HTP HIGH TECH PRODUCTS S.R.L. YOUR CONNECTIVITY PARTNER





H.T.P. s.r.l. is a dynamic company, established in 2003, operating in pneumatics, hydraulics and industrial automation.

H.T.P. s.r.l. produces a wide range of EN175301-803 connectors (former DIN 43650 connectors) for solenoid valve, as well as M8, M12, M23, 7/8" circular connectors,D-SUB connectors, passive distribution boxes and lately also LED industrial lights.

Thanks to its unique flexibility H.T.P. s.r.l. is able to follow constantly the evolution of the market by developing new key products such as energy-saving connectors, structured cabling solutions and splitters allowing the end customer to save time in terms of wiring and to produce the machines more quickly thus being more competitive than its competitors.

H.T.P. s.r.l. builds custom connectors (even personalized with customer's logo) through innovative, unique, effective and cost-saving technical solutions.

Quality, reliability and flexibility make H.T.P. s.r.l. a partner you can trust and rely on. H.T.P. s.r.l. has been for many years the leader in the following markets:

Pneumatics, hydraulics and producers of pressure switches.

Over the years H.T.P. s.r.l. has sold its products in more than 60 countries worldwide in all continents and to first class customers.

The key philosophy of the company is to focus on skills and expertise of custom manufacturing to enhance competitiveness.

Thanks to consolidated expertise, custom connectors are the best solution for non-standard requirements: the design is shared with the client and responds best to specific requests.

The main commercial advantages that H.T.P. s.r.l. can offer are the following: Excellent service and high quality of all products.

Competitive prices in the international market in relation to the entire range of products.

Those who turn to H.T.P. s.r.l. instead of buying cable and products to be assembled receive connectors already assembled with cables, lengths and sizes meeting the required specifications.

To provide all these services H.T.P. s.r.l. employs staff capable of understanding the particular needs of each customer in order to deliver the specific required product in a short time.

Today H.T.P. s.r.l. is the protagonist in the market with head office in Brembate di Sopra (BG), Italy, where it has more than eight million pieces in stock.

H.T.P. s.r.l. also has branches in Rockaway, New Jersey, USA, and in Osaka, Japan, all with related sales offices and warehouses.

All this allows just-in-time deliveries and Kanban guaranteeing the confirmed lead time without risk of lines stop for customers.

H.T.P. productions are located in China and in Italy.

The organization of the production, certified in accordance with ISO 9001, is done according to criteria that enable the achievement of a standard of quality of the highest level.

Quality control of every single finished product is performed twice, in order to guarantee our customers absolute quality.

Since H.T.P. s.r.l. also has a Department for the production of moulds, it has the ability to offer its customers: flexibility, competence and quality also in the development of custom products in a very short time.

The various locations are a team capable to absorb and respond to requests from the world of industrial production more and more in real time.

To have a better idea of our range of products, please visit our web site at <u>www.webhtp.eu</u> and contact our sales department at +39-035-692509 or send an email to: info@webhtp.eu.









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ACCORDING TO EN 60730-1 \ EN 60529 HTP HIGH TECH PRODUCTS S.R.L. DECLARES THAT ITS PRODUCTS ARE IN CONFORMITY WITH SAFETY REQUIREMENTS OF DIRECTIVES 2014/35/EU

(ex 2006/95/CE, 73/23/CEE), EMC 2014/30/EU (ex 93/68, 2004/108/EC) AND VDE 110 TECHNICAL NORMS.



ROHS DECLARATION

HTP HIGH TECH PRODUCTS S.R.L. DECLARES THAT ITS PRODUCTS COMPLY WITH THE EUROPEAN STANDARD 2011/65/UE (ex 2002/95/CE) ROHS (RESTRICTION OF HAZARDOUS SUBSTANCES) AND WITH WEEE REQUIREMENTS.



REACH DECLARATION

HTP HIGH TECH PRODUCTS S.R.L. DECLARES THAT IT HAS FULLY COMPLIED WITH THE REACH NORMATIVE no. 1907/2006.

HTP HIGH TECH PRODUCTS S.R.L. NEITHER PRODUCES NOR IMPORTS CHEMICAL SUBSTANCES (AS CHEMICAL SUBSTANCES THEMSELVES OR AS COMPONENTS OF CHEMICAL SUBSTANCES); HOWEVER AS A USER OF SUBSTANCES, HTP HIGH TECH PRODUCTS S.R.L. HAS PROMOTED THE KNOWLEDGE OF THE REACH NORMATIVE TO ALL ITS SUPPLIERS WITH REGARD TO THE RAW MATERIALS BEING USED IN THE PROCESS AND HAS ENSURED THAT ALL ITS SUPPLIERS HAVE CONFORMED TO THE REACH NORMATIVE AND TO THE PRE-REGISTRATION IF REQUESTED.

ON THE BASIS OF THE INFORMATION RECEIVED FROM OUR SUPPLIERS, WE ALSO INFORM THAT THE PRODUCTS SUPPLIED BY HTP HIGH TECH PRODUCTS S.R.L. DO NOT CONTAIN ANY HIGHLY DANGEROUS SUBSTANCES INCLUDED IN THE CANDIDATE LIST (PUBLISHED BY THE AGENCY AND UPDATED) ABOVE THE LIMITS DEFINED IN THE REACH NORMATIVE.

EAC CERTIFICATE

CERTIFICATE OF COMPLIANCE Certificate n° RU C-CN.HB27.B.00415/20 RU Series: 0243802 INDUSTRIAL ELECTRICAL CONNECTORS, PLUG CONNECTORS SERIES:

G1;G1C;G1F;G4;M1;M2;P1;P2;BG0;BG1;BG4;BG5;BG7;BG8;BG10;BG16;BG33;BG42;BGR;BM1;BP1;BP2;BP3;AM;AG; AP;G1B;BG1;BG1B;BGB;08;12;78;P3;P4;BP3;BP4;15;CG1;CBG1;CG5;CGB;CBGB;CM1;CM2;CM1B;CP1;CP2;CP2C;09; 23;HDC;CG1;CM1;CM2;CP1;CP2;A;B;C;D;CG1E;CM1E,CM2E;A;C

Standard(s) for safety: All above connectors and plugs meet safety requirements TP TC 004/2011 for low voltage equipment.

UL CERTIFICATES



DIN VALVE CONNECTORS FIELD ATTACHABLE & BASES

CERTIFICATE OF COMPLIANCE Certificate n° E333724

COMPONENT-CONNECTORS FOR USE DATA,SIGNAL,CONTROL AND POWER APPLICATIONS USR,CNR Component Connector,Series G1,G2,G1F and header BG. Component Connector,Series Cat. Nos. P1 and P2 and header Series Cat.Nos.BP1 and BP2. USR,CNR Component Connector,Series M1&M2 and header BM.

<u>Standard(s) for safety:</u> Component connectors for use in data,signal,control and power applications,UL 1977 and CAN/CSA C22.2 No.182.3-M1987



M8 CIRCULAR CONNECTORS WITH MOULDED CABLE

CERTIFICATE OF COMPLIANCE Certificate n° E464987

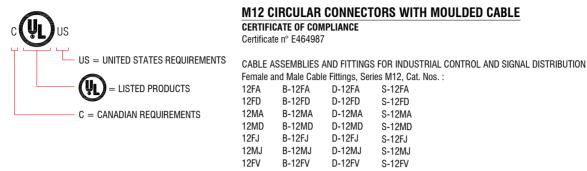
CABLE ASSEMBLIES AND FITTINGS FOR INDUSTRIAL CONTROL AND SIGNAL DISTRIBUTION Female and male cable fittings (one-side molded-on models) Cat. Nos. 08FA,08FD,08MA,08MD,08FJ,08FV,08MJ,08MV. Extension cable Assembly,series M8, Cat. Nos. 08FA,08FD,08MA,08MD,08FJ,08FV,08MJ,08MV.

Standard(s) for safety:

UL 2238 standard for cable assemblies and fittings for industrial control and signal distribution CSA C22.2 No.182.3-M1987 special use attachment plugs, receptacles and connectors.

CONFORMITY CE , ROHS , REACH conformity declaration, EAC and UL Certificates





12MV B-12MV D-12MV S-12MV Extension cable Assembly, Series M12, Cat. Nos. 12 or B-12 or D-12 or S-12. Series M12,panel connectors,Female, Cat. Nos. S-12FP,S-12FR.

Standard(s) for safety:

UL 2238 standard for cable assemblies and fittings for industrial control and signal distribution CSA C22.2 No.182.3-M1987 special use attachment plugs, receptacles and connectors.



VALVE CONNECTORS EN175301-803 (form A), WITHOUT ELECTRONIC, WITH MOULDED CABLE

CERTIFICATE OF COMPLIANCE Certificate n° E464987

CABLE ASSEMBLIES AND FITTINGS FOR INDUSTRIAL CONTROL AND SIGNAL DISTRIBUTION Valve Connectors, Series CG DIN-A EN175301-803 form A, without electronic. Cable Fittings (Female connectors only) Cat. Nos. CG1N02000,CG1N03000 and CG5N02000,CG5N03000. Cat. Nos. CG6N02000,CG6N03000.

Standard(s) for safety:

UL 2238, Cable Assemblies and Fittings for Industrial control and Signal Distribution CSA C22.2 No 182.3, special use attachment plugs, receptacles, and connectors.



CONFORMITY

ATEX Certificates

ATEX CERTIFICATES

The electrical, electronic and mechanical equipment present in not dangerous places are safe if they are CE-labelled, that means that the manufacturers ensure the observance of the requirements established by EU applicable regulations and standards.

Increasingly, electrical and electronic equipment is being used in potentially hazardous environments to automate or control certain production processes.

However, the use of such equipment in close proximity to flammable or combustible gases or materials increases the risk of fire or explosion, as the normal operation of electrical and electronic equipment often involves actions or reactions that are a potential ignition of risk.

These potentially hazardous environments, also known as "Ex areas" (short for explosive areas), are found in a range of industries, including oil and gas refineries and distribution facilities, chemical processing plants, grain and agricultural handling, processing and storage facilities, underground mines, and even hospital operating environments.

In the European Union (EU) the equipment present in potentially dangerous places must comply with the conditions established by EU Directive 2014/34/EU, also known as ATEX Directive (ATEX comes from French "*ATmosphere Explosible*").

The Regulation applies to all electrical and non-electrical products that are used in dangerous places, including equipment, protection systems, components and safety devices.

Like all "New Approach" Directives, the ATEX Legislation lays down the application of standards that assess the technical compliance of products.

The tests of conformity are usually proved by the supplier with a declaration that is based on a technical evaluation.

In addition, manufacturers of electrical equipment of Category 1 and Category 2 have to get a certification issued by an EU Notified Body.

Moreover, the conformity with the essential requirements established by ATEX Directive ensure not to run into additional risks or undermine the security of the working environment.

The need of the producers to satisfy specific safety requirements of their products expand the market opportunities and allow to meet the customers' requests.

CERTIFICAT CERTIFICATE EU-TYPE EXAMINATION CERTIFICATE 11 ٠ ally ex **CERTIFICADO** mit To **TUV IT 20 ATEX 037 X** Junction devices type M12, M8, G1+G2, M1+M2, P1+P2 H.T.P. High Tech Products S.R.L., [4] Via Lesina 45 24030 Brembate di Sopra (BG) - [TALY the system and any acceptable and the documents therein refer ٠ СЕРТИФИКАТ The with the Essential Health and Safety Requirements has been EN IEC 60079-0:2018 - EN IEC 60079-7:2015/A1:2018- EN 60079-31:2014 ٠ 業指指調 II 2G Ex eb IIC T5 Gb II 2D Ex tb IIIC T100* II 2G Ex eb IIC T5 Gb ٠ Ex CERTIFICATE un state: 20td Ser ----٠ ZERTIFIKAT ci 125, Pal. 23 • 20099 Sosto San G

ATEX MARKING

DIN VALVE CONNECTORS FIELD ATTACHABLE

CONNECTOR'S TYPE

M12 CIRCULAR CONNECTORS FIELD ATTACHABLE

M8 CIRCULAR CONNECTORS FIELD ATTACHABLE

C E 0948	II 2G Ex eb IIC T5 Gb ; II 2D Ex tb IIIC T100°C Db IP65/67
C E 0948 Ex	II 2G Ex eb IIC T5 Gb ; II 2D Ex tb IIIC T100°C Db IP65/67
€€ ₀₀₄8	II 2G Ex eb IIC T5 Gb IP55/57

DIN VALVE CONNECTORS FIELD ATTACHABLE:

CE 0948	(Ex)	II	2G 2D	Ex	eb tb	IIC IIIC	T5 T100°C	Gb Db	IP65/67
1	2	3	4	5	6	7	8	9	10

M12 CIRCULAR CONNECTORS FIELD ATTACHABLE:

CE 0948	(Ex) II	2G 2D	Ex	eb tb	IIC IIIC	T5 T100°C	Gb Db	IP65/67
1	2 3	4	5	6	7	8	9	10

M8 CIRCULAR CONNECTORS FIELD ATTACHABLE:

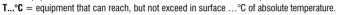
CE 0948	(Ex) II	2G	Ex	eb	IIC	T5	Gb	IP55/57
1	2 3	4	5	6	7	8	9	10

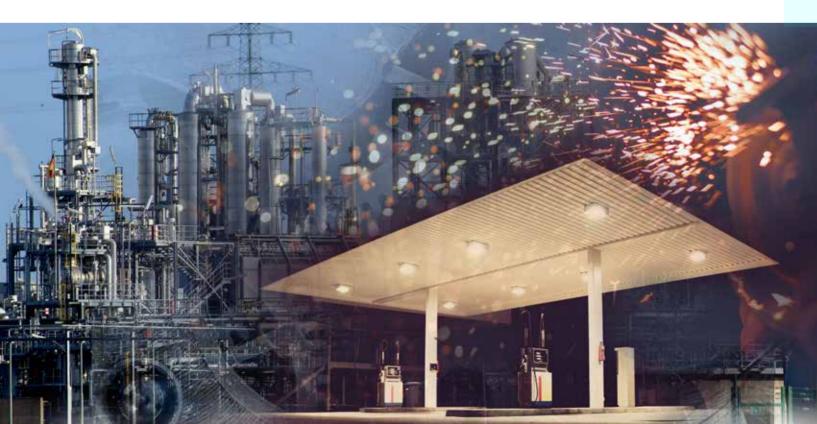
CONFORMITY ATEX Certificates



GUIDE TO THE ATEX WORLD:

CE Marking 0948 : Notified body.	2 ID 2 3 Group Equipinities ATEX II = used in all other environments.	r EX 2G = equipment suitable fo mists (zone 1) may occur; s 2D = equipment suitable fo	r areas where, du uitable to be inst r areas where, du ne 21) and that h	talled in zone 1. uring normal activities, explosive a nas inside a bonded device that w	
	ZONE CATEGO		ZONE 2 CATEGORY 3	Gas Dust Category 0 20 1 Continuousl 1 21 2 Occasionally	
5 Equipment	6 Type of inition protection		7 Explosi	on Group	
Ex= explosion-proof equipment.	 eb = "eb" increased safety equipment. tb = equipment with an enclosure that prev limit surface temperatures; protection level 		plants which of suitable to be IIIC = equipm plants which of	installed in presence of any gas (nent not addressed to undergroun could exposed to risk of explosive	atmospheres - subgroup of C gas subgroups A, B and C). d work in mines or their surface
8 Definition of ten	nperatures generated by equipment		9 [Equipment protection level	10 Protection class
	can reach, but not exceed 100°C of absorbat can reach, but not exceed in surface .			equivalent to 2G category. equivalent to 2D category.	IP protection type.

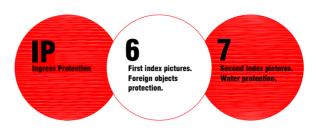






• INTERNATIONAL PROTECTION CLASSES according to EN 60529 (IEC 529 / VDE 047T1)

FIRST INDEX PICTURE PROTECTION CLASS-PROTECTION AGAINST SOLID FOREIGN OBJECTS PENETRATING THE PRODUCT.



Index		Degree of protection	Definition
0		No protection against accidental contact, no protection against solid foreign bodies.	
1		Protection against contact with any large area by hand and against solid foreign bodies with $\emptyset > 50$ mm.	The sample object, a ball of 50mm diameter,must not penetrate the enclousure completely.
2		Protection against contact with the fingers, protection against solid foreign bodies with $\emptyset > 12$ mm.	The sample object, a ball of 12.5mm diameter, must not penetrate the enclousure completely.
3	and the	Protection against tools, wires or similar objects with $\emptyset > 2.5$ mm, protection against solid foreign bodies with $\emptyset > 2.5$ mm.	The sample object, a ball of 2.5mm diameter,must not penetrate the enclousure at all.
4	ALS A	Just like 3 except for the size difference of ø 1mm.	The sample object, a ball of 1mm diameter,must not penetrate the enclousure at all.
5		Full protection against contacts,protection against interior injurious dust deposits.	Ingress of dust is not prevented completely but dust may only enter to such extent that the amount of dust does not interfere with normal operation or compromise safety.
6		Total protection against contact,protection against penetration of dust.	Ingress of dust is not prevented completely.



• INTERNATIONAL PROTECTION CLASSES according to EN 60529 (IEC 529 / VDE 047T1)

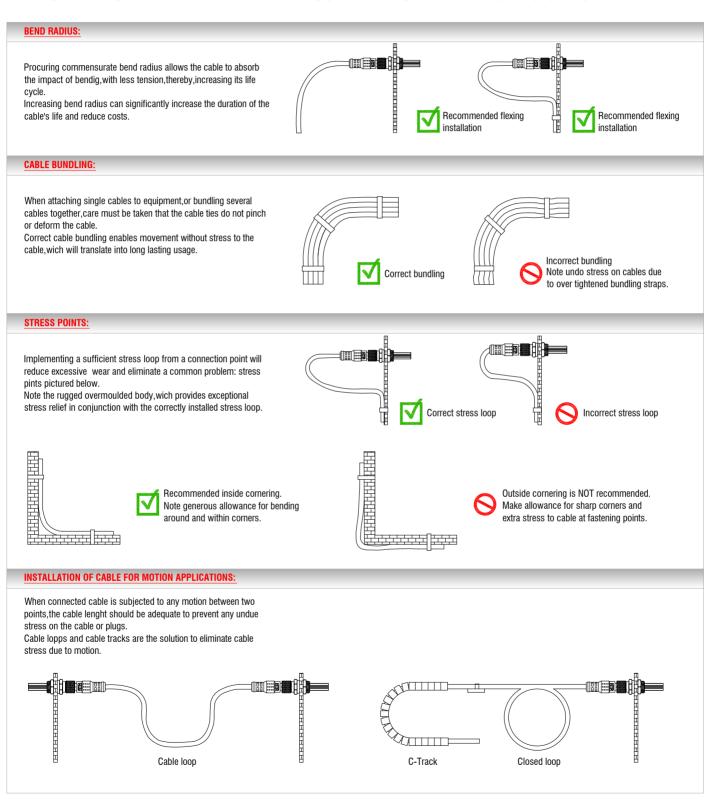
PRO	OND INDEX PICTURE. Tection class-protection ag Fer with adverse effects.	GAINST INGRESS OF	ss Protection 6 First index pictures. Foreign objects protection.	
Index	De	egree of protection	Definition	
0	Ν	lo protection against water.		
1		Protection against vertical water drips.	Vertically falling water drops must not have any adverse effects.	
2		Protection against water drips (up to a 15° angle)	Vertically falling water drops must not have any adverse effects the enclousure is tilted up to 15° on either side of the vertical.	when
3	60° ~	Protection against diagonal water drips (up to a 60° angle)	Water, sprayed at an angle up to 60° on either side of the vertica have any adverse effects.	al,must not
4		Protection against splashed water from all directions.	Water, splashed against the enclosure from any direction,must adverse effects.	not have any
5		Protection against water(out of a nozzle)from all directions.	Water, projected in jets against the enclosure from any direction have any adverse effects.	ı,must not
		Protection against temporary flooding	Water projected in powerful into accient the opeleoure from an	, direction

6	Protection against temporary flooding.	Water, projected in powerful jets against the enclosure from any direction, must not have any adverse effects.
7	Protection against temporary subimmersion in water.	Water may only enter to such extent that the amount of water entering the enclosure does not cause any adverse effects when the enclosure is temporarily immersed in water; standardized pressure and time conditions apply.
8	Protected agasinst permanent subimmertion in water.	Water may not enter to such extent that it causes any adverse effects when the enclousure is continuously immersed in water, under conditions that have been agreed upon by the manufacturer and the user; the conditions must be more difficult than the conditions described in point digit 7.
9 K	Protected agasinst water from high-pressure / steam jet cleaners.	Water, directed against the enclosure from any direction under extremely high pressure, must not have any adverse effects.



CABLE INSTALLATION GUIDE

Avoiding common cabling pitfalls! Proper installation and maintenance of cabling systems will ensure high operational dependability and longevity of the system.





Field attachable connectors - General features and codification scheme

• GENERAL FEATURES:

Cable Gland : PG7: Ø CABLE 4-6mm PG9 : Ø CABLE 6-8mm. PG11 : Ø CABLE 6-10mm. 1/2" NPTF : Ø CABLE 6-10mm. SK(G1) : Ø CABLE 4-8.6mm. SK(M1-M2) : Ø CABLE 4-8.6mm. SK(P1-P2) : Ø CABLE 3.5-5.5mm.

Conductor cross section : 0.50(20AWG)...1.50mm²(16AWG).

Fixing system : Central fixing screw.

Max. screw torque IEC60947-1

(Central fixing screw) : G1-G4-M1-M2-P2 series: Max. 0.5 N*m. P1 series: Max. 0.4 N*m. **Type of terminations :** Screw(with protection plate).

Contact material and treatment :

Brass + Silver plated. **Max. contact screw torque IEC60947-1 :** G1-G4-M1-M2 series: Max. 0.5 N * m.

P1-P2 series: Max. 0.4 N * m. Housing material : PA66 UL94-V2 standard. PA66 UL94 -V0 ATEX approved. PA66 UL94 -V0 UL approved.

Internal core material : PA66 UL94-V2 standard. PA66 UL94-V0 ATEX approved. PA66 UL94-V0 UL approved. Flammability resistance : UL94-V2 - Standard. UL94 V0 ATEX approved. UL94-V0 - UL approved.

Protection class : IP 65 / 66 / 67 (assembled).

Operating temperature :

-40°C +90°C Standard (with NBR gasket). -40°C + 125°C Standard (Black with Silicone gasket). -20°C + 85°C Atex approved. -40°C + 65°C (Transparent or Black) ULapproved(-UL). -40°C + 90°C (Black) ULapproved (-UL1). -40°C + 120°C (Black) ULapproved (-UL4).

Nominal current :

G1-G4-M1-M2 series: 10A. P1-P2 series: 6A.

Max contact current :

G1-G4-M1-M2 series: 16A P1-P2 series: 10A. G1-G4-M1-M2 ATEX series: 10A* P1-P2 series: 6A*. *Max current permanent ammisible for one contacts pair.

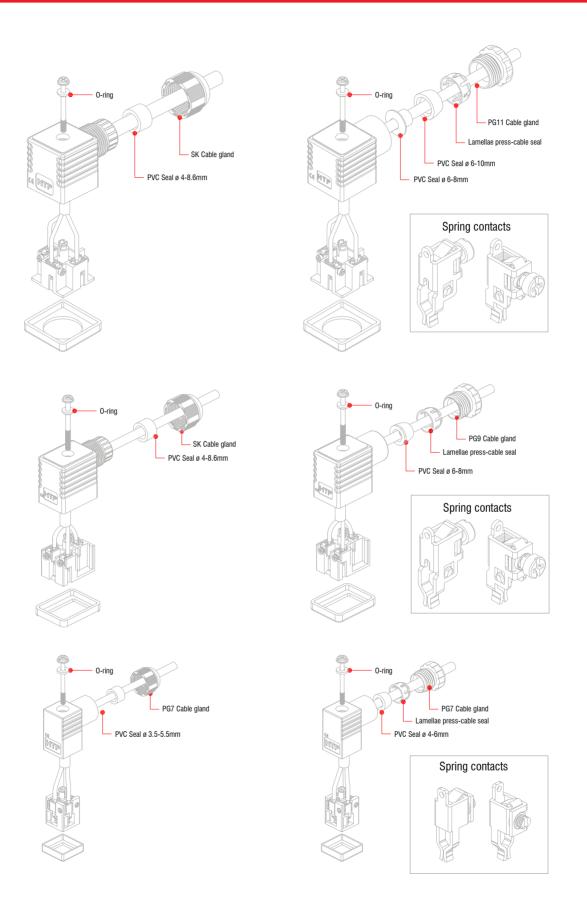
		ר ר								-		1 [
	#	0	G1	N		U	2	2	00)	0		-	##
PACKAGING NO DIGIT : STANDARD PACKAGING. I : SINGLE BAG.														
SINGLE DIG: SERIES G1 : EN175301-803 form A (18mm), G1 : EN175301-803 form A (18mm), G1 : EN175301-803 form A (18mm), contacts. G4 : Form A (18mm) Housing height M1 : INDUSTRIAL form B (11mm). M2 : EN175301-803 form B (10mm)) complet) suitable : ~46mm	for FAS												
P1 : EN175301-803 form C (8mm). P2 : MICRO INDUSTRIAL form C (9.4														
COLOUR B : BLUE. G : GREY. N : BLACK (STANDARD). T : TRANSPARENT (STANDARD).														
CABLE GLAND														
F: 1/2" NPTF (form A and form B/INE P: M16X1.5 (form B). S: PG9 (form B/INDUSTRIAL). U: PG9/11 UNIFIED (form A). Z: PG7 (form C/MICRO INDUSTRIAL).												
POLES No. 2 : 2POLES + EARTH. 3 : 3POLES + EARTH.														
SEE CIRCUITS FEATURES PAGE. VOLTAGE 0 : 250V / 300V. 1 : 24V. 2 : 115V. 3 : 230V. 4 : 12V. 5 : 48 V.														
SOME VARIABLES														
ATEX : ATEX CONFORM. H : EXAGONAL PRESS-CABLE. IG : INTEGRATED GASKET. P : FLAT GASKET. SK : CABLE GLAND SK STYLE.	4D : SS : UL : UL1 UL4	BRIDG Stain UL AP : UL A : UL A	ge reg Iless Prov Prov Pro Pro	CTIFIEF STEEL ED -40 VED -4	8 WIT SCR 9°C + 10°C - 10°C -	COMPO H 4 DIC EW. 65°C (I +90°C +125°C	IDES. Black ((Black	or Tra	ector)		onnecto	ır).		

Y : WITHOUT H.T.P.LOGO.

16

Field attachable connectors - General features and codification scheme

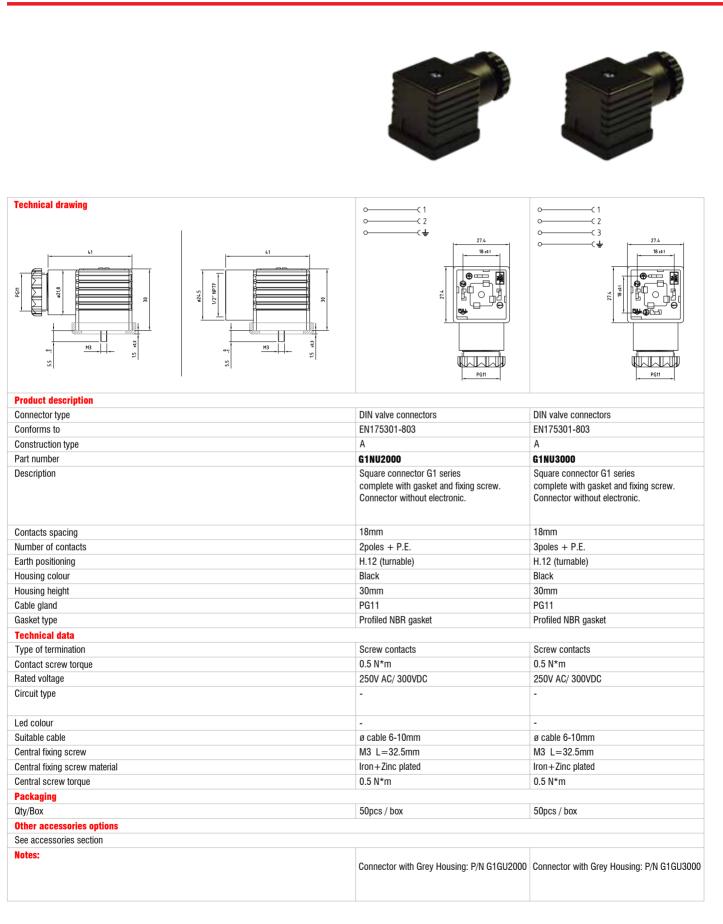




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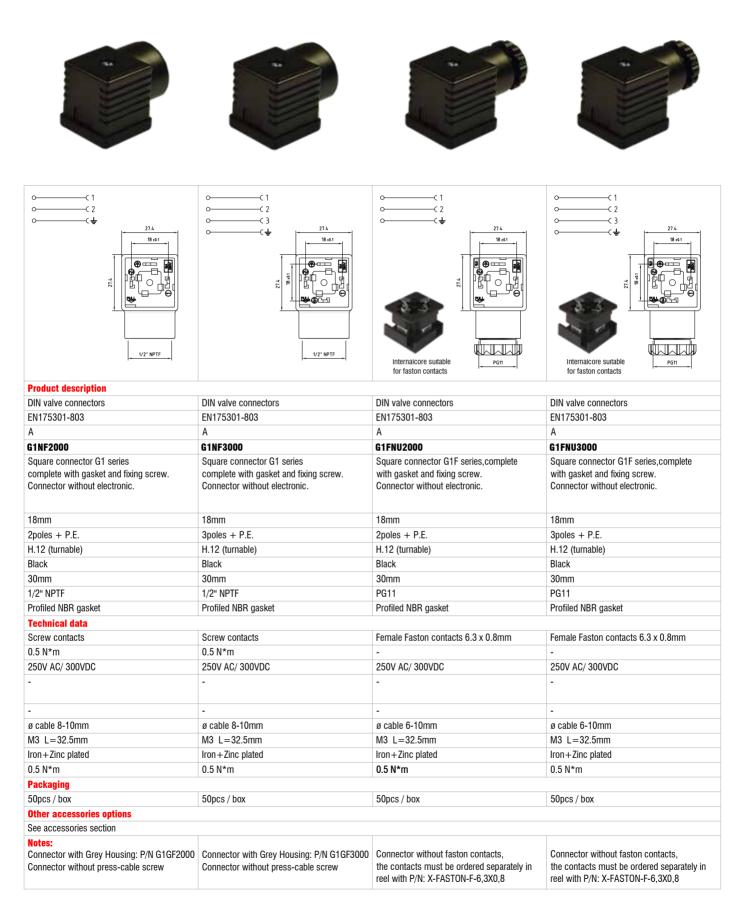


Field attachable connectors - Form A EN175301-803(DIN43650)



Field attachable	connectors	- Form A
EN175301-803(DIN43650)	

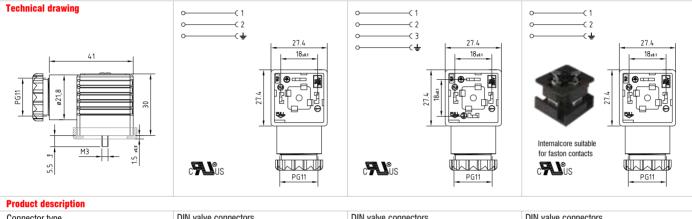






Field attachable connectors - Form A EN175301-803(DIN43650)



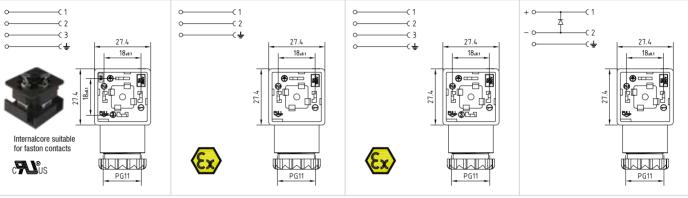


Product description			
Connector type	DIN valve connectors	DIN valve connectors	DIN valve connectors
Conforms to	EN175301-803	EN175301-803	EN175301-803
Construction type	А	A	A
Part number	G1NU2000-UL	G1NU3000-UL	G1FNU2000-UL
Description	Square connector G1 series,ULapproved, complete with gasket and fixing screw. Connector without electronic.	Square connector G1 series,ULapproved, complete with gasket and fixing screw. Connector without electronic.	Square connector G1F series,ULapproved, complete with gasket and fixing screw. Connector without electronic.
Contacts spacing	18mm	18mm	18mm
Number of contacts	2poles + P.E.	3poles + P.E.	2poles + P.E.
Earth positioning	H.12 (turnable)	H.12 (turnable)	H.12 (turnable)
Housing colour	Black	Black	Black
Housing height	30mm	30mm	30mm
Cable gland	PG9/PG11 unified	PG9/PG11 unified	PG9/PG11 unified
Gasket type	Profiled NBR gasket	Profiled NBR gasket	Profiled NBR gasket
Technical data		· ·	
Type of termination	Screw contacts	Screw contacts	Female Faston contacts 6.3 x 0.8mm
Contact screw torque	0.5 N*m	0.5 N*m	-
Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC	250V AC/ 300VDC
Circuit type	-	-	-
Led colour	-	-	-
Suitable cable	ø cable 6-10mm	ø cable 6-10mm	ø cable 6-10mm
Central fixing screw	M3 L=32.5mm	M3 L=32.5mm	M3 L=32.5mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m
Packaging			
Qty/Box	50pcs / box	50pcs / box	50pcs / box
Other accessories options			
See accessories section			
Notes:	Connector available with different circuits	Connector available with different circuits	Connector without faston contacts, the contacts must be ordered separately in reel with P/N: X-FASTON-F-6,3X0,8

Field attachable connectors - Form A EN175301-803(DIN43650)





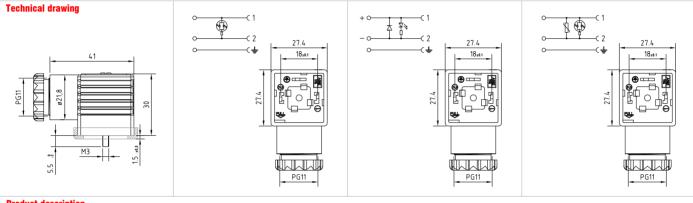


Product description			
DIN valve connectors	DIN valve connectors	DIN valve connectors	DIN valve connectors
EN175301-803	EN175301-803	EN175301-803	EN175301-803
A	A	A	A
G1FNU3000-UL	G1NU2000-ATEX	G1NU3000-ATEX	G1NU2D03
Square connector G1F series, ULapproved, complete with gasket and fixing screw. Connector without electronic.	Square connector G1 series,ATEX conform, complete with gasket and fixing screw. Connector without electronic.	Square connector G1 series,ATEX conform, complete with gasket and fixing screw. Connector without electronic.	Square connector G1 series complete with gasket and fixing screw. Connector with electronic.
18mm	18mm	18mm	18mm
3poles + P.E.	2poles + P.E.	3poles + P.E.	2poles + P.E.
H.12 (turnable)	H.12 (turnable)	H.12 (turnable)	H.12 (turnable)
Black	Black	Black	Black
30mm	30mm	30mm	30mm
PG9/PG11 unified	PG9/PG11 unified	PG9/PG11 unified	PG9/PG11 unified
Profiled NBR gasket	Flat Silicone gasket	Flat Silicone gasket	Profiled NBR gasket
Technical data			
Female Faston contacts 6.3 x 0.8mm	Screw contacts	Screw contacts	Screw contacts
-	0.5 N*m	0.5 N*m	0.5 N*m
250V AC/ 300VDC	230V AC/ 300VDC	230V AC/ 300VDC	1-230V DC
-	-	-	Diode(1A)
-	-	-	-
ø cable 6-10mm	ø cable 6-10mm	ø cable 6-10mm	ø cable 6-10mm
M3 L=32.5mm	M3 L=32.5mm	M3 L=32.5mm	M3 L=32.5mm
Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
0.5 N*m	0.5 N*m	0.5 N*m	0.5 N*m
Packaging			
50pcs / box	Singly packed in plastic bag	Singly packed in plastic bag	50pcs / box
Other accessories options			
See accessories section			
Notes: Connector without faston contacts, the contacts must be ordered separately in reel with P/N: X-FASTON-F-6,3X0,8			



Field attachable connectors - Form A EN175301-803(DIN43650)



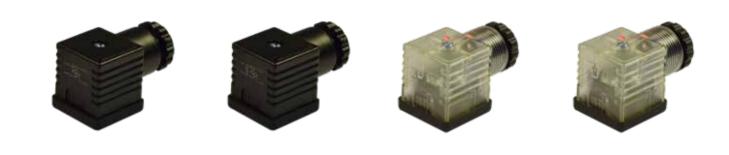


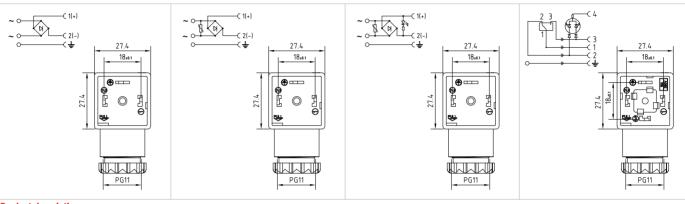
Product description											
Connector type	DIN valve cor	nnectors		DIN valve co	DIN valve connectors			DIN valve connectors			
Conforms to	EN175301-80	03		EN175301-803 EN175301-803)3			
Construction type	A	A			A			Α			
Part number	G1TU2L01	G1TU2L02	G1TU2L03	G1TU2DL1	G1TU2DL2	G1TU2DL3	G1TU2VL1	G1TU2VL2	G1TU2VL3		
Description		ector G1 series h gasket and fixi th electronic.	ng screw.		ector G1 series h gasket and fixi ith electronic.	ng screw.	Square connector G1 series complete with gasket and fixing screw. Connector with electronic.				
Contacts spacing	18mm			18mm			18mm				
Number of contacts	2poles + P.E			2poles + P.E			2poles + P.E				
Earth positioning	H.12 (turnabl	e)		H.12 (turnab	e)		H.12 (turnable	e)			
Housing colour	Transparent			Transparent			Transparent				
Housing height	30mm	30mm			30mm			30mm			
Cable gland	PG9/PG11 ur	nified		PG9/PG11 u	PG9/PG11 unified			PG9/PG11 unified			
Gasket type	Profiled NBR	gasket		Profiled NBR gasket			Profiled NBR gasket				
Technical data	'										
Type of termination	Screw contac	sts		Screw contacts			Screw contacts				
Contact screw torque	0.5 N*m			0.5 N*m			0.5 N*m				
Rated voltage	24V AC/DC	115V AC/DC	230V AC/DC	24V DC	115V DC	230V DC	24V AC/DC	115V AC/DC	230V AC/DC		
Circuit type	Bipolar Led			Led + Diode	(1A)		Bipolar Led +	- Varistor			
Led colour	Red			Red			Red				
Suitable cable	ø cable 6-10r	mm		ø cable 6-10	mm		ø cable 6-10mm				
Central fixing screw	M3 L=32.5r	nm		M3 L=32.5	nm		M3 L=32.5r	nm			
Central fixing screw material	Iron+Zinc pla	Iron+Zinc plated			ated		Iron+Zinc plated				
Central screw torque	0.5 N*m			0.5 N*m			0.5 N*m				
Packaging											
Qty/Box	50pcs / box			50pcs / box			50pcs / box				
Other accessories options											
See accessories section											
Notes:											

Connector available with different led colour

Field attachable connectors - Form A EN175301-803(DIN43650)





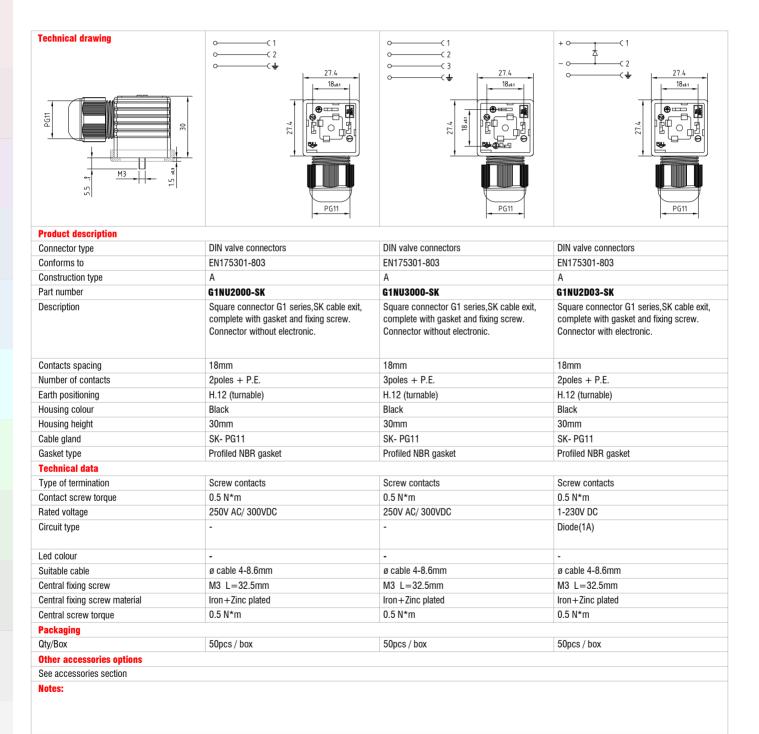


Product description										
DIN valve connectors	DIN valve con	nectors		DIN valve cor	nnectors		DIN valve con	nectors		
EN175301-803	EN175301-80	13		EN175301-8	03		EN175301-803			
Α	Α			A			A			
G1NU2R03	G1NU2RV1	G1NU2RV2	G1NU2RV3	G1TU2RL1	G1TU2RL2	G1TU2RL3	G1TU3Q01	G1TU3Q02	G1TU3Q03	
Square connector G1 series complete with gasket and fixing screw. Connector with electronic.	Square conne complete with Connector wit	ı gasket and fixi	ng screw.		ector G1 series h gasket and fixin th electronic.	ng screw.	Square connector G1 series complete with gasket and fixing screw. Connector with electronic.			
18mm	18mm			18mm			18mm			
2poles + P.E.	2poles + P.E			2poles + P.E			3poles + P.E			
H.12 (turnable)	H.12 (turnable	e)		H.12 (turnabl	e)		H.12 (turnable	e)		
Black	Black			Transparent			Transparent			
30mm	30mm			30mm			30mm			
PG9/PG11 unified	PG9/PG11 un	ified		PG9/PG11 unified PG9/PG11 unif				G9/PG11 unified		
Profiled NBR gasket	Profiled NBR	gasket		Profiled NBR	gasket Profiled NBR gasket					
Technical data										
Screw contacts	Screw contac	ts		Screw contac	ots		Screw contacts			
0.5 N*m	0.5 N*m			0.5 N*m			0.5 N*m			
1-230V AC	24V AC	115V AC	230V AC	24V AC	115V AC	230V AC	24V DC	115V DC	230V DC	
Full-Wave Bidge Rectifier (1A)	Full-Wave Brid	lge Rectifier +	Varistor	Full-Wave Bri	dge Rectifier +	Varistor + Led	Bicolour Led	+ no.2 Diodes	(1A)	
-	-			Red			Red (pin 2) ; Green (pin3)			
ø cable 6-10mm	ø cable 6-10r	nm		ø cable 6-10mm			ø cable 6-10mm			
M3 L=32.5mm	M3 L=32.5n	าท		M3 L=32.5r	nm		M3 L=32.5n	ım		
Iron+Zinc plated	Iron+Zinc pla	ted		Iron+Zinc pla	ated		Iron+Zinc pla	ted		
0.5 N*m	0.5 N*m			0.5 N*m 0.5 N*m						
Packaging										
50pcs / box	50pcs / box			50pcs / box			50pcs / box			
Other accessories options										
See accessories section										
Notes:				Connector available with different led colour Connector available with different led colour Q8 circuit (Green pin Q1 circuit (Yellow pin		en pin 2; Red p	in 3)			



Field attachable connectors - Form A EN175301-803(DIN43650)

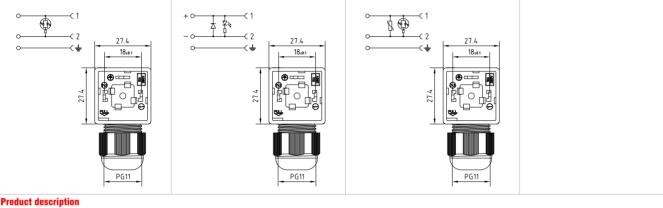




Field attachable connectors - Form A
EN175301-803(DIN43650)







Product desc	ription									
DIN valve con	nectors		DIN valve connectors		DIN valve connectors					
EN175301-803		EN175301-803		EN175301-803						
A		A			A					
G1TU2L01-SK	G1TU2L01-SK G1TU2L02-SK G1TU2L03-SK			G1TU2DL2-SK	G1TU2DL3-SK	G1TU2VL1-SK	G1TU2VL2-SK	G1TU2VL3-SK		
Square connector G1 series,SK cable exit, complete with gasket and fixing screw. Connector with electronic.		complete with gasket and fixing screw.		Square connector G1 series,SK cable exit, complete with gasket and fixing screw. Connector with electronic.						
18mm			18mm			18mm				
2poles + P.E			2poles + P.E			2poles + P.E.				
H.12 (turnable	e)		H.12 (turnable	e)		H.12 (turnable)			
Transparent			Transparent			Transparent	,			
30mm			30mm		30mm					
SK-PG11			SK- PG11		SK- PG11					
Profiled NBR	gasket		Profiled NBR gasket		Profiled NBR gasket					
Technical da	ita							!		
Screw contac	ts		Screw contacts		Screw contacts					
0.5 N*m			0.5 N*m		0.5 N*m					
24V AC/DC	115V AC/DC	230V AC/DC	24V DC	115V DC	230V DC	24V AC/DC	115V AC/DC	230V AC/DC		
Bipolar Led			Led + Diode(1A)		Bipolar Led + Varistor					
Red			Red		Red					
ø cable 4-8.6	mm		ø cable 4-8.6mm		ø cable 4-8.6mm					
M3 L=32.5n	ım		M3 L=32.5mm		M3 L=32.5mm					
Iron+Zinc pla	ted		Iron+Zinc plated		Iron+Zinc plated					
0.5 N*m	0.5 N*m		0.5 N*m		0.5 N*m					
Packaging										
50pcs / box			50pcs / box			50pcs / box				
Other access	ories options									
See accessor	ies section									
Notes:	ailable with differ	ont lad colour								

Connector available with different led colour

Field attachable connectors - Form A EN175301-803(DIN43650)



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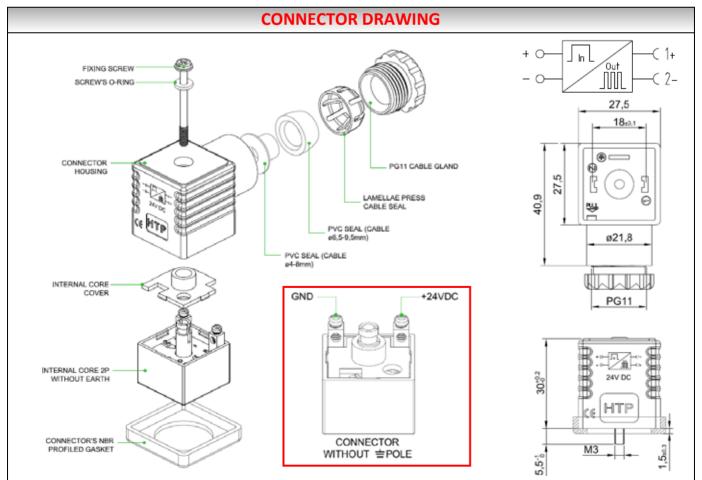
HIGH TECH PRODUCTS S.R.L.



GENERAL SPECIFICATIONS

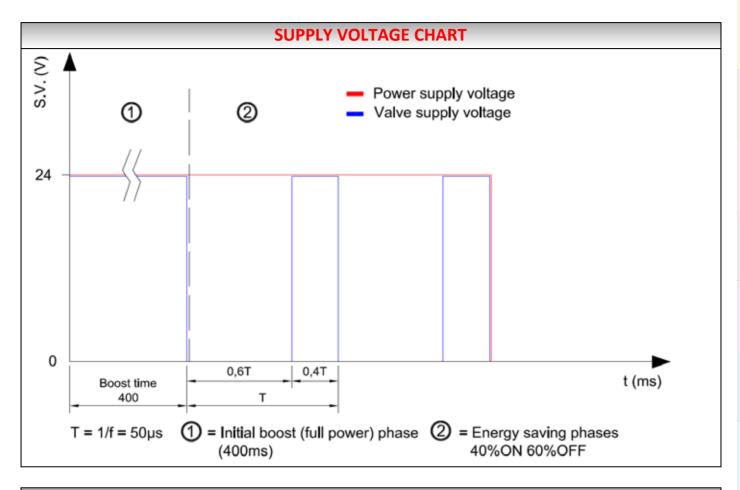
THE FOLLOWING FEATURES REFER TO THE PARTS CURRENTLY IN PRODUCTION OR TO THE PARTS WHOSE PRODUCTION HAS ALREADY BEEN FINALIZED. USED OR MAXIMUM POWER OR PERCENTAGE OF REDUCTION AS WELL AS "BOOST" TIMINGS OR OTHER FEATURES

ELECTRICAL FEATURES					
OPERATING VOLTAGE	24 V DC				
ENERGY SAVING ON VALVE	60% OF NOMINAL POWER				
MAX POWER TO VALVE	48 W				
POWER PARTIALIZED PHASE	40% MAX POWER				
MAX CURRENT	2 A				
BOOST TIME	400 ms				
PWM WORKING FREQUENCY	20 KHz				
CONNECTOR TEMPERATURE RANGE	-40 °C +90 °C				





Field attachable connectors - Form A EN175301-803(DIN43650)



ELECTRICAL PROTECTION

- NO OVERVOLTAGE GENERATION ON SUPPLY LINE
- PROTECTED AGAINST INCORRECT POLARITY CONNECTION

ADVANTAGES OF ENERGY SAVING

- REDUCTION BY 60% OF ENERGY CONSUMPTION
- REDUCTION BY 60% OF VALVE'S WORKING TIME
- EXTENTION OF VALVE'S LIFE

EXAMPLE OF ENERGY SAVING USING

- AMBIENT TEMPERATURE = 20 °C
- TEMPERATURE INSIDE VALVE AFTER 30 SECONDS WITH STANDARD CONNECTOR BOARD = 132 °C
- TEMPERATURE INSIDE VALVE AFTER 60 SECONDS WITH ENERGY SAVING CONNECTOR = 75 °C

EMC TEST

• THE PRODUCT SUCCEED THE EMC TESTS (REFERS TO DIRECTIVE 2014/30/EU)



Field attachable connectors - Form A EN175301-803(DIN43650)



Technical drawing	o(1	o(1
Product description	·	
Connector type	DIN valve connectors	DIN valve connectors
Conforms to	EN175301-803	EN175301-803
Construction type	Α	A
Part number	G1CNU2000	G1CNU3000
Description	Square connector G1C series complete with gasket and fixing screw. Connector without electronic.	Square connector G1C series complete with gasket and fixing screw. Connector without electronic.
Contacts spacing	18mm	18mm
Number of contacts	2poles + P.E.	3poles + P.E.
Earth positioning	H.12 (turnable)	H.12 (turnable)
Housing colour	Black	Black
Housing height	32.5mm	32.5mm
Cable gland	PG9/PG11 unified	PG9/PG11 unified
Gasket type	Profiled NBR gasket	Profiled NBR gasket
Technical data		
Type of termination	Screw contacts	Screw contacts
Contact screw torque	0.5 N*m	0.5 N*m
Rated voltage	250 AC/ 300V DC	250 AC/ 300V DC
Circuit type	-	-
Led colour	-	-
Suitable cable	ø cable 6-10mm	ø cable 6-10mm
Central fixing screw	M3 L=35.4mm	M3 L=35.4mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m
Packaging		
Qty/Box	50pcs in box	50pcs in box
Other accessories options		
See accessories section		
Notes:	Connector available with different circuits.	Connector available with different circuits.

Field attachable connectors - Form A EN175301-803(DIN43650)







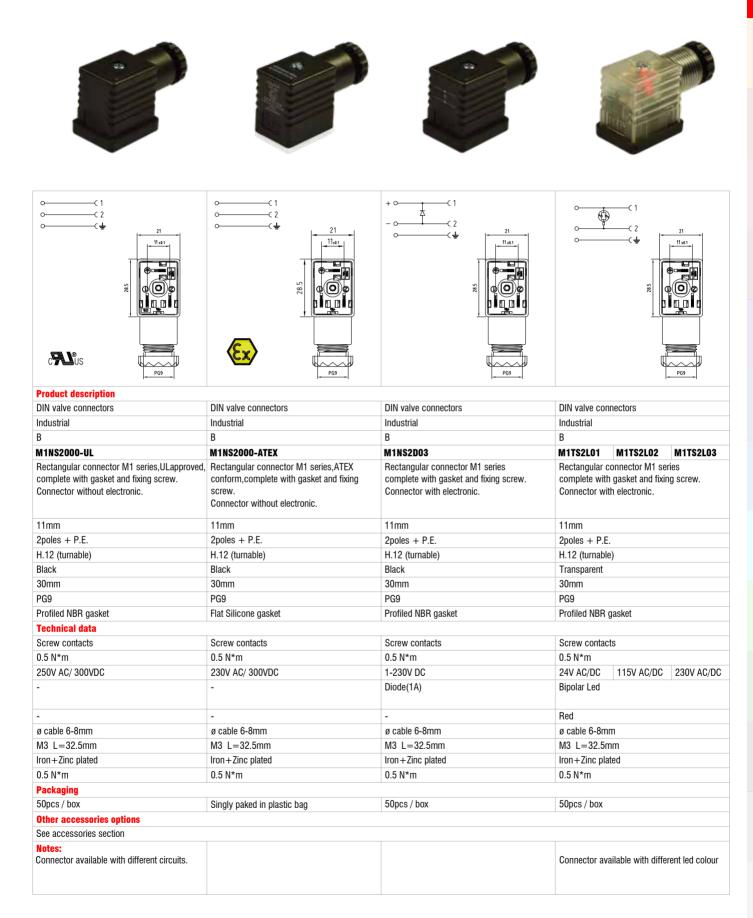


Technical drawing			
Product description			
Connector type	DIN valve connectors	DIN valve connectors	DIN valve connectors

Conforms to	EN175301-803		EN175301-803			EN175301-803			
Construction type	Α			A			A		
Part number	G4NU2RV1-3A G4NU2	RV2-3A G4N	U2RV3-3A	G4TU2RL1-3A	G4TU2RL2-3A	G4TU2RL3-3A	G4TU2FL1-3A	G4TU2FL2-3A	G4TU2FL3-3A
Description	complete with gasket and fixing screw.		Square connector G4 series complete with gasket and fixing screw. Connector with electronic (3A components).			Square connector G4 series complete with gasket and fixing screw. Connector with electronic (3A components).			
Contacts spacing	18mm			18mm			18mm		
Number of contacts	2poles + 2 P.E.			2poles + 2 P.	Ξ.		2poles + 2 P.	E.	
Earth positioning	H.6-12			H.6-12			H.6-12		
Housing colour	Black / Black Cover			Black / Transp	arent Cover		Black / Transp	arent Cover	
Housing height	46.4mm			46.4mm			46.4mm		
Cable gland	PG9/PG11 unified			PG9/PG11 unit	ied		PG9/PG11 unified		
Gasket type	Flat NBR gasket			Flat NBR gasket			Flat NBR gasket		
Technical data									
Type of termination	Screw contacts			Screw contacts			Screw contacts		
Contact screw torque	0.5 N*m			0.5 N*m			0.5 N*m		
Rated voltage	24V AC 115V	C 230	/ AC	24V AC	115V AC	230V AC	24V AC	115V AC	230V AC
Circuit type	Full-Wave Bridge Rect	fier (3A)+ Va	ristor (3A)	Full-Wave Bridge Rectifier(3A) + Varistor(3A) + Led			RC circuit+ Le	ed	
Led colour	-			Red			Red		
Suitable cable	ø cable 6-10mm			ø cable 6-10mm			ø cable 6-10mm		
Central fixing screw	M3 L=42mm			M3 L=42mm			M3 L=42mm		
Central fixing screw material	Iron+Zinc plated			Iron+Zinc plated			Iron+Zinc plated		
Central screw torque	0.5 N*m			0.5 N*m			0.5 N*m		
Packaging									
Qty/Box	40pcs in box		40pcs in box			40pcs in box			
Other accessories options									
See accessories section									
Notes:			Connector available with different led colour		Connector available with different led colour				

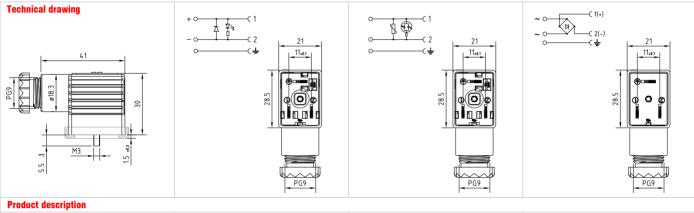


Technical drawing		
Product description		
Connector type	DIN valve connectors	DIN valve connectors
Conforms to	Industrial	Industrial
Construction type	В	B
Part number Description	M1NS2000 Rectangular connector M1 series complete with gasket and fixing screw. Connector without electronic.	M1NF2000 Rectangular connector M1 series complete with gasket and fixing screw. Connector without electronic.
Contacts spacing	11mm	11mm
Number of contacts	2poles + P.E.	2poles + P.E.
Earth positioning	H.12 (turnable)	H.12 (turnable)
Housing colour	Black	Black
Housing cool	30mm	30mm
Cable gland	PG9	1/2" NPTF
Gasket type	Profiled NBR gasket	Profiled NBR gasket
Technical data	-	-
Type of termination	Screw contacts	Screw contacts
Contact screw torque	0.5 N*m	0.5 N*m
Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC
Circuit type	-	-
Led colour	-	-
Suitable cable	ø cable 6-8mm	ø cable 8-10mm
Central fixing screw	M3 L=32.5mm	M3 L=32.5mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m
Packaging		
Qty/Box	50pcs / box	50pcs / box
Other accessories options		
See accessories section		
Notes:	Connector with Grey Housing: P/N M1GS2000	Connector with Grey Housing: P/N M1GF2000 Connector without press-cable screw









Product description								
Connector type	DIN valve conr	nectors		DIN valve connectors			DIN valve connectors	
Conforms to	Industrial			Industrial			Industrial	
Construction type	В		В				В	
Part number	M1TS2DL1	M1TS2DL2	M1TS2DL3	M1TS2VL1	M1TS2VL2	M1TS2VL3	M1NS2R03	
Description	5		complete with	Rectangular connector M1 series complete with gasket and fixing screw. Connector with electronic.		Rectangular connector M1 series complete with gasket and fixing screw. Connector with electronic.		
Contacts spacing	11mm			11mm			11mm	
Number of contacts	2poles + P.E.			2poles + P.E			2poles + P.E.	
Earth positioning	H.12 (turnable)		H.12 (turnable	e)		H.12 (turnable)	
Housing colour	Transparent			Transparent			Black	
Housing height	30mm			30mm			30mm	
Cable gland	PG9			PG9			PG9	
Gasket type	Profiled NBR g	lasket		Profiled NBR	gasket		Profiled NBR gasket	
Technical data								
Type of termination	Screw contact	S		Screw contacts			Screw contacts	
Contact screw torque	0.5 N*m			0.5 N*m			0.5 N*m	
Rated voltage	24V DC	115V DC	230V DC	24V AC/DC	115V AC/DC	230V AC/DC	1-230V AC	
Circuit type	Led + Diode(1	1A)		Bipolar Led +	Varistor		Full-Wave Bidge Rectifier (1A)	
Led colour	Red			Red			-	
Suitable cable	ø cable 6-8mm	n		ø cable 6-8mm			ø cable 6-8mm	
Central fixing screw	M3 L=32.5m	m		M3 L=32.5mm			M3 L=32.5mm	
Central fixing screw material	Iron+Zinc plat	ed		Iron+Zinc plated			Iron+Zinc plated	
Central screw torque	0.5 N*m			0.5 N*m			0.5 N*m	
Packaging								
Qty/Box	50pcs / box			50pcs / box			50pcs / box	
Other accessories options								
See accessories section								
Notes:	Connector ava	ilable with diffe	rent led colour	Connector available with different led colour		rent led colour		







Product description		
DIN valve connectors	DIN valve connectors	
Industrial	Industrial	
В	В	
M1NS2RV1 M1NS2RV2 M1NS2RV3	M1TS2RL1 M1TS2RL2 M1TS2RL3	
Rectangular connector M1 series complete with gasket and fixing screw. Connector with electronic.	Rectangular connector M1 series complete with gasket and fixing screw. Connector with electronic.	
11mm	11mm	
2poles + P.E.	2poles + P.E.	
H.12 (turnable)	H.12 (turnable)	
Black	Transparent	
30mm	30mm	
PG9	PG9	
Profiled NBR gasket	Profiled NBR gasket	
Technical data	Tomou Horr guonor	
Screw contacts	Screw contacts	
0.5 N*m	0.5 N*m	
24V AC 115V AC 230V AC	24V AC 115V AC 230V AC	
Full-Wave Bridge Rectifier + Varistor	Full-Wave Bridge Rectifier + Varistor + Led	
-	Red	
ø cable 6-8mm	ø cable 6-8mm	
M3 L=32.5mm	M3 L=32.5mm	
Iron+Zinc plated	Iron+Zinc plated	
0.5 N*m	0.5 N*m	
Packaging		
50pcs / box	50pcs / box	
Other accessories options		
See accessories section		
Notes:	Connector available with different led colour	



Technical drawing			
Product description			
Connector type	DIN valve connectors	DIN valve connectors	DIN valve connectors
Conforms to	Industrial	Industrial	Industrial
Construction type	В	В	В
Part number	M1NS2000-SK	M1NS2D03-SK	M1TS2L01-SK M1TS2L02-SK M1TS2L03-SK
Description	Rectangular connector M1 series complete with gasket and fixing screw. Connector without electronic.	Rectangular connector M1 series complete with gasket and fixing screw. Connector with electronic.	Rectangular connector M1 series complete with gasket and fixing screw. Connector with electronic.
Contacts spacing	11mm	11mm	11mm
Number of contacts	2poles + P.E.	2poles + P.E.	2poles + P.E.
Earth positioning	H.12 (turnable)	H.12 (turnable)	H.12 (turnable)
Housing colour	Black	Black	Transparent
Housing height	30mm	30mm	30mm
Cable gland	SK - PG9	SK - PG9	SK - PG9
Gasket type	Profiled NBR gasket	Profiled NBR gasket	Profiled NBR gasket
Technical data			
Type of termination	Screw contacts	Screw contacts	Screw contacts
Contact screw torque	0.5 N*m	0.5 N*m	0.5 N*m
Rated voltage	250V AC/ 300VDC	1-230V DC	24V AC/DC 115V AC/DC 230V AC/DC
Circuit type Led colour	-	Diode(1A)	Bipolar Led Red
Suitable cable	- ø cable 4-8.6mm	- ø cable 4-8.6mm	ø cable 4-8.6mm
Central fixing screw	M3 L=32.5mm	M3 L=32.5mm	M3 L=32.5mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m
Packaging		5.5 H HI	
Qty/Box	50pcs / box	50pcs / box	50pcs / box
Other accessories options			
See accessories section			
Notes:			
	Connector available with different circuits.		Connector available with different led colour



Technical drawing				
Product description				
Connector type	DIN valve connectors	DIN valve connectors	DIN valve connectors	
Conforms to	Industrial	Industrial	Industrial	
Construction type			B	
Part number		M1TS2VL1-SK M1TS2VL2-SK M1TS2VL3-SK	M1NS2R03-SK	
Description	Rectangular connector M1 series complete with gasket and fixing screw. Connector with electronic.	Rectangular connector M1 series complete with gasket and fixing screw. Connector with electronic.	Rectangular connector M1 series complete with gasket and fixing screw. Connector with electronic.	
Contacts spacing	11mm	11mm	11mm	
Number of contacts	2poles + P.E.	2poles + P.E.	2poles + P.E.	
Earth positioning	H.12 (turnable)	H.12 (turnable)	H.12 (turnable)	
Housing colour	Transparent	Transparent	Black	
Housing height	30mm	30mm	30mm	
Cable gland	SK - PG9	SK - PG9	PG9	
Gasket type	Profiled NBR gasket	Profiled NBR gasket	Profiled NBR gasket	
Technical data		-	-	
Type of termination	Screw contacts	Screw contacts	Screw contacts	
	0.5 N*m	0.5 N*m	0.5 N*m	
Rated voltage	24V DC 115V DC 230V DC	24V AC/DC 115V AC/DC 230V AC/DC	1-230V AC	
Circuit type	Led + Diode(1A)	Bipolar Led + Varistor	Full-Wave Bidge Rectifier (1A)	
Led colour	Red	Red	-	
Suitable cable	ø cable 4-8.6mm	ø cable 4-8.6mm	ø cable 4-8.6mm	
Central fixing screw	M3 L=32.5mm	M3 L=32.5mm	M3 L=32.5mm	
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated	
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m	
Packaging				
Qty/Box	50pcs / box	50pcs / box	50pcs / box	
Other accessories options				
See accessories section				
Notes:	Connector available with different led colour	Connector available with different led colour		







Product description		
DIN valve connectors	DIN valve connectors	
Industrial	Industrial	
В	В	
	M1TS2RL1-SK M1TS2RL2-SK M1TS2RL3-SK	
Rectangular connector M1 series complete with gasket and fixing screw. Connector with electronic.	Rectangular connector M1 series complete with gasket and fixing screw. Connector with electronic.	
11mm	11mm	
2poles + P.E.	2poles + P.E.	
H.12 (turnable)	H.12 (turnable)	
Black	Transparent	
30mm	30mm	
SK - PG9	SK - PG9	
Profiled NBR gasket	Profiled NBR gasket	
Technical data		
Screw contacts	Screw contacts	
0.5 N*m	0.5 N*m	
24V AC 115V AC 230V AC	24V AC 115V AC 230V AC	
Full-Wave Bridge Rectifier + Varistor	Full-Wave Bridge Rectifier + Varistor + Led	
-	Red	
ø cable 4-8.6mm	ø cable 4-8.6mm	
M3 L=32.5mm	M3 L=32.5mm	
Iron+Zinc plated	Iron+Zinc plated	
0.5 N*m	0.5 N*m	
Packaging	0.014 111	
50pcs / box	50pcs / box	
Other accessories options	000037 000	
See accessories section		
Notes:		
NULES.	Connector available with different led colour	

Field attachable connectors - Form B EN175301-803(DIN43650)







complei Connec		
Image: Section and Sectio		
Conforms to EN1753 Construction type B Part number M2NS2 Description Rectang Complet	lua connectora	DIN valve connectors
Construction type B Part number M2NS2 Description Rectange completee Connect Connect		
Part number M2NS2 Description Rectang complet Connect	501-003	EN175301-803
Description Rectang complet		В
complei Connec		M2NF2000
	Igular connector M2 series ete with gasket and fixing screw. ctor without electronic.	Rectangular connector M2 series complete with gasket and fixing screw. Connector without electronic.
Contacts spacing 10mm		10mm
Number of contacts 2poles	+ P.E.	2poles + P.E.
	turnable)	H.12 (turnable)
Housing colour Black	,	Black
Housing height 30mm		30mm
Cable gland PG9		1/2"NPTF
-	d NBR gasket	Profiled NBR gasket
Technical data	Ū.	
Type of termination Screw of	contacts	Screw contacts
Contact screw torque 0.5 N*n	m	0.5 N*m
	AC/ 300VDC	250V AC/ 300VDC
Circuit type -		-
Led colour -		-
Suitable cable ø cable	e 6-8mm	ø cable 6-8mm
	=32.5mm	M3 L=32.5mm
	Zinc plated	Iron+Zinc plated
Central screw torque 0.5 N*r		0.5 N*m
Packaging		
Qty/Box 50pcs /	/ box	50pcs / box
Other accessories options		
See accessories section		
Notes: Connect		



Field attachable connectors - Form B EN175301-803(DIN43650)



Field attachable connectors - Form B
EN175301-803(DIN43650)







Technical drawing			
Product description Connector type	DIN valve connectors EN175301-803	DIN valve connectors EN175301-803	
Conforms to			
Construction type	B	B	
Part number	M2TS2DL1 M2TS2DL2 M2TS2DL3	M2TS2VL1 M2TS2VL2 M2TS2VL3	
Description	Rectangular connector M2 series complete with gasket and fixing screw. Connector with electronic.	Rectangular connector M2 series complete with gasket and fixing screw. Connector with electronic.	
Contacts spacing	10mm	10mm	
Number of contacts	2poles + P.E.	2poles + P.E.	
Earth positioning	H.12 (turnable)	H.12 (turnable)	
Housing colour	Transparent	Transparent	
Housing height	30mm	30mm	
Cable gland	PG9	PG9	
Gasket type	Profiled NBR gasket	Profiled NBR gasket	
Technical data			
Type of termination	Screw contacts	Screw contacts	
Contact screw torque	0.5 N*m	0.5 N*m	
Rated voltage	24V DC 115V DC 230V DC	24V AC/DC 115V AC/DC 230V AC/DC	
Circuit type	Led + Diode(1A)	Bipolar Led + Varistor	
Led colour	Red	Red	
Suitable cable	ø cable 6-8mm	ø cable 6-8mm	
Central fixing screw	M3 L=32.5mm	M3 L=32.5mm	
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	
Central screw torque	0.5 N*m	0.5 N*m	
Packaging			
Qty/Box	50pcs / box	50pcs / box	
Other accessories options	1		
See accessories section			
Notes:	Connector available with different led colour	Connector available with different led colour	

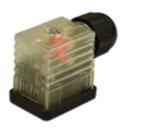


Field attachable connectors - Form B EN175301-803(DIN43650)

Technical drawing	o	+ o	o		
Product description					
Connector type	DIN valve connectors	DIN valve connectors	DIN valve connectors		
Conforms to	EN175301-803	EN175301-803	EN175301-803		
Construction type	В	В	В		
Part number	M2NS2000-SK	M2NS2D03-SK	M2TS2L01-SK M2TS2L02-SK M2TS2L03-SK		
Description	Rectangular connector M2 series complete with gasket and fixing screw. Connector without electronic.	Rectangular connector M2 series complete with gasket and fixing screw. Connector with electronic.	Rectangular connector M2 series complete with gasket and fixing screw. Connector with electronic.		
Contacts spacing	10mm	10mm	10mm		
Number of contacts	2poles + P.E.	2poles + P.E.	2poles + P.E.		
Earth positioning	H.12 (turnable)	H.12 (turnable)	H.12 (turnable)		
Housing colour	Black	Black	Transparent		
Housing height	30mm	30mm	30mm		
Cable gland	SK - PG9	SK - PG9	SK - PG9		
Gasket type	Profiled NBR gasket	Profiled NBR gasket	SK - PG9 Profiled NBR gasket		
Technical data	rishida hibir gashat				
Type of termination	Screw contacts	Screw contacts	Screw contacts		
Contact screw torque	0.5 N*m	0.5 N*m	0.5 N*m		
Rated voltage	250V AC/ 300VDC	1-230V DC	24V AC/DC 115V AC/DC 230V AC/DC		
Circuit type	-	Diode(1A)	Bipolar Led		
Led colour	-	-	Red		
Suitable cable	ø cable 4-8.6mm	ø cable 4-8.6mm	ø cable 4-8.6mm		
Central fixing screw	M3 L=32.5mm	M3 L=32.5mm	M3 L=32.5mm		
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated		
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m		
	0.0 N III	0.0 N III	0.0 N III		
Packaging Oty/Roy	50ncs / hox	50pcs / hox	50pcs / box		
Qty/Box	50pcs / box	50pcs / box	50pcs / box		
Other accessories options					
See accessories section			1		
Notes:	Connector available with different circuits.		Connector available with different led colour		

Field attachable connectors - Form B
EN175301-803(DIN43650)



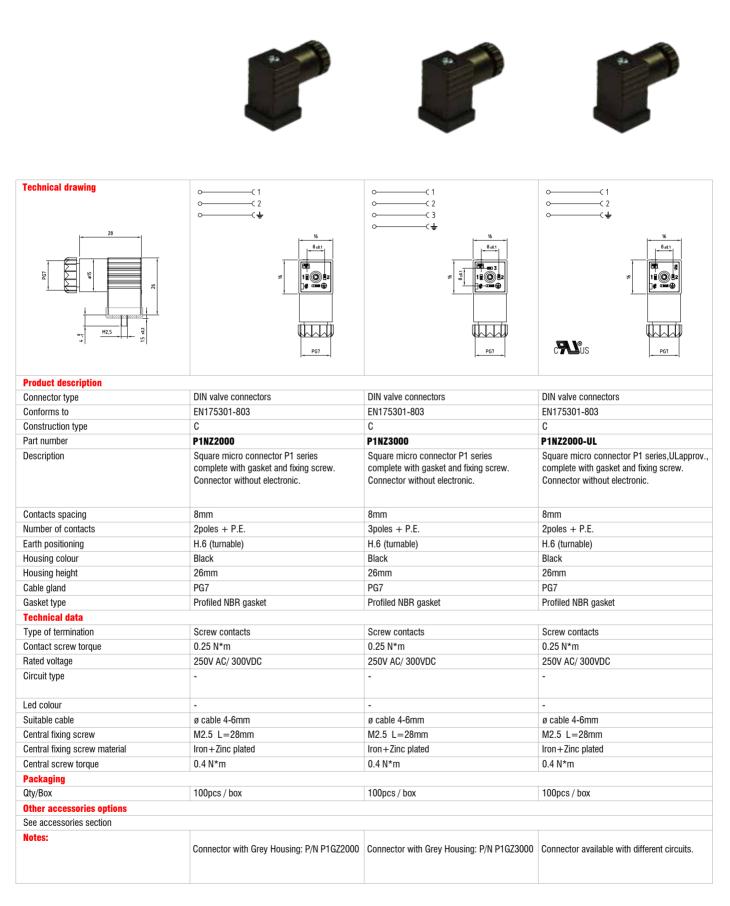




Technical drawing					
Product description					
Connector type	DIN valve connectors	DIN valve connectors			
Conforms to	EN175301-803	EN175301-803			
Construction type	В	B			
Part number	M2TS2DL1-SK M2TS2DL2-SK M2TS2DL3-SK	M2TS2VL1-SK M2TS2VL2-SK M2TS2VL3-SK			
Description	Rectangular connector M2 series complete with gasket and fixing screw. Connector with electronic.	Rectangular connector M2 series complete with gasket and fixing screw. Connector with electronic.			
Contacts spacing	10mm	10mm			
Number of contacts	2poles + P.E.	2poles + P.E.			
Earth positioning	H.12 (turnable)	H.12 (turnable)			
Housing colour	Transparent	Transparent			
Housing height	30mm	30mm			
Cable gland	SK - PG9	SK - PG9			
Gasket type	Profiled NBR gasket	Profiled NBR gasket			
Technical data					
Type of termination	Screw contacts	Screw contacts			
	0.5 N*m	0.5 N*m			
Rated voltage	24V DC 115V DC 230V DC	24V AC/DC 115V AC/DC 230V AC/DC			
Circuit type	Led + Diode(1A)	Bipolar Led + Varistor			
Led colour	Red	Red			
Suitable cable	ø cable 4-8.6mm	ø cable 4-8.6mm			
Central fixing screw	M3 L=32.5mm	M3 L=32.5mm			
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated			
Central screw torque	0.5 N*m	0.5 N*m			
Packaging					
Qty/Box	50pcs / box	50pcs / box			
Other accessories options					
See accessories section					
Notes:	Connector available with different led colour	Connector available with different led colour			



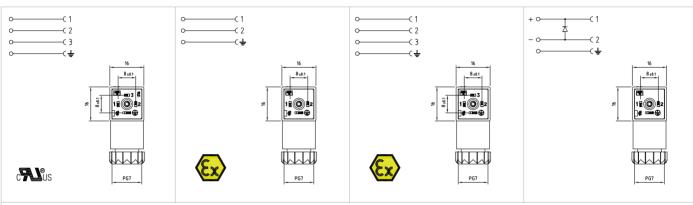
Field attachable connectors - Form C EN175301-803(DIN43650)



Field attachable	connectors	- Form	С
EN175301-803	(DIN43650)		







Product description		· · · · · · · · · · · · · · · · · · ·		
DIN valve connectors	DIN valve connectors	DIN valve connectors	DIN valve connectors	
EN175301-803	EN175301-803	EN175301-803	EN175301-803	
C	C	C	C	
P1NZ3000-UL	P1NZ2000-ATEX	P1NZ3000-ATEX	P1NZ2D03	
Square micro connector P1 series,ULapprov., complete with gasket and fixing screw. Connector without electronic.	Square micro connector P1 series,ATEX conform,complete with gasket and fixing screw. Connector without electronic.	Square micro connector P1 series,ATEX conform,complete with gasket and fixing screw. Connector without electronic.	Square micro connector P1 series complete with gasket and fixing screw. Connector with electronic.	
8mm	8mm	8mm	8mm	
3poles + P.E.	2poles + P.E.	3poles + P.E.	2poles + P.E.	
H.6 (turnable)	H.6 (turnable)	H.6 (turnable)	H.6 (turnable)	
Black	Black	Black	Black	
26mm	26mm	26mm	26mm	
PG7	PG7	PG7	PG7	
Profiled NBR gasket	Flat Silicone gasket	Flat Silicone gasket	Profiled NBR gasket	
Technical data		<u> </u>		
Screw contacts	Screw contacts	Screw contacts	Screw contacts	
0.25 N*m	0.25 N*m	0.25 N*m	0.25 N*m	
250V AC/ 300VDC	230V AC/ 300VDC	230V AC/ 300VDC	1-230V DC	
-	-	-	Diode(1A)	
-	-	-	-	
ø cable 4-6mm	ø cable 4-6mm	ø cable 4-6mm	ø cable 4-6mm	
M2.5 L=28mm	M2.5 L=28mm	M2.5 L=28mm	M2.5 L=28mm	
Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated	
0.4 N/m	0.4 N*m	0.4 N*m	0.4 N*m	
Packaging				
100pcs / box	Singly packed in plastic bag	Singly packed in plastic bag	100pcs / box	
Other accessories options		·	,	
See accessories section				
Notes: Connector available with different circuits.				



Field attachable connectors - Form C EN175301-803(DIN43650)







Technical drawing	·	с 1		+ 0	+⊂1 ¥%		•	¢1		
Product description Connector type	C 2 C 2 C 2 C 2 C 2 C 2 C 2 C 2					DIN valve connectors				
Conforms to	EN175301-8	03		EN175301-8	03		EN175301-8	03		
Construction type	C			С			С			
Part number	P1TZ2L01	P1TZ2L02	P1TZ2L03	P1TZ2DL1	P1TZ2DL2	P1TZ2DL3	P1TZ2VL1	P1TZ2VL2	P1TZ2VL3	
Description	complete wit	Square micro connector P1 series complete with gasket and fixing screw. Connector with electronic.		Square micro connector P1 series complete with gasket and fixing screw. Connector with electronic.			Square micro connector P1 series complete with gasket and fixing screw. Connector with electronic.			
Contacts spacing	8mm			8mm		8mm				
Number of contacts	2poles + P.E			2poles + P.E.			2poles + P.E.			
Earth positioning	H.6 (turnable)		H.6 (turnable)			H.6 (turnable)			
Housing colour	Transparent			Transparent			Transparent			
Housing height	26mm			26mm			26mm			
Cable gland	PG7			PG7			PG7			
Gasket type	Profiled NBR	gasket		Profiled NBR gasket			Profiled NBR	gasket		
Technical data										
Type of termination	Screw contac	cts		Screw conta	cts		Screw conta	cts		
Contact screw torque	0.25 N*m			0.25 N*m			0.25 N*m			
Rated voltage	24V AC/DC	115V AC/DC	230V AC/DC	24V DC	24V DC 115V DC 230V DC		24V AC/DC	115V AC/DC	230V AC/DC	
Circuit type	Bipolar led			Led + Diode	(1A)		Bipolar Led	+ Varistor		
Led colour	Red			Red			Red			
Suitable cable	ø cable 4-6m	ım		ø cable 4-6mm		ø cable 4-6mm				
Central fixing screw	M2.5 L=28	mm		M2.5 L=28mm		M2.5 L=28mm				
Central fixing screw material	Iron+Zinc pla	ated		Iron+Zinc plated		Iron+Zinc plated				
Central screw torque	0.4 N*m			0.4 N*m		0.4 N*m				
Packaging										
Qty/Box	100pcs / box	100pcs / box		100pcs / box		100pcs / box				
Other accessories options										
See accessories section										
Notes:	Connector av	vailable with diff	erent led colour	Connector available with different led colour		Connector available with different led colour				

Field attachable connectors - Form C EN175301-803(DIN43650)









Technical document				
Technical drawing	o(1 o(2 o([⊥]	o	+ • (1 - • (2 • (1 - (2	
Product description				
Connector type	DIN valve connectors	DIN valve connectors	DIN valve connectors	
Conforms to	EN175301-803	EN175301-803	EN175301-803	
Construction type	С	С	C	
Part number	P1NZ2000-SK	P1NZ3000-SK	P1NZ2D03-SK	
Description	Square micro connector P1 series complete with gasket and fixing screw. Connector without electronic.	Square micro connector P1 series complete with gasket and fixing screw. Connector without electronic.	Square micro connector P1 series complete with gasket and fixing screw. Connector with electronic.	
Contacts spacing	8mm	8mm	8mm	
Number of contacts	2poles + P.E.	3poles + P.E.	2poles + P.E.	
Earth positioning	H.6 (turnable)	H.6 (turnable)	H.6 (turnable)	
Housing colour	Black	Black	Black	
Housing height	26mm	26mm	26mm	
Cable gland	SK - PG7	SK - PG7	SK - PG7	
Gasket type	Profiled NBR gasket	Profiled NBR gasket	Profiled NBR gasket	
Technical data			-	
Type of termination	Screw contacts	Screw contacts	Screw contacts	
Contact screw torque	0.25 N*m	0.25 N*m	0.25 N*m	
Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC	1-230V DC	
Circuit type	-	-	Diode(1A)	
Led colour	-	-	-	
Suitable cable	ø cable 3.5-5.5mm	ø cable 3.5-5.5mm	ø cable 3.5-5.5mm	
Central fixing screw	M2.5 L=28mm	M2.5 L=28mm	M2.5 L=28mm	
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated	
Central screw torque	0.4 N*m	0.4 N*m	0.4 N*m	
Packaging	1			
Qty/Box	100pcs / box	100pcs / box	100pcs / box	
Other accessories options	• •	• *		
See accessories section				
Notes:	Connector available with different circuits.	Connector available with different circuits.		



Field attachable connectors - Form C EN175301-803(DIN43650)





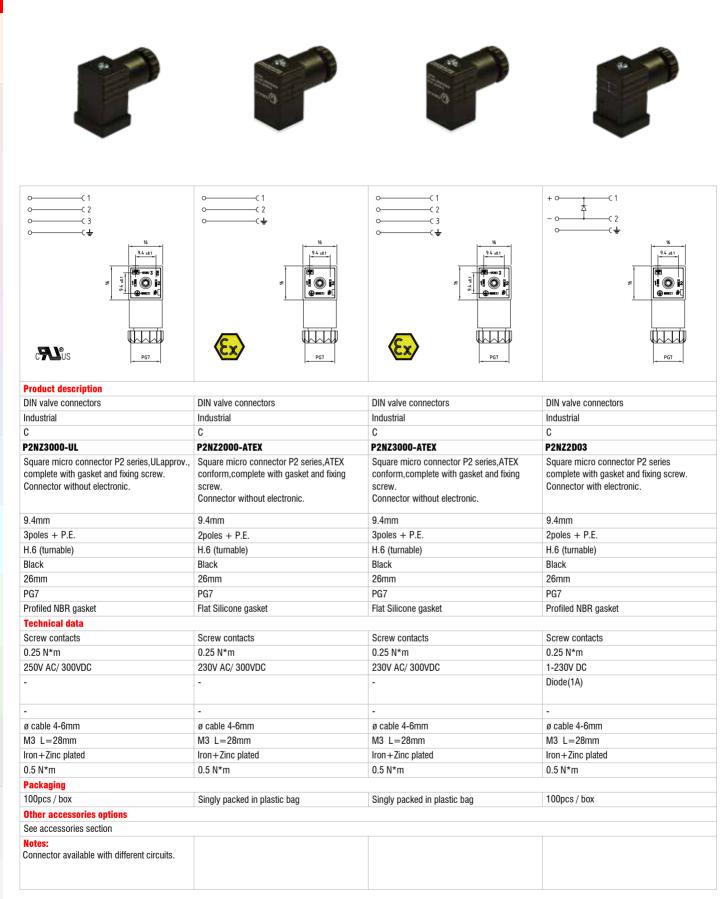


Product description						
DIN valve connectors	DIN valve connectors		DIN valve conr	lectors		
EN175301-803	EN175301-803		EN175301-803	3		
C	C		C		1	
P1TZ2L01-SK P1TZ2L02-SK P1TZ2L03-S						
Square micro connector P1 series complete with gasket and fixing screw. Connector with electronic.	Square micro connector P1 complete with gasket and fix Connector with electronic.		complete with	Square micro connector P1 series complete with gasket and fixing screw. Connector with electronic.		
8mm	8mm		8mm			
2poles + P.E.	2poles + P.E.		2poles + P.E.			
H.6 (turnable)	H.6 (turnable)		H.6 (turnable)			
Transparent	Transparent		Transparent			
26mm	26mm		26mm			
SK - PG7	SK - PG7		SK - PG7			
Profiled NBR gasket	Profiled NBR gasket		Profiled NBR gasket			
Technical data						
Screw contacts	Screw contacts		Screw contact	S		
0.25 N*m	0.25 N*m		0.25 N*m			
24V AC/DC 115V AC/DC 230V AC/DC	24V DC 115V DC	230V DC	24V AC/DC	115V AC/DC	230V AC/DC	
Bipolar led	Led + Diode(1A)		Bipolar Led +	Varistor		
Red	Red		Red			
ø cable 3.5-5.5mm	ø cable 3.5-5.5mm		ø cable 3.5-5.5mm			
M2.5 L=28mm	M2.5 L=28mm		M2.5 L=28m	m		
Iron+Zinc plated	Iron+Zinc plated		Iron+Zinc plated			
	0.4 N*m		0.4 N*m			
Packaging						
100pcs / box	100pcs / box		100pcs / box			
Other accessories options						
See accessories section Notes: Connector available with different led colour	Connector available with diff	erent led colour	Connector ava	ilable with differ	ent led colour	



Technical drawing				
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Product description				
Connector type	DIN valve connectors	DIN valve connectors	DIN valve connectors	
Conforms to	Industrial	Industrial	Industrial	
Construction type	С	С	С	
Part number	P2NZ2000	P2NZ3000	P2NZ2000-UL	
Description	Square micro connector P2 series complete with gasket and fixing screw. Connector without electronic.	Square micro connector P2 series complete with gasket and fixing screw. Connector without electronic.	Square micro connector P2 series,ULapprov., complete with gasket and fixing screw. Connector without electronic.	
Contacts spacing	9.4mm	9.4mm	9.4mm	
Number of contacts	2poles + P.E.	3poles + P.E.	2poles + P.E.	
Earth positioning	H.6 (turnable)	H.6 (turnable)	H.6 (turnable)	
Housing colour	Black	Black	Black	
Housing height	26mm	26mm	26mm	
Cable gland	PG7	PG7	PG7	
Gasket type	Profiled NBR gasket	Profiled NBR gasket	Profiled NBR gasket	
Technical data				
Type of termination	Screw contacts	Screw contacts	Screw contacts	
Contact screw torque	0.25 N*m	0.25 N*m	0.25 N*m	
Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC	250V AC/ 300VDC	
Circuit type	-	-	-	
Led colour		-	-	
Suitable cable	ø cable 4-6mm	ø cable 4-6mm	ø cable 4-6mm	
Central fixing screw	M3 L=28mm	M3 L=28mm	M3 L=28mm	
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated	
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m	
Packaging				
Qty/Box	100pcs / box	100pcs / box	100pcs / box	
Other accessories options				
See accessories section				
Notes:	Connector with Grey Housing: P/N P2GZ2000	Connector with Grey Housing: P/N P2GZ3000	Connector available with different circuits.	







DIN valve connectors	DIN valve connectors	DIN valve connectors		
Industrial	Industrial	Industrial		
С		C		
Square micro connector P2 series complete with gasket and fixing screw. Connector with electronic.	Square micro connector P2 series complete with gasket and fixing screw. Connector with electronic.	P2TZ2VL1 P2TZ2VL2 P2TZ2VL3 Square micro connector P2 series complete with gasket and fixing screw. Connector with electronic.		
9.4mm	9.4mm	9.4mm		
2poles + P.E.	2poles + P.E.	2poles + P.E.		
•		H.6 (turnable)		
		Transparent		
26mm	26mm	26mm		
PG7	PG7	PG7		
Profiled NBR gasket	Profiled NBR gasket	Profiled NBR gasket		
Screw contacts	Screw contacts	Screw contacts		
0.25 N*m	0.25 N*m	0.25 N*m		
24V AC/DC 115V AC/DC 230V AC/DC	24V DC 115V DC 230V DC	24V AC/DC 115V AC/DC 230V AC/DC		
Bipolar led	Led + Diode(1A)	Bipolar Led + Varistor		
Red	Red	Red		
ø cable 4-6mm	ø cable 4-6mm	ø cable 4-6mm		
M3 L=28mm	M3 L=28mm	M3 L=28mm		
Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated		
0.5 N*m	0.5 N*m	0.5 N*m		
100pcs / box	100pcs / box	100pcs / box		
Connector available with different led colour	Connector available with different led colour	Connector available with different led colour		
	DIN valve connectors Industrial C P2T22L01 P2T22L02 P2T22L03 Square micro connector P2 series complete with gasket and fixing screw. Connector with electronic. 9.4mm 2poles + P.E. H.6 (turnable) Transparent 26mm PG7 Poniled NBR gasket I N3 L = 28m Iron + Zinc plated 0.5 N*m 100pcs / box	Participant Participant Participant Industrial Industrial Industrial C C P2T22L01 P2T22L02 P2T22L03 Square micro connector P2 series complete with gasket and fixing screw. Connector with electronic. Square micro connector P2 series complete with gasket and fixing screw. Connector with electronic. Square micro connector P2 series complete with gasket and fixing screw. Connector with electronic. 9.4mm 9.4mm 9.4mm 2poles + P.E. 2poles + P.E. Connector with electronic. 9.4mm 9.4mm 2Gmm 2poles + P.E. 2poles + P.E. F H.6 (turnable) Transparent Transparent Transparent Transparent Z Screw contacts 0.25 N*m 0.25 N*m 0.25 N*m 0.25 N*m 230V DC 24V AC/DC 115V AC/DC 230V AC/DC 24V D Bipolar led with up aled with up aled With up aled 0.5 N*m 0.5 N*m 0.5 N*m 0.5 N*m 100pcs / box 100pcs / box 100pcs / box 100pcs / box		



Technical drawing			$+ \circ C 1$ $- \circ - C 2$ $- C \frac{1}{2}$ $+ \circ - C 2$ $- C \frac{1}{2}$
Product description			
Connector type	DIN valve connectors	DIN valve connectors	DIN valve connectors
Conforms to	Industrial	Industrial	Industrial
Construction type	C	C	C
Part number Description	P2NZ2000-SK Square micro connector P2 series complete with gasket and fixing screw. Connector without electronic.	P2NZ3000-SK Square micro connector P2 series complete with gasket and fixing screw. Connector without electronic.	P2NZ2D03-SK Square micro connector P2 series complete with gasket and fixing screw. Connector with electronic.
Contacts spacing	9.4mm	9.4mm	9.4mm
Number of contacts	2poles + P.E.	3poles + P.E.	2poles + P.E.
Earth positioning	H.6 (turnable)	H.6 (turnable)	H.6 (turnable)
Housing colour	Black	Black	Black
Housing height	26mm	26mm	26mm
Cable gland	SK - PG7	SK - PG7	SK - PG7
Gasket type	Profiled NBR gasket	Profiled NBR gasket	Profiled NBR gasket
Technical data Type of termination	Screw contacts	Screw contacts	Screw contacts
Contact screw torque	0.25 N*m	0.25 N*m	0.25 N*m
Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC	1-230V DC
Circuit type	-	-	Diode(1A)
Led colour			•
Led colour Suitable cable	- ø cable 3.5-5.5mm	- ø cable 3.5-5.5mm	- ø cable 3.5-5.5mm
	M3 L=28mm	M3 L=28mm	Ø cable 3.5-5.5mm M3 L=28mm
Central fixing screw Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.4 N*m	0.4 N*m	0.4 N*m
Packaging	100noc / boy	100pcc / box	100pcc / boy
Qty/Box	100pcs / box	100pcs / box	100pcs / box
Other accessories options			
See accessories section			
Notes:	Connector available with different circuits.	Connector available with different circuits.	



Technical drawing					
Product description Connector type Conforms to	DIN valve connectors	DIN valve connectors	DIN valve connectors		
Construction type	C	C	C		
Part number	P2TZ2L01-SK P2TZ2L02-SK P2TZ2L03-SK				
Description	Square micro connector P2 series complete with gasket and fixing screw. Connector with electronic.	Square micro connector P2 series complete with gasket and fixing screw. Connector with electronic.	Square micro connector P2 series complete with gasket and fixing screw. Connector with electronic.		
Contacts spacing	9.4mm	9.4mm	9.4mm		
Number of contacts	2poles + P.E.	2poles + P.E.	2poles + P.E.		
Earth positioning	H.6 (turnable)	H.6 (turnable)	H.6 (turnable)		
Housing colour	Transparent	Transparent	Transparent		
Housing height	26mm	26mm	26mm		
Cable gland	SK - PG7	SK - PG7	SK - PG7		
Gasket type	Profiled NBR gasket	Profiled NBR gasket	Profiled NBR gasket		
Technical data	i tomou hibit guonot	romou rubri guonor	Troniod HDTT guotor		
Type of termination	Screw contacts	Screw contacts	Screw contacts		
	0.25 N*m	0.25 N*m	0.25 N*m		
Rated voltage	24V AC/DC 115V AC/DC 230V AC/DC	24V DC 115V DC 230V DC	24V AC/DC 115V AC/DC 230V AC/D		
Circuit type	Bipolar led	Led + Diode(1A)	Bipolar Led + Varistor		
Led colour	Red	Red	Red		
Suitable cable	ø cable 3.5-5.5mm	ø cable 3.5-5.5mm	ø cable 3.5-5.5mm		
Central fixing screw	M3 L=28mm	M3 L=28mm	M3 L=28mm		
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated		
	0.4 N*m	0.4 N*m	0.4 N*m		
Central screw torque	V.T.IT.III		5. FIV III		
Packaging	100-55 / 65	100ncc / how	100ppg / bay		
Packaging Qty/Box	100pcs / box	100pcs / box	100pcs / box		
Packaging Qty/Box Other accessories options	100pcs / box	100pcs / box	100pcs / box		
Central screw torque Packaging Qty/Box Other accessories options See accessories section Notes:	100pcs / box	100pcs / box	100pcs / box		



Moulded cable connectors - General Features and codification scheme

• GENERAL FEATURES:

Conductor cross section : 0.34(22AWG) ... 1.50mm²(16AWG).

Fixing system : Central fixing screw.

Max. screw torque IEC60947-1 (Central fixing screw) : CG1-CM1-CM2-CP2 series: Max. 0.5 N * m. CP1 series: Max. 0.4 N * m.

Type of terminations : To solder.

Contact material and treatment : Brass + Silver plated.

Housing material : Polypropylene.

Internal core material : PA66.

Flammability resistance : UL94-V2 - Standard UL94-V0 - UL approved

Protection class : IP67.

Operating temperature : -25°C +90°C (connector).

 -25° C + 120^{\circ}C (UL approved connector). (NBR gasket -40^{\circ}C +90^{\circ}C). (Silicone gasket -40°C +125°C).

Nominal current : CG1-CG5-CM1-CM2 series: 10A. CP1-CP2 series: 3A.

				ר ר	r		ı ——	י ר	<u>ا</u>		· ۲
	CG1	Ν	0	2	00	0	C	02	2	-	##
SERIES											
CG1 : EN175301-803 form A (18mm).											
CBG1 : EN175301-803 form A (18mm)with MAL CG5 : form A (18mm) height ~33mm.	E contacts										
CGB : EN175301-803 form A (18mm) EXIT CAB											
CBGB : EN175301-803 form A (18mm) EXIT CA MALE CONTACTS.	BLE 180° \	NITH									
CM1 : INDUSTRIAL form B (11mm).											
CM2 : EN175301-803 form B (10mm). CM1B: INDUSTRIAL form B (11mm) EXIT CABL	E 180°										
CP1 : EN175301-803 form C (8mm).	L 100 .										
CBP1: EN175301-803 form C (8mm) WITH MA	LE CONTAG	CTS.									
CP2 : MICRO INDUSTRIAL form C (9.4mm). CBP2: MICRO INDUSTRIAL form C (9.4mm) WIT	H MALE										
CONTACTS.											
CP2C: MICRO INDUSTRIAL form C (9.4mm) EXIT	CABLE 18	30°.									
COLOUR											
G : GREY. N : BLACK (STANDARD).											
CABLE EXIT											
0 : MOULDED CABLE.											
POLES No.											
2: 2POLES + EARTH. 3: 3POLES + EARTH.											
CIRCUIT TYPE											
SEE CIRCUITS FEATURES PAGE.											
VOLTAGE											
0 : 250V / 300V. 1 : 24V. 2 : 115V. 3 : 230V.	4 : 12V.	5 : 48V									
EARTH POSITION											
A: H.6. B: H.12. C: DOUBLE H.6-12. D: H.3	6. E : H.9.	F : DOL	IBLE H.	3-9.							
CABLE TYPE											
SEE CABLES FEATURES PAGE.											
CABLE LENGTH											
1 :1m A :+10cm EXAMPLE:"2C" =	0.0m										
3 :3m C :+30cm " <u>2F</u> " = " <u>2F</u> " = " <u>2</u> F" =											
I : +90cm											
SOME VARIABLES											

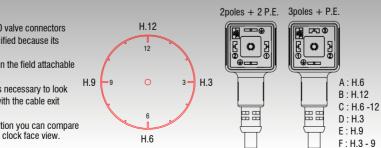
4D BRIDGE RECTIFIER WITH 4 DIODES. 3A : ELECTRONIC COMPONENTS 3A. 12MA3 : EXTENSION M12 MALE 90° 3p. 12MD3 : EXTENSION M12 MALE 180° 3p. 12FA3 : EXTENSION M12 FEMALE 90° 3p. 12FD3 : EXTENSION M12 FEMALE 180° 3p.

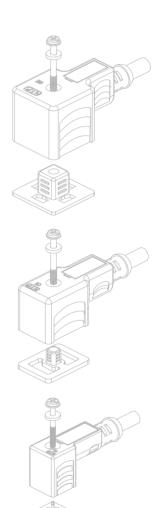
EARTH PIN POSITION

Earth pin position for the DIN43650 valve connectors with moulded cable has to be specified because its internal core is fixed. The internal core cannot rotate as in the field attachable connectors.

To define the earth pin position it is necessary to look at the face view of the connector with the cable exit side down.

To easily identify the earth pin position you can compare the face view of the connector to a clock face view.







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Moulded cable connectors - Form A	ł
EN175301-803(DIN43650)	



valve connectors 75301-803 No2000C021 are connector CG1 series pplete with gasket and fixing screw. nector without electronic. mm les + 2P.E. 12 k	Image: constraint of the second se	DIN valve connectors EN175301-803 A CG1N02000C161-UL Square connector CG1 series,UL approved, complete with gasket and fixing screw. Connector without electronic. 18mm 2poles + 2P.E. H.6-12
valve connectors 75301-803 NO2000C021 are connector CG1 series uplete with gasket and fixing screw. nector without electronic. mm les + 2P.E. 12	DIN valve connectors EN175301-803 A CG1N03000AB21 Square connector CG1 series complete with gasket and fixing screw. Connector without electronic. 18mm 3poles + P.E. H.6	DIN valve connectors EN175301-803 A CG1N02000C161-UL Square connector CG1 series,UL approved, complete with gasket and fixing screw. Connector without electronic.
valve connectors 75301-803 NO2000C021 are connector CG1 series nplete with gasket and fixing screw. nector without electronic. mm les + 2P.E. 12	DIN valve connectors EN175301-803 A CG1N03000AB21 Square connector CG1 series complete with gasket and fixing screw. Connector without electronic. 18mm 3poles + P.E. H.6	DIN valve connectors EN175301-803 A CG1N02000C161-UL Square connector CG1 series,UL approved, complete with gasket and fixing screw. Connector without electronic. 18mm 2poles + 2P.E.
75301-803 N02000C021 are connector CG1 series plete with gasket and fixing screw. nector without electronic. m les + 2P.E. 12	EN175301-803 A CG1N03000AB21 Square connector CG1 series complete with gasket and fixing screw. Connector without electronic. 18mm 3poles + P.E. H.6	EN175301-803 A CG1N02000C161-UL Square connector CG1 series,UL approved, complete with gasket and fixing screw. Connector without electronic. 18mm 2poles + 2P.E.
75301-803 N02000C021 are connector CG1 series plete with gasket and fixing screw. nector without electronic. m les + 2P.E. 12	EN175301-803 A CG1N03000AB21 Square connector CG1 series complete with gasket and fixing screw. Connector without electronic. 18mm 3poles + P.E. H.6	EN175301-803 A CG1N02000C161-UL Square connector CG1 series,UL approved, complete with gasket and fixing screw. Connector without electronic. 18mm 2poles + 2P.E.
N02000C021 are connector CG1 series plete with gasket and fixing screw. nector without electronic. m les + 2P.E. 12	A CG1N03000AB21 Square connector CG1 series complete with gasket and fixing screw. Connector without electronic. 18mm 3poles + P.E. H.6	A CG1N02000C161-UL Square connector CG1 series,UL approved, complete with gasket and fixing screw. Connector without electronic. 18mm 2poles + 2P.E.
are connector CG1 series plete with gasket and fixing screw. nector without electronic. im les + 2P.E. 12	CG1N03000AB21 Square connector CG1 series complete with gasket and fixing screw. Connector without electronic. 18mm 3poles + P.E. H.6	CG1N02000C161-UL Square connector CG1 series,UL approved, complete with gasket and fixing screw. Connector without electronic. 18mm 2poles + 2P.E.
are connector CG1 series plete with gasket and fixing screw. nector without electronic. im les + 2P.E. 12	Square connector CG1 series complete with gasket and fixing screw. Connector without electronic. 18mm 3poles + P.E. H.6	Square connector CG1 series,UL approved, complete with gasket and fixing screw. Connector without electronic. 18mm 2poles + 2P.E.
les + 2P.E. .12	3poles + P.E. H.6	2poles + 2P.E.
-12	Н.6	
		H.6-12
k		
	Black	Black
9mm	22.9mm	22.9mm
grated NBR gasket	Integrated NBR gasket	Integrated NBR gasket
V AC/ 300VDC	250V AC/ 300VDC	250V AC/ 300VDC
	-	-
	-	-
L=25mm	M3 L=25mm	M3 L=25mm
		Iron+Zinc plated
		0.5 N*m
		PVC/PVC ULstyle21179
		Black
.75mm ²		3G18AWG
		Brown; Blue; Yellow-Green
(mm (±0.3)		ø6.2mm (±0.3)
	1m	1m
able according cable length.	Variable according cable length.	Variable according cable length.
Γ :/	+ Zinc plated N*m /PVC IEC332-1 H05VVF k .75mm ² vn; Blue; Yellow-Green /mm (±0.3) able according cable length.	N*m 0.5 N*m /PVC IEC332-1 H05VVF PVC/PVC IEC332-1 H05VVF k Black .75mm² 4G0.75mm² vn; Blue; Yellow-Green Brown; Blue; Black; Yellow-Green mm (±0.3) ø7mm (±0.3) 1m 1m



Moulded cable connectors - Form A EN175301-803(DIN43650)

	e	e			
Product description	DN				
Connector type	DIN valve connectors	DIN valve connectors	DIN valve connectors		
Conforms to	EN175301-803	EN175301-803	EN175301-803		
Construction type	Α	Α	A		
Part number	CG1N03000A181-UL	CG1N02D03C021	CG1N02L01C021 CG1N02L02C021 CG1N02L03C021		
Description	Square connector CG1 series,UL approved,	Square connector CG1 series complete with gasket and fixing screw.	Square connector CG1 series complete with gasket and fixing screw.		
	complete with gasket and fixing screw. Connector without electronic.	Connector with electronic.	Connector with electronic.		
Contacts spacing		Connector with electronic. 18mm			
Contacts spacing Number of contacts	Connector without electronic.	Connector with electronic.	Connector with electronic.		
	Connector without electronic. 18mm	Connector with electronic. 18mm	Connector with electronic. 18mm		
Number of contacts	Connector without electronic. 18mm 3poles + P.E.	Connector with electronic. 18mm 2poles + 2P.E.	Connector with electronic. 18mm 2poles + 2P.E.		
Number of contacts Earth positioning	Connector without electronic. 18mm 3poles + P.E. H.6	Connector with electronic. 18mm 2poles + 2P.E. H.6-12	Connector with electronic. 18mm 2poles + 2P.E. H.6-12		
Number of contacts Earth positioning Housing colour	Connector without electronic. 18mm 3poles + P.E. H.6 Black	Connector with electronic. 18mm 2poles + 2P.E. H.6-12 Black	Connector with electronic. 18mm 2poles + 2P.E. H.6-12 Black		
Number of contacts Earth positioning Housing colour Housing height	Connector without electronic. 18mm 3poles + P.E. H.6 Black 22.9mm	Connector with electronic. 18mm 2poles + 2P.E. H.6-12 Black 22.9mm	Connector with electronic. 18mm 2poles + 2P.E. H.6-12 Black 22.9mm		
Number of contacts Earth positioning Housing colour Housing height Gasket type	Connector without electronic. 18mm 3poles + P.E. H.6 Black 22.9mm	Connector with electronic. 18mm 2poles + 2P.E. H.6-12 Black 22.9mm	Connector with electronic. 18mm 2poles + 2P.E. H.6-12 Black 22.9mm		
Number of contacts Earth positioning Housing colour Housing height Gasket type Technical data Rated voltage Circuit type	Connector without electronic. 18mm 3poles + P.E. H.6 Black 22.9mm Integrated NBR gasket	Connector with electronic. 18mm 2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket	Connector with electronic. 18mm 2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 24V AC/ DC 115V AC/DC 230V AC/DC Bipolar Led		
Number of contacts Earth positioning Housing colour Housing height Gasket type Technical data Rated voltage	Connector without electronic. 18mm 3poles + P.E. H.6 Black 22.9mm Integrated NBR gasket 250V AC/ 300VDC	Connector with electronic. 18mm 2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 1-230V DC	Connector with electronic. 18mm 2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 24V AC/ DC 115V AC/DC 230V AC/DC		
Number of contacts Earth positioning Housing colour Housing height Gasket type Technical data Rated voltage Circuit type Led colour Central fixing screw	Connector without electronic. 18mm 3poles + P.E. H.6 Black 22.9mm Integrated NBR gasket 250V AC/ 300VDC - - M3 L=25mm	Connector with electronic. 18mm 2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 1-230V DC Diode(1A) - M3 L=25mm	Connector with electronic. 18mm 2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 24V AC/ DC 115V AC/DC 230V AC/DC Bipolar Led Red M3 L=25mm		
Number of contacts Earth positioning Housing colour Housing height Gasket type Technical data Rated voltage Circuit type Led colour	Connector without electronic. 18mm 3poles + P.E. H.6 Black 22.9mm Integrated NBR gasket 250V AC/ 300VDC - - M3 L=25mm Iron +Zinc plated	Connector with electronic. 18mm 2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 1-230V DC Diode(1A) -	Connector with electronic. 18mm 2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 24V AC/ DC 115V AC/DC 230V AC/DC Bipolar Led Red M3 L=25mm Iron + Zinc plated		
Number of contacts Earth positioning Housing colour Housing height Gasket type Technical data Rated voltage Circuit type Led colour Central fixing screw	Connector without electronic. 18mm 3poles + P.E. H.6 Black 22.9mm Integrated NBR gasket 250V AC/ 300VDC - - M3 L=25mm	Connector with electronic. 18mm 2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 1-230V DC Diode(1A) - M3 L=25mm Iron+Zinc plated 0.5 N*m	Connector with electronic. 18mm 2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 24V AC/ DC 115V AC/DC 230V AC/DC Bipolar Led Red M3 L=25mm Iron+Zinc plated 0.5 N*m		
Number of contacts Earth positioning Housing colour Housing height Gasket type Technical data Rated voltage Circuit type Led colour Central fixing screw Central screw torque Cable type	Connector without electronic. 18mm 3poles + P.E. H.6 Black 22.9mm Integrated NBR gasket 250V AC/ 300VDC - - M3 L=25mm Iron +Zinc plated	Connector with electronic. 18mm 2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 1-230V DC Diode(1A) - M3 L=25mm Iron+Zinc plated	Connector with electronic. 18mm 2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 24V AC/ DC 115V AC/DC 230V AC/DC Bipolar Led Red M3 L=25mm Iron + Zinc plated		
Number of contacts Earth positioning Housing colour Housing height Gasket type Technical data Rated voltage Circuit type Led colour Central fixing screw Central screw torque Cable type Cable jacket colour	Connector without electronic. 18mm 3poles + P.E. H.6 Black 22.9mm Integrated NBR gasket 250V AC/ 300VDC - - M3 L=25mm Iron + Zinc plated 0.5 N*m PVC/PVC ULstyle21179 Black	Connector with electronic. 18mm 2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 1-230V DC Diode(1A) - M3 L=25mm Iron + Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF Black	Connector with electronic. 18mm 2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 24V AC/ DC 115V AC/DC 230V AC/DC Bipolar Led Red M3 L=25mm Iron + Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF Black		
Number of contacts Earth positioning Housing colour Housing height Gasket type Technical data Rated voltage Circuit type Led colour Central fixing screw Central fixing screw material Central screw torque Cable type Cable jacket colour No.Conductors / Section	Connector without electronic. 18mm 3poles + P.E. H.6 Black 22.9mm Integrated NBR gasket 250V AC/ 300VDC - - M3 L=25mm Iron+Zinc plated 0.5 N*m PVC/PVC ULstyle21179 Black 4G18AWG	Connector with electronic. 18mm 2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 1-230V DC Diode(1A) - M3 L=25mm Iron + Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF Black 3G0.75mm ²	Connector with electronic. 18mm 2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 24V AC/ DC 115V AC/DC 230V AC/DC Bipolar Led Red M3 L=25mm Iron + Zinc plated		
Number of contacts Earth positioning Housing colour Housing height Gasket type Technical data Rated voltage Circuit type Led colour Central fixing screw Central fixing screw material Central screw torque Cable type Cable jacket colour No.Conductors / Section Conductor colours	Connector without electronic. 18mm 3poles + P.E. H.6 Black 22.9mm Integrated NBR gasket 250V AC/ 300VDC - - M3 L=25mm Iron+Zinc plated 0.5 N*m PVC/PVC ULstyle21179 Black 4G18AWG Brown; Blue; Black; Yellow-Green	Connector with electronic. 18mm 2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 1-230V DC Diode(1A) - M3 L=25mm Iron+Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF Black 3G0.75mm ² Brown; Blue; Yellow-Green	Connector with electronic. 18mm 2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 24V AC/ DC 115V AC/DC Bipolar Led Red M3 L=25mm Iron + Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF Black 3G0.75mm² Brown; Blue; Yellow-Green		
Number of contacts Earth positioning Housing colour Housing height Gasket type Technical data Rated voltage Circuit type Led colour Central fixing screw Central fixing screw material Central screw torque Cable type Cable jacket colour No.Conductors / Section Conductor colours Cable diameter	Connector without electronic. 18mm 3poles + P.E. H.6 Black 22.9mm Integrated NBR gasket 250V AC/ 300VDC - - M3 L=25mm Iron +Zinc plated 0.5 N*m PVC/PVC ULstyle21179 Black 4G18AWG Brown; Blue; Black; Yellow-Green Ø6.5mm (±0.3)	Connector with electronic. 18mm 2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 1-230V DC Diode(1A) - M3 L=25mm Iron+Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF Black 3G0.75mm ² Brown; Blue; Yellow-Green Ø6.7mm (±0.3)	Connector with electronic. 18mm 2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 24V AC/ DC 115V AC/DC Bipolar Led Red M3 L=25mm Iron+Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF Black 3G0.75mm² Brown; Blue; Yellow-Green ø6.7mm (±0.3)		
Number of contacts Earth positioning Housing colour Housing height Gasket type Technical data Rated voltage Circuit type Led colour Central fixing screw Central fixing screw material Central screw torque Cable type Cable jacket colour No.Conductors / Section Conductor colours Cable diameter Cable length	Connector without electronic. 18mm 3poles + P.E. H.6 Black 22.9mm Integrated NBR gasket 250V AC/ 300VDC - - M3 L=25mm Iron+Zinc plated 0.5 N*m PVC/PVC ULstyle21179 Black 4G18AWG Brown; Blue; Black; Yellow-Green	Connector with electronic. 18mm 2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 1-230V DC Diode(1A) - M3 L=25mm Iron+Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF Black 3G0.75mm ² Brown; Blue; Yellow-Green	Connector with electronic. 18mm 2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 24V AC/ DC 115V AC/DC 24V AC/ DC 115V AC/DC Bipolar Led Red M3 L=25mm Iron + Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF Black 3G0.75mm² Brown; Blue; Yellow-Green		
Number of contacts Earth positioning Housing colour Housing height Gasket type Technical data Rated voltage Circuit type Led colour Central fixing screw Central fixing screw material Central screw torque Cable type Cable jacket colour No.Conductors / Section Conductor colours Cable diameter Cable length Packaging	Connector without electronic. 18mm 3poles + P.E. H.6 Black 22.9mm Integrated NBR gasket 250V AC/ 300VDC - - M3 L=25mm Iron +Zinc plated 0.5 N*m PVC/PVC ULstyle21179 Black 4G18AWG Brown; Blue; Black; Yellow-Green Ø6.5mm (±0.3) 1m	Connector with electronic. 18mm 2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 1-230V DC Diode(1A) - M3 L=25mm Iron+Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF Black 3G0.75mm ² Brown; Blue; Yellow-Green Ø6.7mm (±0.3) 1m	Connector with electronic. 18mm 2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 24V AC/ DC 115V AC/DC Bipolar Led Red M3 L=25mm Iron+Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF Black 3G0.75mm² Brown; Blue; Yellow-Green ø6.7mm (±0.3)		
Number of contacts Earth positioning Housing colour Housing height Gasket type Technical data Rated voltage Circuit type Led colour Central fixing screw Central fixing screw material Central screw torque Cable type Cable jacket colour No.Conductors / Section Conductor colours Cable diameter Cable length Packaging Qty/Box	Connector without electronic. 18mm 3poles + P.E. H.6 Black 22.9mm Integrated NBR gasket 250V AC/ 300VDC - - M3 L=25mm Iron +Zinc plated 0.5 N*m PVC/PVC ULstyle21179 Black 4G18AWG Brown; Blue; Black; Yellow-Green Ø6.5mm (±0.3)	Connector with electronic. 18mm 2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 1-230V DC Diode(1A) - M3 L=25mm Iron+Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF Black 3G0.75mm ² Brown; Blue; Yellow-Green Ø6.7mm (±0.3)	Connector with electronic. 18mm 2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 24V AC/ DC 115V AC/DC Bipolar Led Red M3 L=25mm Iron+Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF Black 3G0.75mm² Brown; Blue; Yellow-Green ø6.7mm (±0.3)		
Number of contacts Earth positioning Housing colour Housing height Gasket type Technical data Rated voltage Circuit type Led colour Central fixing screw Central fixing screw material Central screw torque Cable type Cable jacket colour No.Conductors / Section Conductor colours Cable diameter Cable length Packaging Qty/Box Other accessories options	Connector without electronic. 18mm 3poles + P.E. H.6 Black 22.9mm Integrated NBR gasket 250V AC/ 300VDC - - M3 L=25mm Iron +Zinc plated 0.5 N*m PVC/PVC ULstyle21179 Black 4G18AWG Brown; Blue; Black; Yellow-Green Ø6.5mm (±0.3) 1m	Connector with electronic. 18mm 2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 1-230V DC Diode(1A) - M3 L=25mm Iron+Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF Black 3G0.75mm ² Brown; Blue; Yellow-Green Ø6.7mm (±0.3) 1m	Connector with electronic. 18mm 2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 24V AC/ DC 115V AC/DC Bipolar Led Red M3 L=25mm Iron+Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF Black 3G0.75mm² Brown; Blue; Yellow-Green ø6.7mm (±0.3)		
Number of contacts Earth positioning Housing colour Housing height Gasket type Technical data Rated voltage Circuit type Led colour Central fixing screw Central fixing screw material Central screw torque Cable type Cable jacket colour No.Conductors / Section Conductor colours Cable diameter Cable length Packaging Qty/Box	Connector without electronic. 18mm 3poles + P.E. H.6 Black 22.9mm Integrated NBR gasket 250V AC/ 300VDC - - M3 L=25mm Iron +Zinc plated 0.5 N*m PVC/PVC ULstyle21179 Black 4G18AWG Brown; Blue; Black; Yellow-Green Ø6.5mm (±0.3) 1m	Connector with electronic. 18mm 2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 1-230V DC Diode(1A) - M3 L=25mm Iron+Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF Black 3G0.75mm ² Brown; Blue; Yellow-Green Ø6.7mm (±0.3) 1m	Connector with electronic. 18mm 2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 24V AC/ DC 115V AC/DC Bipolar Led Red M3 L=25mm Iron+Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF Black 3G0.75mm² Brown; Blue; Yellow-Green ø6.7mm (±0.3)		

See the cable codification scheme page See the cables list section

Moulded cable connectors - Form A
EN175301-803(DIN43650)



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Product description							
DIN valve connectors	DIN valve connectors		DIN valve connectors	DIN valve connectors			
EN175301-803	EN175301-803		EN175301-803	EN175301-803			
A	A		A		A	1	
CG1N02DL1C021 CG1N02DL2C021 CG1N02DL3C02							21 CG1N02RV3C021
Square connector CG1 series complete with gasket and fixing screw. Connector with electronic.	Square connector CG1 series complete with gasket and fixing screw. Connector with electronic.		Square connector CG1 series complete with gasket and fixing screw. Connector with electronic.		Square connect complete with Connector with	gasket and fix	
18mm	18mm		18mm		18mm		
2poles + 2P.E.	2poles + 2P.E.		2poles + 2P.E.		2poles + 2P.E		
H.6-12	H.6-12		H.6-12	H.6-12			
Black	Black		Black	Black			
22.9mm	22.9mm		22.9mm	22.9mm			
Integrated NBR gasket	Integrated NBR gasket		Integrated NBR gasket	Integrated NBF	R gasket		
Technical data							
24V DC 115V DC 230V DC	24V AC/ DC 115V AC/D	DC 230V AC/DC	1-230V AC		24V AC	115V AC	230V AC
Led + Diode(1A)	Bipolar Led + Varistor		Full-Wave Bridge Rect	Full-Wave Brid	ge Rectifier +	Varistor	
Red	Red		-	-			
M3 L=25mm	M3 L=25mm		M3 L=25mm	M3 L=25mm			
Iron+Zinc plated	Iron+Zinc plated		Iron+Zinc plated	Iron+Zinc plated			
0.5 N*m	0.5 N*m		0.5 N*m	0.5 N*m			
PVC/PVC IEC332-1 H05VVF	PVC/PVC IEC332-1 H05VV	/F	PVC/PVC IEC332-1 H05VVF		PVC/PVC IEC332-1 H05VVF		
Black	Black		Black		Black		
3G0.75mm ²	3G0.75mm ²		3G0.75mm ²		3G0.75mm ²		
Brown; Blue; Yellow-Green	Brown; Blue; Yellow-Green	1	Brown; Blue; Yellow-Green		Brown; Blue; Yellow-Green		
ø6.7mm (±0.3)	ø6.7mm (±0.3)		ø6.7mm (±0.3)		ø6.7mm (±0.3)		
1m	1m		1m		1m		
Packaging							
Variable according cable length.	Variable according cable le	ength.	Variable according cal	ble length.	Variable accor	ding cable leng	gth.
Other accessories options							
See accessories section							
Notes: Connector available with different feautures: See the cable codification scheme page See the cables list section							

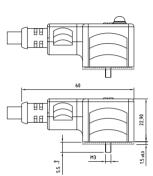


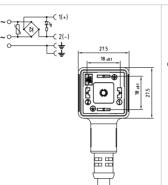
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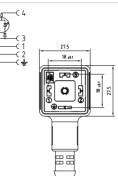
VALVE CONNECTORS

Moulded cable connectors - Form A EN175301-803(DIN43650)









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Product description	·						
Connector type	DIN valve connectors D			DIN valve connectors			
Conforms to	EN175301-803 E			EN175301-80	3		
Construction type	A			A			
Part number	CG1N02RL1C021	CG1N02RL2C02	1 CG1N02RL3C02	CG1N03Q01AB21	CG1N03Q01AE	321 CG1N03Q01AB21	
Description	Square connector CG1 seriesScomplete with gasket and fixing screw.c			Square connector CG1 series complete with gasket and fixing screw. Connector with electronic.			
Contacts spacing	18mm -			18mm			
Number of contacts	2poles + 2P.I			3poles + P.E.			
Earth positioning	H.6-12			H.6			
Housing colour	Black			Black			
Housing height	22.9mm			22.9mm			
Gasket type	Integrated NBR gasket			Integrated NBR gasket			
Technical data							
Rated voltage	24V AC	115V AC	230V AC	24V DC	115V DC	230V DC	
Circuit type	Full-Wave Bric	lge Rectifier +	Varistor + Led	Bicolour Led + no.2 Diodes (1A)			
Led colour	Red			Red (pin 2) ; Green (pin3)			
Central fixing screw	M3 L=25mm	1		M3 L=25mm			
Central fixing screw material	Iron+Zinc plat	ted		Iron+Zinc plated			
Central screw torque	0.5 N*m			0.5 N*m			
Cable type	PVC/PVC IEC3	32-1 H05VVF		PVC/PVC IEC3	32-1 H05VVF		
Cable jacket colour	Black			Black			
No.Conductors / Section	3G0.75mm ²			4G0.75mm ²			
Conductor colours	Brown; Blue; Y	/ellow-Green		Brown; Blue; Black; Yellow-Green			
Cable diameter	ø6.7mm (±0.	3)		ø7mm (±0.3)			
Cable length	1m			1m			
Packaging							
Qty/Box	Variable accor	rding cable leng	th.	Variable according cable length.			
Other accessories options							
See accessories section							
Notes: Connector available with different feautures: See the cable codification scheme page See the cables list section		Connector ava connection: Q8 circuit (Gre Q1 circuit (Yel	een pin 2; Rec	l pin 3)			

Moulded cable connectors - Form A	١
EN175301-803(DIN43650)	



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Technical drawing	• • — — C 1 • • — — C 2	• • • C 1 • • C 2	• • — — (1 • • — — (2	
Product description				
Connector type	DIN valve connectors	DIN valve connectors	DIN valve connectors	
Conforms to	EN175301-803	EN175301-803	EN175301-803	
Construction type	A	A	A	
Part number	CG5N02000C021	CG5N03000AB21	CG5N02000C161	
Description	Square connector CG5 series complete with gasket and fixing screw. Connector without electronic.	Square connector CG5 series complete with gasket and fixing screw. Connector without electronic.	Square connector CG5 series,ULapproved, complete with gasket and fixing screw. Connector without electronic.	
Contacts spacing	18mm	18mm	18mm	
Number of contacts	2poles + 2P.E.	3poles + 2P.E.	2poles + 2P.E.	
Earth positioning	H.6-12	H.6	H.6-12	
Housing colour	Black	Black	Black	
Housing height	32.9mm	32.9mm	32.9mm	
Gasket type	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket	
Technical data				
Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC	250V AC/ 300VDC	
Circuit type	-	-	-	
Led colour	-	-	-	
Central fixing screw	M3 L=35mm	M3 L=35mm	M3 L=35mm	
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated	
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m	
Cable type	PVC/PVC IEC332-1 H05VVF	PVC/PVC IEC332-1 H05VVF	PVC/PVC ULstyle21179	
Cable jacket colour	Black	Black	Black	
No.Conductors / Section	3G0.75mm ²	4G0.75mm ²	3G16AWG	
Conductor colours	Brown; Blue; Yellow-Green	Brown; Blue; Black; Yellow-Green	Brown; Blue; Yellow-Green	
Cable diameter	ø6.7mm (±0.3)	ø7mm (±0.3)	ø6.2mm (±0.3)	
Cable length	1m	1m	1m	
Packaging		1		
Qty/Box	Variable according cable length.	Variable according cable length.	Variable according cable length.	
Other accessories options				
See accessories section				
Notes: Connector available with different feauture See the cable codification scheme page See the cables list section	S:			



Moulded cable connectors - Form A EN175301-803(DIN43650)



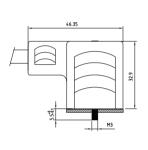
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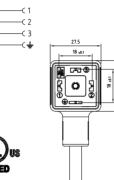
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Technical drawing

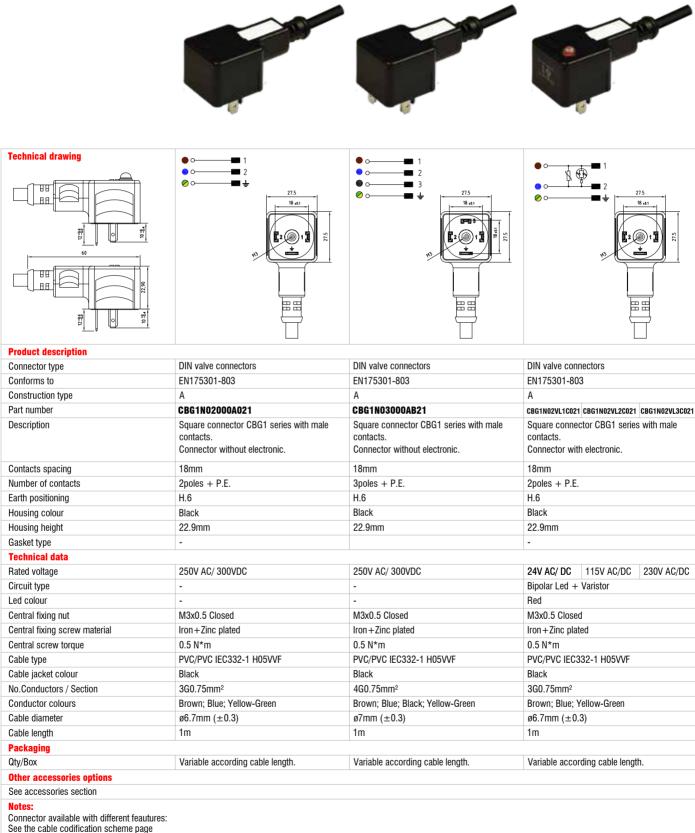




Product description DIN valve connectors Connector type EN175301-803 Conforms to Construction type А Part number CG5N03000A181-UL Description Square connector CG5 series, ULapproved, complete with gasket and fixing screw. Connector without electronic. Contacts spacing 18mm 3poles + P.E. Number of contacts H.6 Earth positioning Housing colour Black Housing height 32.9mm Integrated NBR gasket Gasket type **Technical data** 250V AC/ 300VDC Rated voltage Circuit type -Led colour Central fixing screw M3 L=35mm Central fixing screw material Iron+Zinc plated Central screw torque 0.5 N*m Cable type PVC/PVC ULstyle21179 Black Cable jacket colour 4G16AWG No.Conductors / Section Conductor colours Brown; Blue; Black; Yellow-Green Cable diameter ø6.5mm (±0.3) Cable length 1m Packaging Qty/Box Variable according cable length. Other accessories options See accessories section Notes: Connector available with different feautures: See the cable codification scheme page See the cables list section

Moulded cable connectors - Form A EN175301-803(DIN43650)







Moulded cable connectors - Form A EN175301-803(DIN43650)

Technical drawing	• o 1
<u>20</u> <u>30</u>	
Product description Connector type	DIN valve connectors
Conforms to	EN175301-803
Construction type	A
Part number	CBGBN02000A021
Description	Square connector CBGB1 (TOP EXIT) series with male contacts. Connector without electronic.
Contacts spacing	18mm
Number of contacts	2poles + P.E.
Earth positioning	H.6
Housing colour	Black
Housing height	20mm
Gasket type	-
Technical data	2501/ 40/ 2001/00
Rated voltage Circuit type	250V AC/ 300VDC
Led colour	-
Central fixing nut	M3x0.5
Central fixing screw material	Iron+Zinc plated
Central screw torque	0.5 N*m
Cable type	PVC/PVC IEC332-1 H05VVF
Cable jacket colour	Black
No.Conductors / Section	3G0.75mm ²
Conductor colours	Brown; Blue; Yellow-Green
Cable diameter	ø6.7mm (±0.3)
Cable length	1m
Packaging Qty/Box	Variable according cable length.
Other accessories options	- anabio according oublo foligui.
See accessories section	
Notes: Connector available with different feauture: See the cable codification scheme page See the cables list section	S:

Moulded cable connectors - Form A EN175301-803(DIN43650)



Technical drawing	• • •(1	• •(1			
Product description					
Connector type	DIN valve connectors	DIN valve connectors	DIN valve connectors		
Conforms to	EN175301-803	EN175301-803	EN175301-803		
Construction type Part number	A CGBN02000C021	A CGBN03000AB21	A CGBN02VL1C021 CGBN02VL2C021 CGBN02VL3C02		
Description	Square connector CGB series (TOP exit DIN connector) complete with gasket and fixing screw. Connector without electronic.	Square connector CGB series (TOP exit DIN connector) complete with gasket and fixing screw. Connector without electronic.	Square connector CGB series (TOP exit DIN connector) complete with gasket and fixing screw. Connector with electronic.		
Contacts spacing	18mm	18mm	18mm		
Number of contacts	2poles + 2P.E.	3poles + P.E.	2poles + 2P.E.		
Earth positioning	H.6-12	H.6	H.6-12		
Housing colour	Black	Black	Black		
Housing height	20mm	20mm	20mm		
Gasket type	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket		
Technical data					
Rated voltage Circuit type	250V AC/ 300VDC	250V AC/ 300VDC	24V AC/ DC115V AC/DC230V AC/DCBipolar Led + Varistor		
Led colour	-	- -	Red		
Central fixing screw	- M3 L=22.5mm	- M3 L=22.5mm	M3 L=22.5mm		
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated		
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m		
Cable type	PVC/PVC IEC332-1 H05VVF	PVC/PVC IEC332-1 H05VVF	PVC/PVC IEC332-1 H05VVF		
Cable jacket colour	Black	Black	Black		
No.Conductors / Section	3G0.75mm ²	4G0.75mm ²	3G0.75mm ²		
Conductor colours	Brown; Blue; Yellow-Green	Brown; Blue; Black; Yellow-Green	Brown; Blue; Yellow-Green		
Cable diameter	ø6.7mm (±0.3)	ø7mm (±0.3)	ø6.7mm (±0.3)		
Cable length	1m	1m	1m		
Packaging Oty/Poy	Variable apporting cable leasth	Variable according cable longth	Variable according cable longth		
Qty/Box	Variable according cable length.	Variable according cable length.	Variable according cable length.		
Other accessories options See accessories section					
Notes: Connector available with different feautures: See the cable codification scheme page See the cables list section					



Moulded cable connectors - Form B - Industrial

Technical drawing			
Product description			
Connector type	DIN valve connectors	DIN valve connectors	DIN valve connectors
Conforms to	Industrial	Industrial	Industrial
Construction type	В	В	В
Part number	CM1N02000C021	CM1N02D03C021	CM1N02L01C021 CM1N02L02C021 CM1N02L03C021
Description	Rectangular connector CM1 series complete with gasket and fixing screw. Connector without electronic.	Rectangular connector CM1 series complete with gasket and fixing screw. Connector with electronic.	Rectangular connector CM1 series complete with gasket and fixing screw. Connector with electronic.
	11mm	11mm	11mm
Contacts spacing	1 111011		
Contacts spacing Number of contacts	2poles + 2P.E.	2poles + 2P.E.	2poles + 2P.E.
			2poles + 2P.E. H.6-12
Number of contacts	2poles + 2P.E.	2poles + 2P.E.	
Number of contacts Earth positioning	2poles + 2P.E. H.6-12	2poles + 2P.E. H.6-12	H.6-12
Number of contacts Earth positioning Housing colour	2poles + 2P.E. H.6-12 Black	2poles + 2P.E. H.6-12 Black	H.6-12 Black
Number of contacts Earth positioning Housing colour Housing height Gasket type Technical data	2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket	2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket	H.6-12 Black 22.9mm Integrated NBR gasket
Number of contacts Earth positioning Housing colour Housing height Gasket type Technical data Rated voltage	2poles + 2P.E. H.6-12 Black 22.9mm	2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 1-230V DC	H.6-12 Black 22.9mm Integrated NBR gasket 24V AC/ DC 115V AC/DC 230V AC/DC
Number of contacts Earth positioning Housing colour Housing height Gasket type Technical data Rated voltage Circuit type	2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket	2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket	H.6-12 Black 22.9mm Integrated NBR gasket 24V AC/ DC 115V AC/DC 230V AC/DC Bipolar Led
Number of contacts Earth positioning Housing colour Housing height Gasket type Technical data Rated voltage Circuit type Led colour	2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 250V AC/ 300VDC - -	2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 	H.6-12 Black 22.9mm Integrated NBR gasket 24V AC/ DC 115V AC/DC 230V AC/DC Bipolar Led Red
Number of contacts Earth positioning Housing colour Housing height Gasket type Technical data Rated voltage Circuit type Led colour Central fixing screw	2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 250V AC/ 300VDC - - - M3 L=25mm	2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 	H.6-12 Black 22.9mm Integrated NBR gasket 24V AC/ DC 115V AC/DC 230V AC/DC Bipolar Led Red M3 L=25mm
Number of contacts Earth positioning Housing colour Housing height Gasket type Technical data Rated voltage Circuit type Led colour Central fixing screw Central fixing screw material	2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 250V AC/ 300VDC - - M3 L=25mm Iron+Zinc plated	2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 	H.6-12 Black 22.9mm Integrated NBR gasket 24V AC/ DC 115V AC/DC 230V AC/DC Bipolar Led Red M3 L=25mm Iron + Zinc plated
Number of contacts Earth positioning Housing colour Housing height Gasket type Technical data Rated voltage Circuit type Led colour Central fixing screw Central fixing screw material Central screw torque	2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 250V AC/ 300VDC - - M3 L=25mm Iron+Zinc plated 0.5 N*m	2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 	H.6-12 Black 22.9mm Integrated NBR gasket 24V AC/ DC 115V AC/DC 230V AC/DC Bipolar Led Red M3 L=25mm Iron +Zinc plated 0.5 N*m
Number of contacts Earth positioning Housing colour Housing height Gasket type Technical data Rated voltage Circuit type Led colour Central fixing screw Central fixing screw material Central screw torque Cable type	2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 250V AC/ 300VDC - M3 L=25mm Iron + Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF	2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 1-230V DC Diode(1A) - M3 L=25mm Iron+Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF	H.6-12 Black 22.9mm Integrated NBR gasket 24V AC/ DC 115V AC/DC 230V AC/DC Bipolar Led Red M3 L=25mm Iron +Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF
Number of contacts Earth positioning Housing colour Housing height Gasket type Technical data Rated voltage Circuit type Led colour Central fixing screw Central fixing screw material Central screw torque Cable type Cable jacket colour	2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket - 250V AC/ 300VDC - - M3 L=25mm Iron+Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF Black	2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 1-230V DC Diode(1A) - M3 L=25mm Iron+Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF Black	H.6-12 Black 22.9mm Integrated NBR gasket 24V AC/ DC 115V AC/DC 230V AC/DC Bipolar Led Red M3 L=25mm Iron +Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF Black
Number of contacts Earth positioning Housing colour Housing height Gasket type Technical data Rated voltage Circuit type Led colour Central fixing screw Central fixing screw material Central screw torque Cable type Cable jacket colour No.Conductors / Section	2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 250V AC/ 300VDC - - M3 L=25mm Iron + Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF Black 3G0.75mm ²	2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 1-230V DC Diode(1A) - M3 L=25mm Iron+Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF Black 3G0.75mm ²	H.6-12 Black 22.9mm Integrated NBR gasket 24V AC/ DC 115V AC/DC 230V AC/DC Bipolar Led Red M3 L=25mm Iron +Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF Black 3G0.75mm ²
Number of contacts Earth positioning Housing colour Housing height Gasket type Technical data Rated voltage Circuit type Led colour Central fixing screw Central fixing screw material Central screw torque Cable type Cable jacket colour No.Conductors / Section Conductor colours	2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 250V AC/ 300VDC - M3 L=25mm Iron+Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF Black 3G0.75mm² Brown; Blue; Yellow-Green	2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket	H.6-12 Black 22.9mm Integrated NBR gasket 24V AC/ DC 115V AC/DC 230V AC/DC Bipolar Led Red M3 L=25mm Iron +Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF Black 3G0.75mm ² Brown; Blue; Yellow-Green
Number of contacts Earth positioning Housing colour Housing height Gasket type Technical data Rated voltage Circuit type Led colour Central fixing screw Central fixing screw material Central screw torque Cable type Cable jacket colour No.Conductors / Section Conductor colours Cable diameter	2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 250V AC/ 300VDC - - M3 L=25mm Iron+Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF Black 3G0.75mm² Brown; Blue; Yellow-Green Ø6.7mm (±0.3)	2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 1-230V DC Diode(1A) - M3 L=25mm Iron+Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF Black 3G0.75mm ² Brown; Blue; Yellow-Green Ø6.7mm (±0.3)	H.6-12 Black 22.9mm Integrated NBR gasket 24V AC/ DC 115V AC/DC 230V AC/DC Bipolar Led Red M3 L=25mm Iron +Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF Black 3G0.75mm ² Brown; Blue; Yellow-Green Ø6.7mm (±0.3)
Number of contacts Earth positioning Housing colour Housing height Gasket type Technical data Rated voltage Circuit type Led colour Central fixing screw Central fixing screw material Central screw torque Cable type Cable jacket colour No.Conductors / Section Conductor colours Cable diameter Cable length	2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 250V AC/ 300VDC - M3 L=25mm Iron+Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF Black 3G0.75mm² Brown; Blue; Yellow-Green	2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket	H.6-12 Black 22.9mm Integrated NBR gasket 24V AC/ DC 115V AC/DC 230V AC/DC Bipolar Led Red M3 L=25mm Iron +Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF Black 3G0.75mm ² Brown; Blue; Yellow-Green
Number of contacts Earth positioning Housing colour Housing height Gasket type Technical data Rated voltage Circuit type Led colour Central fixing screw Central fixing screw material Central screw torque Cable type Cable jacket colour No.Conductors / Section Conductor colours Cable diameter Cable length Packaging	2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 250V AC/ 300VDC - - M3 L=25mm Iron+Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF Black 3G0.75mm² Brown; Blue; Yellow-Green Ø6.7mm (±0.3)	2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 1-230V DC Diode(1A) - M3 L=25mm Iron+Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF Black 3G0.75mm ² Brown; Blue; Yellow-Green Ø6.7mm (±0.3)	H.6-12 Black 22.9mm Integrated NBR gasket 24V AC/ DC 115V AC/DC 230V AC/DC Bipolar Led Red M3 L=25mm Iron +Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF Black 3G0.75mm ² Brown; Blue; Yellow-Green Ø6.7mm (±0.3)
Number of contacts Earth positioning Housing colour Housing height Gasket type Technical data Rated voltage Circuit type Led colour Central fixing screw Central fixing screw material Central screw torque Cable type Cable jacket colour No.Conductors / Section Conductor colours Cable diameter Cable length	2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 250V AC/ 300VDC - - M3 L=25mm Iron+Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF Black 3G0.75mm² Brown; Blue; Yellow-Green ø6.7mm (±0.3) 1m	2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 1-230V DC Diode(1A) - M3 L=25mm Iron+Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF Black 3G0.75mm ² Brown; Blue; Yellow-Green Ø6.7mm (±0.3) 1m	H.6-12 Black 22.9mm Integrated NBR gasket 24V AC/ DC 115V AC/DC 230V AC/DC Bipolar Led Red M3 L=25mm Iron + Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF Black 3G0.75mm ² Brown; Blue; Yellow-Green Ø6.7mm (±0.3) 1m
Number of contacts Earth positioning Housing colour Housing height Gasket type Technical data Rated voltage Circuit type Led colour Central fixing screw Central fixing screw material Central screw torque Cable type Cable jacket colour No.Conductors / Section Conductor colours Cable diameter Cable length Packaging Qty/Box	2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 250V AC/ 300VDC - - M3 L=25mm Iron+Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF Black 3G0.75mm² Brown; Blue; Yellow-Green ø6.7mm (±0.3) 1m	2poles + 2P.E. H.6-12 Black 22.9mm Integrated NBR gasket 1-230V DC Diode(1A) - M3 L=25mm Iron+Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF Black 3G0.75mm ² Brown; Blue; Yellow-Green Ø6.7mm (±0.3) 1m	H.6-12 Black 22.9mm Integrated NBR gasket 24V AC/ DC 115V AC/DC 230V AC/DC Bipolar Led Red M3 L=25mm Iron + Zinc plated 0.5 N*m PVC/PVC IEC332-1 H05VVF Black 3G0.75mm ² Brown; Blue; Yellow-Green Ø6.7mm (±0.3) 1m

Connector available with different feautures: See the cable codification scheme page See the cables list section

W ® HIGH TECH PRODUCTS S.R.L.

		with overmoulding case	with overmoulding case	
Product description DIN valve connectors	DIN valve connectors	DIN valva connectors	DIN valve connectors	
		DIN valve connectors Industrial		
Industrial B	Industrial B	B	Industrial B	
	CM1N02VL1C021 CM1N02VL2C021 CM1N02VL3C021			
		Rectangular connector CM1 series	CM1N02RL1C021 CM1N02RL2C021 CM1N02RL3C021	
Rectangular connector CM1 series complete with gasket and fixing screw. Connector with electronic.	Rectangular connector CM1 series complete with gasket and fixing screw. Connector with electronic.	complete with gasket and fixing screw. Connector with electronic.	Rectangular connector CM1 series complete with gasket and fixing screw. Connector with electronic.	
11mm	11mm	11mm	11mm	
2poles + 2P.E.	2poles + 2P.E.	2poles + 2P.E.	2poles + 2P.E.	
H.6-12	H.6-12	H.6-12	H.6-12	
Black	Black	Black	Black	
22.9mm	22.9mm	22.9mm	22.9mm	
Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket	
Technical data				
24V DC 115V DC 230V DC	24V AC/ DC 115V AC/DC 230V AC/DC	1-230V AC	24V AC 115V AC 230V AC	
Led + Diode(1A)	Bipolar Led + Varistor	Full-Wave Bridge Rectifier	Full-Wave Bridge Rectifier + Varistor + Led	
Red	Red	-	Red	
M3 L=25mm	M3 L=25mm	M3 L=25mm	M3 L=25mm	
Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated	
0.5 N*m	0.5 N*m	0.5 N*m	0.5 N*m	
PVC/PVC IEC332-1 H05VVF	PVC/PVC IEC332-1 H05VVF	PVC/PVC IEC332-1 H05VVF	PVC/PVC IEC332-1 H05VVF	
Black	Black	Black	Black	
3G0.75mm ²	3G0.75mm ²	3G0.75mm ²	3G0.75mm ²	
Brown; Blue; Yellow-Green	Brown; Blue; Yellow-Green	Brown; Blue; Yellow-Green	Brown; Blue; Yellow-Green	
ø6.7mm (±0.3)	ø6.7mm (±0.3)	ø6.7mm (±0.3)	ø6.7mm (±0.3)	
1m	1m	1m	1m	
Packaging				
Qty/Box	Variable according cable length.	Variable according cable length.	Variable according cable length.	
Other accessories options			· · · · ·	
See accessories section Notes: Connector available with different feautures: See the cable codification scheme page See the cables list section				
			63	

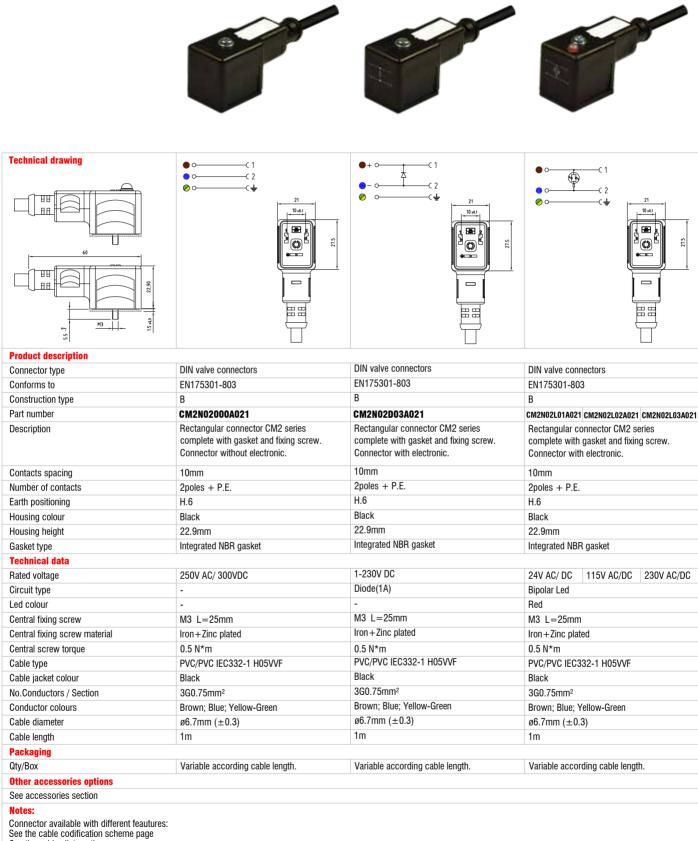


Moulded cable connectors - Form B - Industrial

	23				
Technical drawing	• o(1				
Product description		1			
Connector type	DIN valve connectors	DIN valve connectors	DIN valve connectors		
Conforms to	Industrial	Industrial	Industrial		
Construction type	В	В	В		
Part number	CM1BN02000B021	CM1BN02DL1B021 CM1BN02DL2B021 CM1BN02DL3B021	CM1BN02VL1B021 CM1BN02VL2B021 CM1BN02VL3B02		
Description	Rectangular connector CM1B series (TOP exit DIN connector) complete with gasket and fixing screw. Connector without electronic.	Rectangular connector CM1B series (TOP exit DIN connector) complete with gasket and fixing screw. Connector with electronic.	Rectangular connector CM1B series (TOP exi DIN connector) complete with gasket and fixing screw. Connector with electronic.		
Contacts spacing	11mm	11mm	11mm		
Number of contacts	2poles + P.E.	2poles + P.E.	2poles + P.E.		
Earth positioning	H.12	H.12	H.12		
Housing colour	Black	Black	Black		
Housing height	21.5mm	21.5mm	21.5mm		
Gasket type	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket		
Technical data	. .	с с			
Rated voltage	250V AC/ 300VDC	24V DC 115V DC 230V DC	24V AC/ DC 115V AC/DC 230V AC/DC		
Circuit type		Led + Diode(1A)	Bipolar Led + Varistor		
Led colour	-	Red	Red		
Central fixing screw	M3 L=26mm	M3 L=26mm	M3 L=26mm		
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated		
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m		
Cable type	PVC/PVC IEC332-1 H05VVF	PVC/PVC IEC332-1 H05VVF	PVC/PVC IEC332-1 H05VVF		
Cable jacket colour	Black	Black	Black		
No.Conductors / Section	3G0.75mm ²	3G0.75mm ²	3G0.75mm ²		
Conductor colours	Brown; Blue; Yellow-Green	Brown; Blue; Yellow-Green	Brown; Blue; Yellow-Green		
Cable diameter	ø6.7mm (±0.3)	ø6.7mm (±0.3)	ø6.7mm (±0.3)		
Cable length	1m	1m	1m		
Packaging					
Qty/Box	Variable according cable length.	Variable according cable length.	Variable according cable length.		
Other accessories options	variable decording cable length.	· anabio aboording bable longin.	variable according cubic longin.		
See accessories section					
Notes:					
Connector available with different feautures See the cable codification scheme page	S.				

Moulded cable connectors - F	orm	В
EN175301-803(DIN43650)		

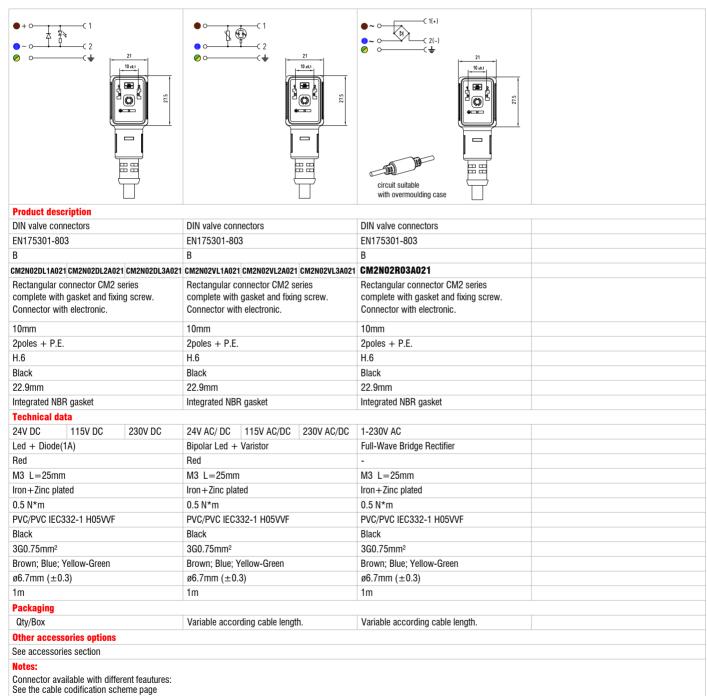






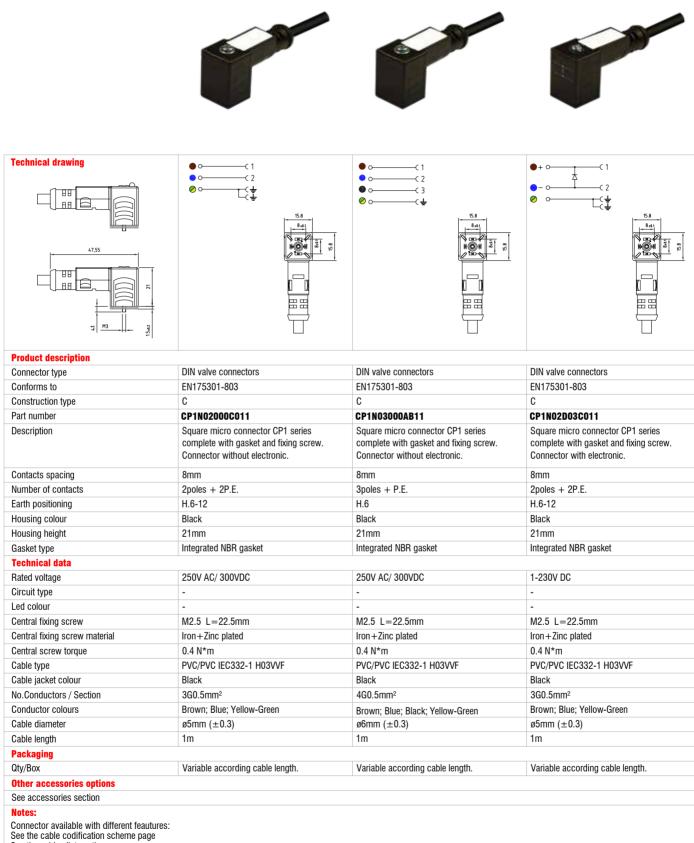
Moulded cable connectors - Form B EN175301-803(DIN43650)





Moulded cable connectors - I	Form	С
EN175301-803(DIN43650)		

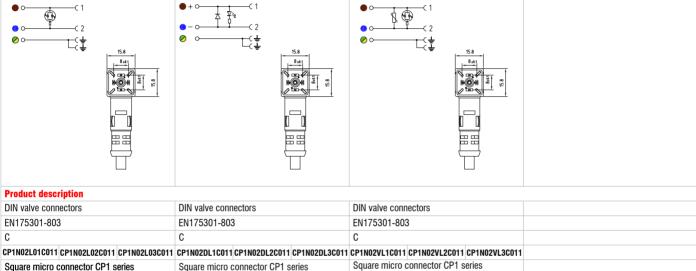






Moulded cable connectors - Form C EN175301-803(DIN43650)





CP1N02L01C011 CP1N02L02C011	CP1N02L03C011	CP1N02DL1C01	1 CP1N02DL2C01	1 CP1N02DL3C011	CP1N02VL1C011	CP1N02VL2C01	CP1N02VL3C011		
complete with gasket and fixing screw.		Square micro connector CP1 series complete with gasket and fixing screw. Connector with electronic.							
8mm		8mm			8mm				
2poles + 2P.E.		2poles + 2P.E			2poles + 2P.I				
H.6-12		H.6-12			H.6-12				
Black		Black			Black				
21mm		21mm			21mm				
Integrated NBR gasket		Integrated NBF	R gasket		Integrated NB	R gasket			
Technical data									
24V AC/ DC 115V AC/DC	230V AC/DC	24V DC	115V DC	230V DC	24V AC/ DC	115V AC/DC	230V AC/DC		
Bipolar Led		Led + Diode(1A)		Bipolar Led + Varistor				
Red		Red			Red				
M2.5 L=22.5mm		M2.5 L=22.5mm		M2.5 L=22.5mm					
Iron+Zinc plated		Iron+Zinc plat	ted		Iron+Zinc plated				
0.4 N/m		0.4 N/m			0.4 N/m				
PVC/PVC IEC332-1 H03VVF		PVC/PVC IEC3	32-1 H03VVF		PVC/PVC IEC332-1 H03VVF				
Black		Black			Black				
3G0.5mm ²		3G0.5mm ²			3G0.5mm ²				
Brown; Blue; Yellow-Green		Brown; Blue; Y	/ellow-Green		Brown; Blue; Yellow-Green				
ø5mm (±0.3)		ø5mm (±0.3)			ø5mm (±0.3)				
1m		1m			1m				
Packaging									
Variable according cable lengt	h.	Variable accor	rding cable leng	th.	Variable accor	rding cable leng	h.		
Other accessories options									
See accessories section									
Notes:									

Connector available with different feautures: See the cable codification scheme page See the cables list section



Moulded cable connectors - Form C - Industrial

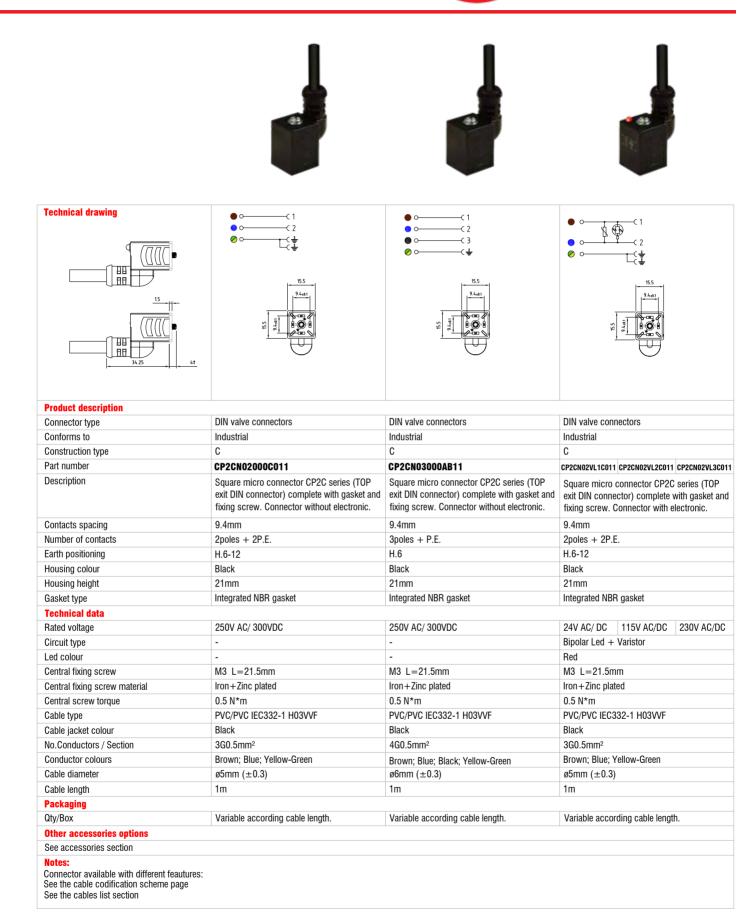
			a a
lechnical drawing	• •	• • • • • • • • • • • • • • • • • • •	•+ •C 1
Product description			
Connector type	DIN valve connectors	DIN valve connectors	DIN valve connectors
Conforms to	Industrial	Industrial	Industrial
Construction type	C	C	C
Part number	CP2N02000C011	CP2N03000AB11	CP2N02D03C011
Description	Square micro connector CP2 series complete with gasket and fixing screw. Connector without electronic.	Square micro connector CP2 series complete with gasket and fixing screw. Connector without electronic.	Square micro connector CP2 series complete with gasket and fixing screw. Connector with electronic.
Contacts spacing	9.4mm	9.4mm	9.4mm
Number of contacts	2poles + 2P.E.	3poles + P.E.	2poles + 2P.E.
Earth positioning	H.6-12	H.6	H.6-12
lousing colour	Black	Black	Black
lousing height	21mm	21mm	21mm
Gasket type	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket
Fechnical data			
Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC	1-230V DC
Circuit type	-	-	-
_ed colour	-	-	-
Central fixing screw	M3 L=22.5mm	M3 L=22.5mm	M3 L=22.5mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m
Cable type	PVC/PVC IEC332-1 H03VVF	PVC/PVC IEC332-1 H03VVF	PVC/PVC IEC332-1 H03VVF
Cable jacket colour	Black	Black	Black
No.Conductors / Section	3G0.5mm ²	4G0.5mm ²	3G0.5mm ²
Conductor colours	Brown; Blue; Yellow-Green	Brown; Blue; Black; Yellow-Green	Brown; Blue; Yellow-Green
Cable diameter	ø5mm (±0.3)	ø6mm (±0.3)	ø5mm (±0.3)
Cable length	1m	1m	1m
Packaging	Manipha and and the local	Mariable according a 11 to 11	Madala and a solution of
Qty/Box	Variable according cable length.	Variable according cable length.	Variable according cable length.
Other accessories options See accessories section			
Notes:			



Moulded cable connectors - Form C - Industrial

	•+ ····································			
Product description				
DIN valve connectors Industrial	DIN valve connectors Industrial	DIN valve connectors Industrial		
C	C	C		
	CP1N02DL1C011 CP1N02DL2C011 CP1N02DL3C011			
Square micro connector CP2 series complete with gasket and fixing screw. Connector without electronic.	Square micro connector CP2 series complete with gasket and fixing screw. Connector without electronic.	Square micro connector CP2 series complete with gasket and fixing screw. Connector without electronic.		
9.4mm	9.4mm	9.4mm		
2poles + 2P.E.	2poles + 2P.E.	2poles + 2P.E.		
H.6-12	H.6-12	H.6-12		
Black	Black	Black		
21mm	21mm	21mm		
Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket		
Technical data24V AC/ DC115V AC/DC230V AC/DC	24V DC 115V DC 230V DC	24V AC/ DC 115V AC/DC 230V AC/DC		
Bipolar Led	Led + Diode(1A)	Bipolar Led + Varistor		
Red	Red	Red		
M3 L=22.5mm	M3 L=22.5mm	M3 L=22.5mm		
Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated		
0.5 N*m	0.5 N*m	0.5 N*m		
PVC/PVC IEC332-1 H03VVF	PVC/PVC IEC332-1 H03VVF	PVC/PVC IEC332-1 H03VVF		
Black 3G0.5mm ²	Black 3G0.5mm ²	Black 3G0.5mm ²		
Brown; Blue; Yellow-Green	Brown; Blue; Yellow-Green	Brown; Blue; Yellow-Green		
ø5mm (±0.3)	ø5mm (±0.3)	ø5mm (±0.3)		
1m	1m	1m		
Packaging	1			
Variable according cable length.	Variable according cable length.	Variable according cable length.		
Other accessories options				
See accessories section				
Notes: Connector available with different feautures: See the cable codification scheme page See the cables list section				

Moulded cable connectors - Form C - Industrial





Bases - General features and codification scheme

• GENERAL FEATURES:

Conductor cross section : BG series: Max. 1.00mm²(19AWG). BM series: Max. 1.00mm²(19AWG). BP series: Max. 0.75mm² (18AWG).

Fixing system : Central fixing screw.

Max- screw torque IEC60947-1 (Central fixing nut) : BG series - BM1seried - BP2 series: Max. 0.5 N * m. BP1 series: Max. 0.4 N * m.

Type of terminations :

To Solder.

Contact material and treatment : Brass + Silver plated.

Base material :

PA66.

Flammability resistance : UL94-V2 - Standard. UL94-V0 - UL approved (upon request).

Protection class : IP 65 coupled.

Operating temperature :

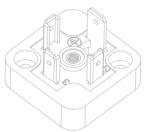
-40°C +90°C Standard base -40°C +65°C UL approved base (-UL) -40°C +90°C UL approved base (-UL90) -40°C +90°C with NBR gasket. -40°C +125°C with Silicone gasket.

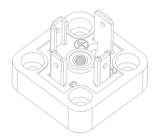
Nominal current : 10A (BP1-BP2 series: 6A).

Max contact current :

16A (BP1-BP2 series: 10A).

	BG1	Ν	0	2	00	0	-	##
SERIES BG0 : SQUARE EN175301-803 BASE form WITH No. 4 FXING HOLES. BG1 : SQUARE EN175301-803 BASE form WITH No. 4 FXING HOLES. BG4 : SQUARE EN175301-803 BASE form WITH No. 4 FXING HOLES. BG5 : SQUARE EN175301-803 BASE form WITH No. 4 FXING HOLES. BG5 : SQUARE EN175301-803 BASE form WITH No. 2 FXING HOLES. BG7 : CIRCULAR EN175301-803 form A (18 FOR CYLINDERS #80mm. BG10 : SQUARE EN175301-803 form A (18 FOR CYLINDERS #00mm. BG18 : SQUARE EN175301-803 form A (11 FOR CYLINDERS #160mm. BG33 : SQUARE EN175301-803 form A (11 FOR CYLINDERS #33mm. BG42 : SQUARE EN175301-803 form A (11 FOR CYLINDERS #33mm. BG42 : SQUARE EN175301-803 form A (11 FOR CYLINDERS #33mm. BG7 : CIRCULAR EN175301-803 form A (11 FOR CYLINDERS #33mm. BG82 : SQUARE EN175301-803 form A (11 FOR CYLINDERS #301-803 form A (11 FOR CYLINDERS #300 form A (11 FOR CYLINDERS #300 form A (11 FOR CYLINDERS #300	A (18mm) A (18mm) AR PART ø22mi A (18mm) 8mm) ø27mm. mm) SUITABLE 3mm) SUITABLE 3mm) SUITABLE 3mm) SUITABLE 3mm) SUITABLE 18mm) SUITABLE 18mm) SUITABLE 18mm) SUITABLE 18mm) WITABLE (11mm) a C (8mm) (9.4mm) WITH RANSPARENT.	: : :						
2 : 2POLES + EARTH. 3 : 3POLES + EAF CIRCUIT TYPE 00 : WITHOUT ELECTRONIC.								
VOLTAGE 0 : 250V / 300V.								
SOME VARIABLES								





UL : UL APPROVED +65°C. UL90: UL APPROVED +90°C PG11 : BGR SERIES WITH ADAPTER FROM M27 TO PG11. PG13.5 : BGR SERIES WITH ADAPTER FROM M27 TO PG13.5.

M20 : BGR SERIES WITH ADAPTER FROM M27 TO M20X1.5. 1/2" NPTF : BGR SERIES WITH ADAPTER FROM M27 TO 1/2" NPTF.

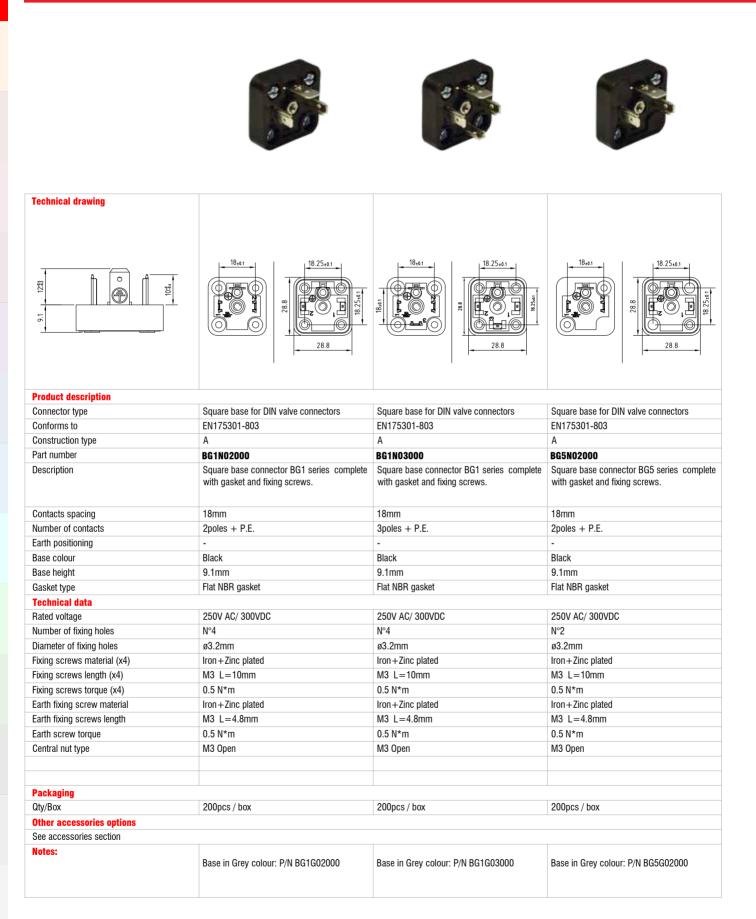






Technical drawing			
Product description			
Connector type	Square base for DIN valve connectors	Square base for DIN valve connectors	
Conforms to	EN175301-803	EN175301-803	
Construction type	A	A	
Part number	BGON02000	BGON03000	
Description	Square base connector BG0 series complete with gasket and fixing screws.	Square base connector BG0 series comple with gasket and fixing screws.	
Contacts spacing	18mm	18mm	
Number of contacts	2poles + P.E.	3poles + P.E.	
Earth positioning	-	-	
Base colour	Black	Black	
Base height	5.5mm	5.5mm	
Gasket type	Flat NBR gasket	Flat NBR gasket	
Technical data	-	-	
Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC	
Number of fixing holes	N°4	N°4	
Diameter of fixing holes	ø3.2mm	ø3.2mm	
Fixing screws material (x4)	Iron+Zinc plated	Iron+Zinc plated	
Fixing screws length (x4)	M3 L=7.3mm	M3 L=7.3mm	
Fixing screws torque (x4)	0.5 N*m	0.5 N*m	
Earth fixing screw material	•	-	
Earth fixing screws length	-	-	
Earth screw torque	-	-	
Central nut type	M3 Closed	- M3 Closed	
Packaging	200 //		
Qty/Box	200pcs / box	200pcs / box	
Other accessories options			
See accessories section			
Notes:	Base in Grey colour: P/N BG0G02000	Base in Grey colour: P/N BG0G03000	





Bases Form A - EN175301-803(DIN43650)

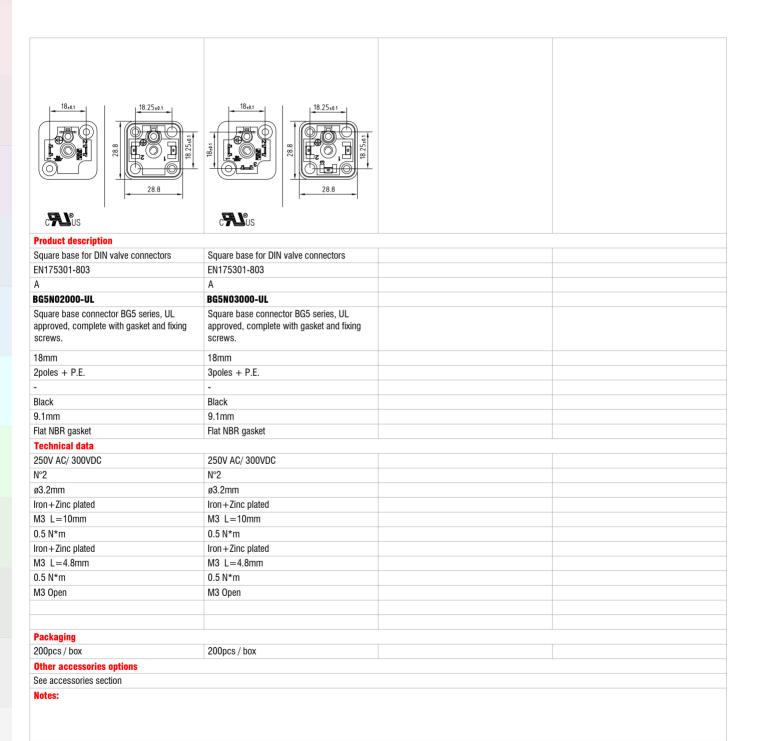












Bases Form A - EN175301-803(DIN43650)







Technical drawing			
	18:0.1 20:5:48 22:48	18±0.1 20±0.1 22±2±84	
Product description			
Connector type	Square base for DIN valve connectors	Square base for DIN valve connectors	
Conforms to	EN175301-803	EN175301-803	
Construction type	Α	А	
Part number	BG4N02000	BG4N03000	
Description	Square base connector BG4 series complete with gasket and fixing screws.	Square base connector BG4 series compl with gasket and fixing screws.	
Contacts spacing	18mm	18mm	
Number of contacts	2poles + P.E.	3poles + P.E.	
Earth positioning	-	-	
Base colour	Black	Black	
Base height	9.5mm	9.5mm	
Gasket type	Flat NBR gasket	Flat NBR gasket	
Technical data			
Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC	
Number of fixing holes	N°4	N°4	
Diameter of fixing holes	ø3.2mm	ø3.2mm	
Fixing screws material (x4)	Iron+Zinc plated	Iron+Zinc plated	
Fixing screws length (x4)	M3 L=7.3mm	M3 L=7.3mm	
Fixing screws torque (x4)	0.5 N*m	0.5 N*m	
Earth fixing screw material	•	-	
Earth fixing screws length	-	-	
Earth screw torque	-	-	
Central nut type	M3 Hexagonal closed	M3 Hexagonal closed	
Packaging			
Qty/Box	200pcs / box	200pcs / box	
Other accessories options			
See accessories section			
Notes:	Base in Grey colour: P/N BG4G02000	Base in Grey colour: P/N BG4G03000	



Technical drawing 0 12:55 10 ٢ 5.2 24:81 **Product description** Connector type Circular base for DIN valve connectors Circular base for DIN valve connectors EN175301-803 EN175301-803 Conforms to Construction type А А Part number **BG7N02000** BG7N03000 Description Circular base connector BG7 series without Circular base connector BG7 series without gasket and fixing screws. gasket and fixing screws. Contacts spacing 18mm 18mm Number of contacts 2poles + P.E. 3poles + P.E. Earth positioning Black Black Base colour 5.2mm 5.2mm Base height Gasket type -**Technical data** 250V AC/ 300VDC 250V AC/ 300VDC Rated voltage Number of fixing holes --Diameter of fixing holes -_ Fixing screws material -_ Fixing screws length -Fixing screws torque -Earth fixing screw material _ Earth fixing screws length _ Earth screw torque Central nut type M3 Closed M3 Closed Packaging 200pcs / box 200pcs / box Qty/Box Other accessories options See accessories section Notes: Base in Grey colour: P/N BG7G02000 Base in Grey colour: P/N BG7G03000

Bases Form A - EN175301-803(DIN43650)





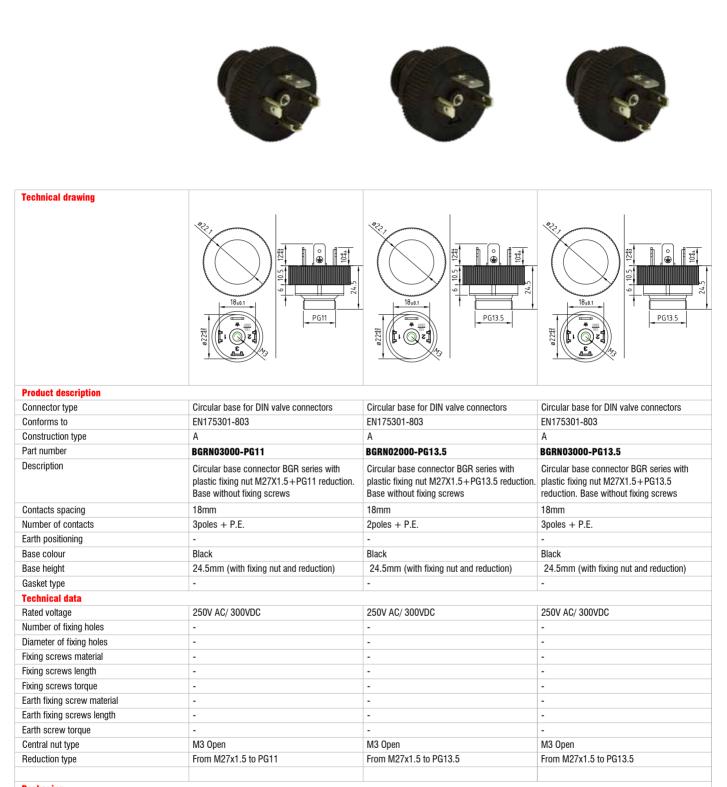




Technical drawing				
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Product description				
Connector type	Circular base for DIN valve connectors	Circular base for DIN valve connectors	Circular base for DIN valve connectors	
Conforms to	EN175301-803	EN175301-803	EN175301-803	
Construction type	А	Α	Α	
Part number	BGRN02000	BGRN03000	BGRN02000-PG11	
Description	Circular base connector BGR series with	Circular base connector BGR series with	Circular base connector BGR series with	
	plastic fixing nut M27X1.5. Base without fixing screws	plastic fixing nut M27X1.5. Base without fixing screws	plastic fixing nut M27X1.5+PG11 reduction. Base without fixing screws	
		-		
Contacts spacing	18mm	18mm	18mm	
Number of contacts	2poles + P.E.	3poles + P.E.	2poles + P.E.	
Earth positioning	-	-	-	
Base colour	Black	Black	Black	
Base height	10.5mm (with plastic fixing nut)	10.5mm (with plastic fixing nut)	24.5mm (with fixing nut and reduction)	
Gasket type Technical data	-	-	•	
Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC	250V AC/ 300VDC	
Number of fixing holes	-	-	-	
Diameter of fixing holes	-			
Fixing screws material	-	-	_	
Fixing screws length		-	-	
Fixing screws torque	-	-	•	
Earth fixing screw material			-	
Earth fixing screws length	-	-	•	
Earth screw torque	-	-	•	
Central nut type	M3 Open	M3 Open	M3 Open	
Reduction type	-	-	From M27x1.5 to PG11	
Packaging				
Qty/Box	200pcs / box	200pcs / box	200pcs / box	
Other accessories options				
See accessories section				
Notes:				
	Base in Grey colour: P/N BGRG02000	Base in Grey colour: P/N BGRG03000		



Bases Form A - EN175301-803(DIN43650)



200pcs / box

200pcs / box

Packaging Qty/Box

Other accessories options

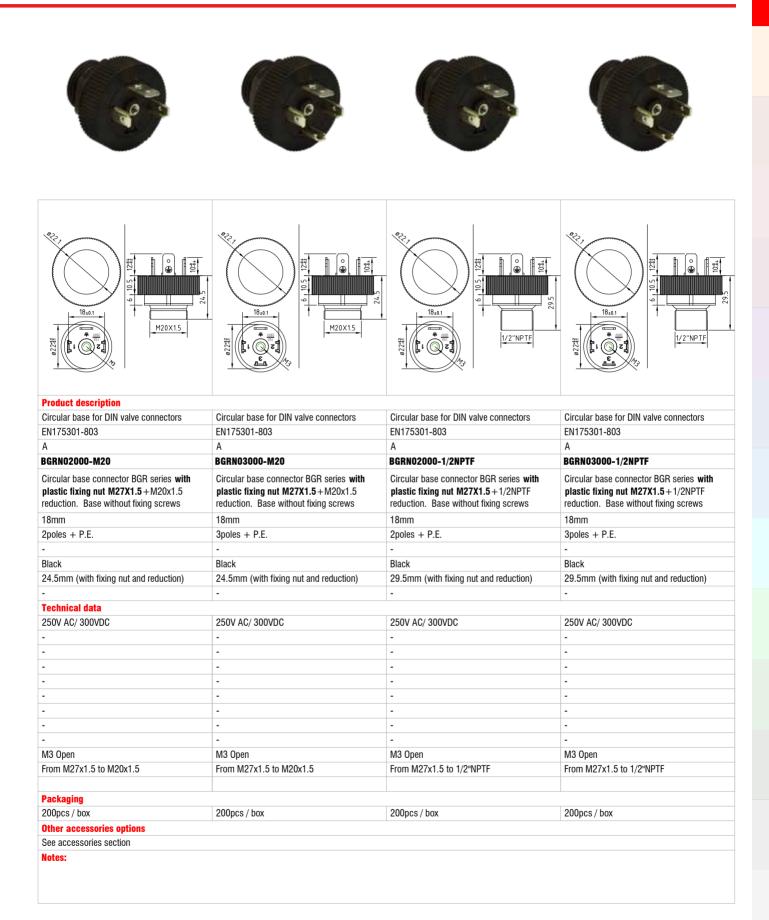
200pcs / box

See accessories section

Notes:

Bases Form A - EN175301-803(DIN43650)







Technical drawing			
Product description Connector type	Rectangular base for DIN valve connectors	Rectangular base for DIN valve connectors	
Conforms to	Industrial	Industrial	
Construction type	B	B	
Part number	BM1N02000	BM1N02000-UL	
Description	Rectangular base connector BM1 series complete with gasket and fixing screws.	Rectangular base connector BM1 series, UL approved, complete with gasket and fixing screws.	
Contacts spacing	11mm	11mm	
Number of contacts	2poles + P.E.	2poles + P.E.	
Earth positioning	-	- Plack	
Base colour Base height	Black 12mm	Black 12mm	
Gasket type	Flat NBR gasket	Flat NBR gasket	
Technical data		5	
Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC	
Number of fixing holes	-	-	
Diameter of fixing holes	-	-	
Fixing screws material (x1)	Iron+Zinc plated	Iron+Zinc plated	
Fixing screws length (x1) Fixing screws torque (x1)	M3(int.)-M4(ext.) L=15.5mm 0.5 N*m	M3(int.)-M4(ext.) L=15.5mm 0.5 N*m	
Earth fixing screws torque (x1)	Iron+Zinc plated	Iron+Zinc plated	
Earth fixing screws length	M3 L=5mm	M3 L=5mm	
Earth screw torque	0.5 N*m	0.5 N*m	
Central nut type	-	-	
Packaging			
Qty/Box	200pcs / box	200pcs / box	
Other accessories options			
See accessories section			
Notes:	Base in Grey colour: P/N BM1G02000		

Bases Form C - EN175301-803(DIN43650)





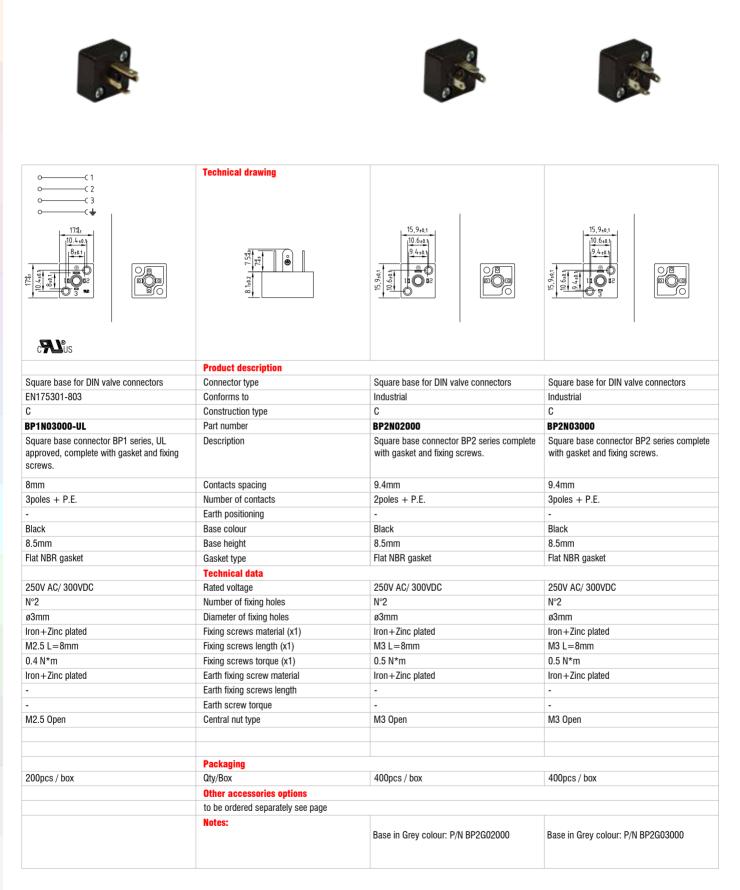




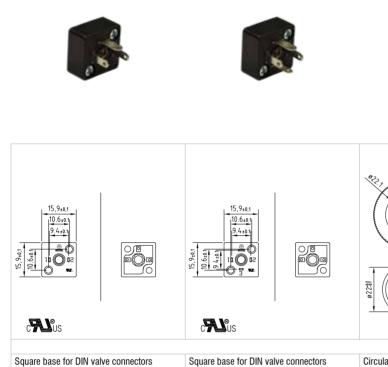
Technical drawing				
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8.6 ⁴ 6.43		8:0.1	8±0.1	
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0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				
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			I	
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Product description				
Connector type	Square base for DIN valve connectors	Square base for DIN valve connectors	Square base for DIN valve connectors	
Conforms to	EN175301-803	EN175301-803	EN175301-803	
Construction type	C	C	C	
Part number	BP1N02000	BP1N03000	BP1N02000-UL	
Description	Square base connector BP1 series complete	Square base connector BP1 series complete	Square base connector BP1 series, UL	
	with gasket and fixing screws.	with gasket and fixing screws.	approved, complete with gasket and fixing	
			screws.	
Contacts spacing	8mm	8mm	8mm	
Number of contacts	2poles + P.E.	3poles + P.E.	2poles + P.E.	
Earth positioning	-	-	-	
Base colour	Black	Black	Black	
Base height	8.5mm	8.5mm	8.5mm	
Gasket type	Flat NBR gasket	Flat NBR gasket	Flat NBR gasket	
Technical data				
Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC	250V AC/ 300VDC	
Number of fixing holes	N°2	N°2	N°2	
Diameter of fixing holes	ø3mm	ø3mm	ø3mm	
Fixing screws material (x1)	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated	
Fixing screws length (x1)	M2.5 L=8mm	M2.5 L=8mm	M2.5 L=8mm	
Fixing screws torque (x1)	0.4 N*m	0.4 N*m	0.4 N*m	
Earth fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated	
Earth fixing screws length	-	-	-	
Earth screw torque	-	-	-	
Central nut type	M2.5 Open	M2.5 Open	M2.5 Open	
	· ·		•	
Packaging				
Qty/Box	200pcs / box	200pcs / box	200pcs / box	
Other accessories options	• •	· · ·		
to be ordered separately see page				
Notes:				
	Base in Grey colour: P/N BP1G02000	Base in Grey colour: P/N BP1G03000		
		1		

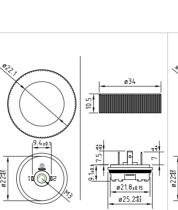


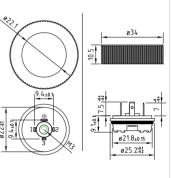
Bases Form C - Industrial











Square base for DIN valve connectors	Square base for DIN valve connectors	Circular base for DIN valve connectors	Circular base for DIN valve connectors		
ndustrial	Industrial	Industrial	Industrial		
C	C	C	С		
BP2N02000-UL	BP2N03000-UL	BP2RN02000	BP2RN03000		
Square base connector BP2 series, UL approved, complete with gasket and fixing screws.	Square base connector BP2 series, UL approved, complete with gasket and fixing screws.	Circular base connector BP2R series with plastic fixing nut M27X1.5. Base without fixing screws	Circular base connector BP2R series with plastic fixing nut M27X1.5. Base without fixing screws		
9,4mm	9,4mm	9,4mm	9,4mm		
2poles + P.E.	3poles + P.E.	2poles + P.E.	3poles + P.E.		
-	-	-	-		
Black	Black	Black	Black		
8.5mm	8.5mm	10.5mm (with plastic fixing nut)	10.5mm (with plastic fixing nut)		
Flat NBR gasket	Flat NBR gasket	-	-		
250V AC/ 300VDC	250V AC/ 300VDC	250V AC/ 300VDC	250V AC/ 300VDC		
N°2	N°2	-	-		
ø3mm	ø3mm	-	-		
Iron+Zinc plated	Iron+Zinc plated	-	-		
M3 L=8mm	M3 L=8mm	-	-		
0.5 N*m	0.5 N*m	-	-		
Iron+Zinc plated	Iron+Zinc plated	-	-		
-	-	-	-		
-	-	-	-		
M3 Open	M3 Open	M3 Open	M3 Open		
		-	-		
	400pcs / box	200pcs / box	200pcs / box		







Technical drawing			
15 2 ⁴ 3 → 015 2			
Product description			
Connector type	Square base for DIN valve connectors	Square base for DIN valve connectors	
Conforms to	Industrial	Industrial	
Construction type	С	C	
Part number	BP3N02000	BP3N03000	
Description	Square base connector BP3 series complete with gasket	Square base connector BP3 series complete with gasket	
Contacts spacing	9.4mm	9.4mm	
Number of contacts	2poles + P.E.	3poles + P.E.	
Earth positioning	-	-	
Base colour	Black	Black	
Base height	10.5mm	10.5mm	
Gasket type	Flat NBR gasket	Flat NBR gasket	
Technical data			
Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC	
Number of fixing holes	-	-	
Diameter of fixing holes	-	-	
Fixing screws material (x1)	-	-	
Fixing screws length (x1)	-	-	
Fixing screws torque (x1)		-	
Earth fixing screw material	-	-	
Earth fixing screws length		-	
Earth screw torque	-	-	
Central nut type	M3 Open	M3 Open	
Packaging			
Qty/Box	300pcs / box	300pcs / box	
Other accessories options			
to be ordered separately see page		1	
Notes:	Base in Grey colour: P/N BP3G02000	Base in Grey colour: P/N BP3G03000	

Adapters bases for DIN Valve connectors - Form A EN175301-803(DIN43650)









Technical drawing						
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Product description						
Connector type	Adapter base for DIN valve connectors	Adapter base for DIN valve connectors	Adapter base for DIN valve connectors			
Conforms to	EN175301-803	EN175301-803	EN175301-803			
Construction type	A	A	A			
Part number	AG1N02DL1 AG1N02DL2 AG1N02DL3	AG1N02VL1 AG1N02VL2 AG1N02VL3	AG1N02FL1 AG1N02FL2 AG1N02FL3			
Description	Square Angled 90° adapter AG1 series	Square Angled 90° adapter AG1 series	Square Angled 90° adapter AG1 series			
Contacts spacing	18mm	18mm	18mm			
Number of contacts	2poles + 2P.E.	2poles + 2P.E.	2poles + 2P.E.			
Earth positioning	H.6-12	H.6-12	H.6-12			
Adapter colour	Black	Black	Black			
Adapter height	33.2mm	33.2mm	33.2mm			
Technical data						
Rated voltage	24V DC 115V DC 230V DC	24V AC/DC 115V AC/DC 230V AC/DC	24V AC/DC 115V AC/DC 230V AC/DC			
Circuit type	Led + Diode(1A)	Bipolar Led + Varistor	Bipolar Led + RC circuit			
Led colour	Red	Red	Red			
Protonium						
Packaging Others	1nc / hog	1ng/hog	1ng / hag			
Qty/Bag	1pc / bag	1pc / bag	1pc / bag			
Other accessories options						
Notes:						
NULES.	Adapter available with different led colour. Adapter available with different circuits.	Adapter available with different led colour. Adapter available with different circuits.	Adapter available with different led colour. Adapter available with different circuits.			



Adapters bases for DIN Valve connectors - Form B Industrial

			Industri
Technical drawing			
	+ 0	H.6 H.12	
Product description			
Connector type	Adapter base for DIN valve connectors	Adapter base for DIN valve connectors	Adapter base for DIN valve connectors
Conforms to	Industrial	Industrial	Industrial
Construction type	B	B	B
Part number (P.E. H.6)		L3A AM1N02VL1A AM1N02VL2A AM1N02VL3/	
Part number (P.E. H.12)		L3B AM1NO2VL1B AM1NO2VL2B AM1NO2VL3B	
Description	Rectangular angled 90° adapter AM1 serie		Rectangular angled 90° adapter AM1 series
Contacts spacing	11mm	11mm	11mm
Number of contacts	2poles + P.E.	2poles + P.E.	2poles + P.E.
Earth positioning	H.6 or H.12	H.6 or H.12	H.6 or H.12
Adapter colour	Black	Black	Black
Adapter height	33.2mm	33.2mm	33.2mm
Technical data			
Rated voltage	24V DC 115V DC 230V DC	24V AC/DC 115V AC/DC 230V AC/DC	24V AC/DC 115V AC/DC 230V AC/D0
Circuit type	Led + Diode(1A)	Bipolar Led + Varistor	Bipolar Led + RC circuit
Led colour	Red	Red	Red
	Reu	Reu	Reu
Packaging			1
Qty/Bag	1pc / bag	1pc / bag	1pc / bag
Other accessories options	1	F-/0	1.13
Notes:			
Adapter available with different led colour.			
Adapter available with different circuits.			

Adapters bases for DIN Valve connectors - Form B Industrial



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	TE			FE		
Technical drawing	+0			۰ <u>ــــــــــــــــــــــــــــــــــــ</u>		
	ос. Н.6	, H.12		o⊂ <u>∔</u> H.6	Н.12	
		SIE R				
Reduct description		20.8			20.8	
Product description Connector type	Adapter base for DIN	valve connectors		Adapter base for DIN	valve connectors	
Conforms to	Industrial			Industrial		
Construction type	B			В		
Part number (P.E. H.6)	- AM1N02DL1A-180	AM1N02DL2A-180	AM1N02DL3A-180		AM1N02VL2A-180	AM1N02VL3A-180
Part number (P.E. H.12)	AM1N02DL1B-180	AM1N02DL2B-180	AM1N02DL3B-180	AM1N02VL1B-180	AM1N02VL2B-180	AM1N02VL3B-180
Description		80° adapter AM1 series			80° adapter AM1 series	
Contacts spacing	11mm			11mm		
Number of contacts	2poles + P.E.			2poles + P.E.		
Earth positioning	H.6 or H.12			H.6 or H.12		
Adapter colour	Black			Black		
Adapter height	33.2mm			33.2mm		
Technical data					1	
Rated voltage	24V DC	115V DC	230V DC	24V AC/DC	115V AC/DC	230V AC/DC
Circuit type	Led + Diode(1A)			Bipolar Led + Varistor	r	
Led colour	Red			Red		
Packaging						
Qty/Bag	1pc / bag			1pc / bag		
JLV/DdU						
Other accessories options -						
Other accessories options						



Adapters bases for DIN Valve connectors - Form C EN175301-803(DIN43650)







Technical drawing										
				15.8 5 6 6 15.8 15.8						
Product description										
Connector type	Adapter base	Adapter base for DIN valve connectors			for DIN valve co	nnectors	Adapter base	for DIN valve co	nnectors	
Conforms to	EN175301-80			EN175301-80			EN175301-80			
Construction type	С			С			С			
Part number	AP1N02L01	AP1N02L02	AP1N02L03	AP1N02DL1	AP1N02DL2	AP1N02DL3	AP1N02VL1	AP1N02VL2	AP1N02VL3	
Description	Square micro	angled 90° adaj	oter AP1 series	Square micro	angled 90° ada	pter AP1 series	Square micro	angled 90° ada	oter AP1 series	
Contacts spacing	8mm			8mm			8mm			
Number of contacts	2poles + 2P.	.E.		2poles + 2P.E.			2poles + 2P.E.			
Earth positioning	H.6-12			H.6-12			H.6-12			
Adapter colour	Black			Black			Black			
Adapter height	26mm			26mm			26mm			
Technical data										
Rated voltage	24V AC/DC	115V AC/DC	230V AC/DC	24V DC	115V DC	230V DC	24V AC/DC	115V AC/DC	230V AC/DC	
Circuit type	Bipolar Led			Led + Diode(1A)		Bipolar Led +	Varistor		
Led colour	Red			Red			Red			
Packaging										
Qty/Bag	1pc / bag			1pc / bag			1pc / bag			
Other accessories options				-			-			
-										
Notes: Adapter available with different led colour. Adapter available with different circuits.										

Adapters bases for DIN Valve connectors - Form C Industrial









Technical drawing										
			15.8 15.8 15.8 15.8 15.8							
Product description										
Connector type	Adapter base f	for DIN valve co	nnectors	Adapter base	for DIN valve c	onnectors	Adapter base fo	r DIN valve co	nnectors	
Conforms to	Industrial						Industrial			
Construction type	С			С			С			
Part number	AP2N02L01	AP2N02L02	AP2N02L03	AP2N02DL1	AP2N02DL2	AP2N02DL3	AP2N02VL1	AP2N02VL2	AP2N02VL3	
Description	Square micro a	angled 90° adaj	oter AP2 series	Square micro	angled 90° ada	pter AP2 series	Square micro ar	ıgled 90° adap	oter AP2 series	
Contacts spacing	9.4mm			9.4mm			9.4mm			
Number of contacts	2poles + 2P.E			2poles + 2P.E.			2poles + 2P.E.			
Earth positioning	H.6-12			H.6-12			H.6-12			
Adapter colour	Black			Black			Black			
Adapter height	26mm			26mm		26mm				
Technical data										
Rated voltage	24V AC/DC	115V AC/DC	230V AC/DC	24V DC	115V DC	230V DC	24V AC/DC	115V AC/DC	230V AC/DC	
Circuit type	Bipolar Led			Led + Diode(1A)		Bipolar Led + V	aristor		
Led colour	Red			Red			Red			
Packaging										
Qty/Bag	1pc / bag			1pc / bag			1pc / bag			
Other accessories options										
-										
Notes:										
Adapter available with different led colour. Adapter available with different circuits.										



General features and codification scheme Adapters DIN valve connectors + M12/M8 connectors

• GENERAL FEATURES:

Adapter : M8 : M8 circular connector. M12: M12 circular connector.

Fixing system : Central fixing screw.

Max. screw torque IEC60947-1 (Central fixing screw) : G1-M1-P2 series: Max. 0.5 N * m. P1 series: Max. 0.4 N * m.

Type of terminations : Screw(with protection plate).

Contact material and treatment : Brass + Silver plated. Housing material : Polypropylene.

Internal core material : PA66.

Flammability resistance : UL94-V2 - Standard.

Protection class : IP 65 / 67 (assembled).

Operating temperature : -40°C +90°C with NBR gasket. -40°C +125°C with Silicone gasket.

G1 N 0 2 00 0 C - 12MD ·	- ##
SERIES G1 : EN175301-803 form A (18mm). G1B : EN175301-803 form A (18mm) TOP EXIT. BG1 : EN175301-803 form A (18mm)WITH MALE CONTACTS. BG1B : EN175301-803 form A (18mm)WITH MALE CONTACTS. BG1B : EN175301-803 form A (18mm)WITH MALE CONTACTS. BG1B : EN175301-803 form B (11mm). M1 : INDUSTRIAL form B (11mm). P1 : EN175301-803 form C (8mm). P2 : MICRO INDUSTRIAL form C (9.4mm).	
COLOUR G: GREY. N: BLACK (STANDARD). CABLE GLAND O: MOULDED CONNECTOR. POLES No.	
2:2PDLES HE. 2 3:3PDLES + EARTH. 2	
CIRCUIT TYPE SEE CIRCUITS FEATURES PAGE. (BG1B SERIES ONLY WITHOUT ELECTRONIC).	
VOLTAGE 0 : 60V. 1 : 24V.	
EARTH POSITION A:H.6. B:H.12. C:DOUBLEH.6-12. D:H.3. E:H.9. F:DOUBLEH.3-9.	
A THOL B THILE & DOUBLE HIGHE, B THOLE F, HIGHE F, DOUBLE HIGHS, ADAPTER WITH 12MDI: M12 MALE 180° 3p. 12FD : M12 FEMALE 180° 3p. 08MD3 : M8 MALE 180° 4p. 08FD3 : M8 FEMALE 180° 4p. SOME VARIABLES	

SOME VARIABLES

L : PROFILED GASKET. SS : STAINLESS STEEL SCREW. Y : WITHOUT H.T.P.LOGO.



Adapters DIN valve connectors - Form A EN175301-803(DIN43650) + M12/M8 connectors







Technical drawing	1)	1) + +	1) + ± 🖬 4
Product description	1	1	
Connector type	Adapter DIN valve connector - M8 connector	Adapter DIN valve connector - M8 connector	Adapter DIN valve connector - M8 connector
Conforms to	EN175301-803	EN175301-803	EN175301-803
Construction type	A	A	A
Part number	G1N02000C-08MD3	G1N02DL1C-08MD3	G1N02VL1C-08MD3
Description	Adapter square connector EN175301-803 (form A) - M8 circular connector.	Adapter square connector EN175301-803 (form A) - M8 circular connector.	Adapter square connector EN175301-803 (form A) - M8 circular connector.
Contacts spacing	18mm	18mm	18mm
Number of contacts	2poles + 2P.E.	2poles + 2P.E.	2poles + 2P.E.
Earth positioning	H.6-12	H.6-12	H.6-12
Housing colour	Black	Black	Black
Housing height	22.9mm	22.9mm	22.9mm
Gasket type	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket
Circular connector type	M8	M8	M8
Technical data			
Rated voltage	60V AC/DC	24V DC	24V AC/DC
Circuit type	•	Led + Diode(1A)	Bipolar Led + Varistor
Led colour	-	Red	Red
Central fixing screw	M3 L=25mm	M3 L=25mm	M3 L=25mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m
M8 Connector type	Straight 180°	Straight 180°	Straight 180°
M8 contacts type	Male 3poles	Male 3poles	Male 3poles
Number of contacts connected	n°2	n°2	n°2
Packaging		1	
Qty/Bag	1pc / bag	1pc / bag	1pc / bag
Other accessories options		····	
See accessories section			
Notes:	Connector available with different circuits	Connector available with different led colour	Connector available with different led colour



VALVE CONNECTORS Adapters DIN valve connectors - Form A

EN175301-803(DIN43650) + M12/M8 connectors

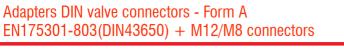






		1	
Technical drawing	1 > 4	1) 🚽 🖬 4	1) 🚽 🛃 4
	2 > 3		2 1
57			
554 E			
Product description			
Connector type	Adapter DIN valve connector-M12 connector	Adapter DIN valve connector-M12 connector	Adapter DIN valve connector-M12 connector
Conforms to	EN175301-803	EN175301-803	EN175301-803
Construction type	Α	Α	Α
Part number	G1N02000C-12MD	G1N02L01C-12MD	G1N02DL1C-12MD
Description	Adapter square connector EN175301-803 (form A) - M12 circular connector.	Adapter square connector EN175301-803 (form A) - M12 circular connector.	Adapter square connector EN175301-803 (form A) - M12 circular connector.
Contacts spacing	18mm	18mm	18mm
Number of contacts	2poles + 2P.E.	2poles + 2P.E.	2poles + 2P.E.
Earth positioning	H.6-12	H.6-12	H.6-12
Housing colour	Black	Black	Black
Housing height	22.9mm	22.9mm	22.9mm
Gasket type	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket
Circular connector type	M12	M12	M12
Technical data			
Rated voltage	60V AC/DC	24V AC/DC	24V DC
Circuit type		Bipolar Led	Led + Diode(1A)
Led colour	-	Red	Red
Central fixing screw	M3 L=25mm	M3 L=25mm	M3 L=25mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m
M12 Connector type	Straight 180°	Straight 180°	Straight 180°
M12 contacts type	Male 3poles	Male 3poles	Male 3poles
Number of contacts connected	n°3	n°3	n°3
Baskasing			
Packaging Oty/Reg	1no / hog		1ng / hag
Qty/Bag	1pc / bag	1pc / bag	1pc / bag
Other accessories options			
See accessories section		1	1
Notes:	Connector available with different circuits	Connector available with different led colour	Connector available with different led colour







Technical drawing			
3. → → M3 0.	4	4	
Product description			
Connector type	Adapter DIN valve connector-M12 connector	Adapter DIN valve connector-M12 connector	
Conforms to	EN175301-803	EN175301-803	
Construction type	A	A	
Part number	G1N02VL1C-12MD	G1N03Q01A-12MD	
Description	Adapter square connector EN175301-803 (form A) - M12 circular connector.	Adapter square connector EN175301-803 (form A) - M12 circular connector.	
Contacts spacing	18mm	18mm	
Number of contacts	2poles + 2P.E.	3poles + P.E.	
Earth positioning	H.6-12	H.6	
Housing colour	Black	Black	
Housing height	22.9mm	22.9mm	
Gasket type	Integrated NBR gasket	Integrated NBR gasket	
Circular connector type	M12	M12	
Technical data			
Rated voltage	24V AC/DC	24V DC	
Circuit type	Bipolar Led + Varistor	Bicolour Led + no.2 Diodes (1A)	
Led colour	Red	Red (pin 2) ; Green (pin3)	
Central fixing screw	M3 L=25mm	M3 L=25mm	
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	
Central screw torque	0.5 N*m	0.5 N*m	
•	Straight 180°	Straight 180°	
M12 Connector type M12 contacts type	-	-	
51	Male 3poles	Male 5poles	
Number of contacts connected	n°3	n°5	
Packaging			
Qty/Bag	1pc / bag	1pc / bag	
Other accessories options			
See accessories section	1		
Notes:	Connector available with different led colour	Connector available with different led connection: Q8 circuit (Green pin 2; Red pin 3) Q1 circuit (Yellow pin 2; Green pin 3)	



Adapters DIN valve connectors - Form A EN175301-803(DIN43650) + M12/M8 connectors







Technical drawing			
Product description		1	1
Connector type	Adapter DIN valve connector-M12 connector	Adapter DIN valve connector-M12 connector	Adapter DIN valve connector-M12 connector
Conforms to	EN175301-803	EN175301-803	EN175301-803
Construction type	A	A	A
Part number	GBN02000C-12MD	GBN02VL1C-12MD	GBN02DL1C-12MD
Description	Adapter square connector EN175301-803 (form A) top exit - M12 circular connector.	Adapter square connector EN175301-803 (form A) top exit - M12 circular connector.	Adapter square connector EN175301-803 (form A) top exit - M12 circular connector.
Contacts spacing	18mm	18mm	18mm
Number of contacts	2poles + 2P.E.	2poles + 2P.E.	2poles + 2P.E.
Earth positioning	H.6-12	H.6-12	H.6-12
Housing colour	Black	Black	Black
Housing height	20mm	20mm	20mm
Gasket type	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket
Circular connector type	M12	M12	M12
Technical data			
Rated voltage	60V AC/DC	24V AC/DC	24V DC
Circuit type	-	Bipolar Led + Varistor	Led + Diode(1A)
Led colour	-	Red	Red
Central fixing screw	M3 L=22.5mm	M3 L=22.5mm	M3 L=22.5mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m
M12 Connector type	Straight 180°	Straight 180°	Straight 180°
M12 contacts type	Male 3poles	Male 3poles	Male 3poles
Number of contacts connected	n°3	n°3	n°3
Packaging			
Qty/Bag	1pc / bag	1pc / bag	1pc / bag
Other accessories options	1907 bag	1401 200	100/ 200
סנווכו מננכאטווכא טאנוטווא			

See accessories section Notes:

Connector available with different circuits

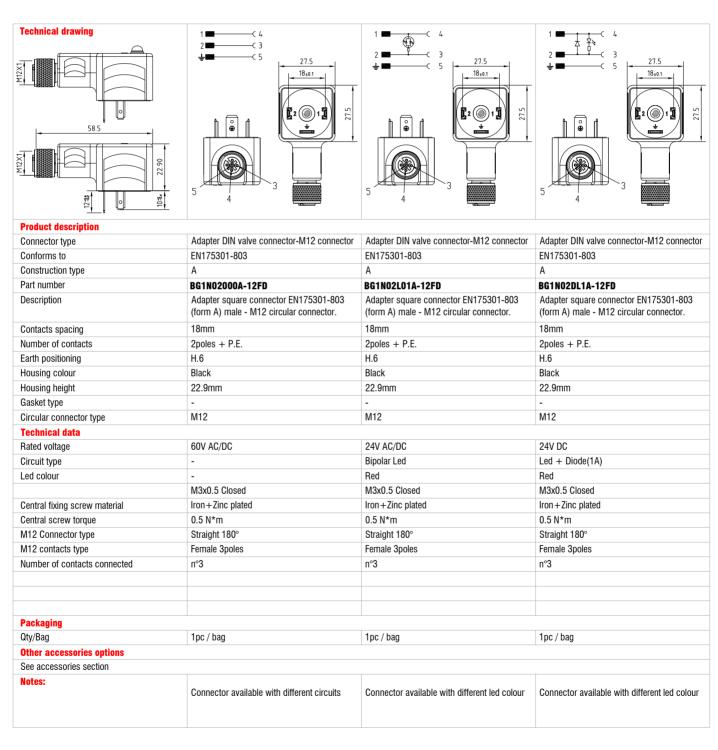
Connector available with different led colour Connector available with different led colour

Adapters DIN valve connectors - Form A

EN175301-803(DIN43650) + M12/M8 connectors







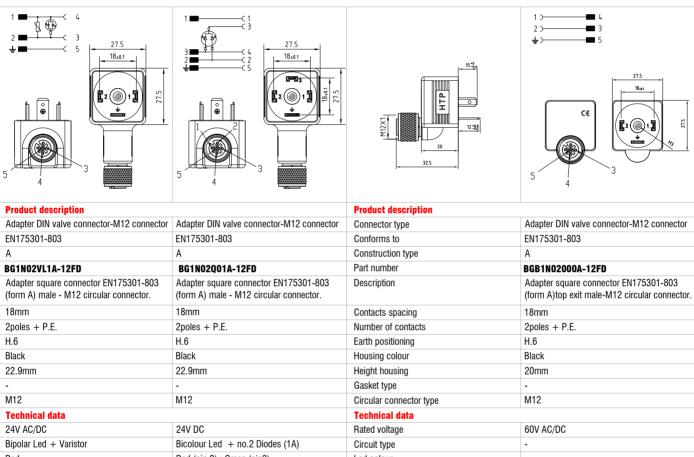


Adapters DIN valve connectors - Form A EN175301-803(DIN43650) + M12/M8 connectors









1pc / bag Connector available with different led	Packaging Qty/Box Other accessories options See accessories section Notes:	1pc / bag
1pc / bag	Qty/Box Other accessories options	1pc / bag
1pc / bag	Qty/Box	1pc / bag
1pc / bag	•••	1pc / bag
	Packaging	
۳b	Number of contacts connected	n°3
•		Female 3poles
•		Straight 180°
		0.5 N*m
ron+Zinc plated	•	Iron+Zinc plated
M3x0.5 Closed	Central fixing nut	M3x0.5 Closed
Red (pin 2) ; Green (pin3)	Led colour	-
Bicolour Led + no.2 Diodes (1A)	Circuit type	-
	Red (pin 2) ; Green (pin3) /13x0.5 Closed	Red (pin 2) ; Green (pin3) Led colour A3x0.5 Closed Central fixing nut ron+Zinc plated Central fixing screw material 0.5 N*m Central screw torque Straight 180° M12 Connector type Female 3poles M12 contacts type

EN175301-803(DIN43650) + M12/M8 connectors









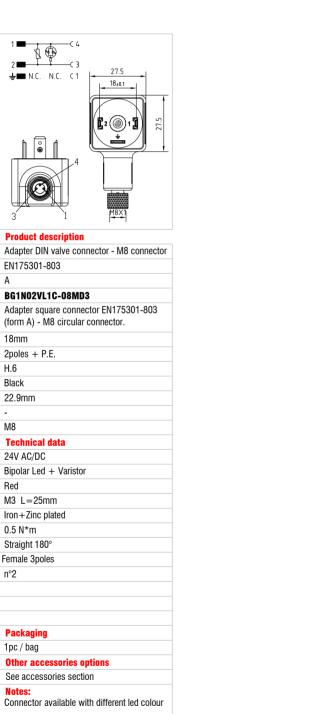
Technical drawing Image: State of the					
Connector type Adapter DIN valve connector - M8 connector Adapter DIN valve connector - M175301-803 Adapter DIN valve connector - M175301-803 Adapter DIN val				2 - C 3 - N.C. N.C. C 1 - 18:01 - 18	
Conforms to EN175301-803 EN175301-803 EN175301-803 Construction type A A A Part number BG1N02000C-08FD3 BG1N02101C-08FD3 BG1N0211C-08FD3 Description Adapter square connector EN175301-803 (form A) - M8 circular connector. Adapter square connector EN175301-803 (form A) - M8 circular connector. Adapter square connector EN175301-803 (form A) - M8 circular connector. Number of contacts 2 poles + P.E. 2 poles + P.E. 2 poles + P.E. Earth positioning H.6 H.6 H.6 Housing colour Black Black Black Housing height 22.9mm 22.9mm 2.9mm Gasket type - - - Circular connector type M8 M8 M8 Technical data M8 M8 M8 Technical data - - Entrant Circular connector type M3 L=25mm M3 L=25mm M3 L=25mm Red colour - Red Red Central fixing screw metrial Iron +2inc plated Iron +2inc plated Contacts type Central fixing screw material Iron +2inc plated <td></td> <td>Adapter DIN valve connector M9 connector</td> <td>Adapter DIN valve connector M8 connector</td> <td>Adapter DIN valve connector M9 connector</td>		Adapter DIN valve connector M9 connector	Adapter DIN valve connector M8 connector	Adapter DIN valve connector M9 connector	
Construction type A A A Part number BE1N02D00C-08FD3 BE1N02L11C-08FD3 BE1N02L11C-08FD3 Description Adapter square connector EN175301-803 (form A) - M8 circular connector. Adapter square connector EN175301-803 (form A) - M8 circular connector. Adapter square connector EN175301-803 (form A) - M8 circular connector. Contacts spacing 18mm 18mm 18mm 18mm Number of contacts 2poles + P.E. 2poles + P.E. 2poles + P.E. Earth positioning H.6 H.6 H.6 Housing colour Black Black Black Housing height 22.9mm 22.9mm 22.9mm Gasket type - - - Circular connector type M8 M8 M3 Technical data Female 300V AC/60 V DC 24V AC/DC 24V DC Circuit type - Red Red Red Central fixing screw material Iron + Zinc plated Iron + Zinc plated Iron + Zinc plated Central fixing screw material Iron + Zinc plated Iron + Zinc plated Iron + Zinc plated Central fixing screw material Iron + Zinc pla		•	•	•	
Part number BG1N02D00C-08FD3 BG1N02L01C-08FD3 BG1N02L01C-08FD3 Description Adapter square connector EN175301-803 (form A) - M8 circular connector. Adapter square connector EN175301-803 (form A) - M8 circular connector. Adapter square connector EN175301-803 (form A) - M8 circular connector. Contacts spacing 18mm 18mm 18mm Number of contacts 2poles + P.E. 2poles + P.E. 2poles + P.E. Earth positioning H.6 H.6 H.6 Housing colour Black Black Black Housing feight 22.9mm 22.9mm 22.9mm Gasket type - - - Circular connector fype M8 M8 M8 Technical data Technical data Technical data Rated voltage 50V AC/60 V DC 24V AC/DC 24V DC Circult ype - Bipolar Led Led + Diode(1A) Led colour - Red Red Central fixing screw material Iron+Zinc plated Iron+Zinc plated Contacts type Straight 180° Straight 180° Straight 180° Straight 180° Straight 180° M8 Connector type Female 3poles Female 3poles Number of contacts connected n°2 n°2 <td></td> <td></td> <td></td> <td></td>					
Description Adapter square connector EN175301-803 (form A) - M8 circular connector. Adapter square connector EN175301-803 (form A) - M8 circular connector. Adapter square connector EN175301-803 (form A) - M8 circular connector. Contacts spacing 18mm 18mm 18mm 18mm Number of contacts 2 poles + P.E. 2 poles + P.E. 2 poles + P.E. 2 poles + P.E. Earth positioning H.6 H.6 H.6 H.6 Housing colour Black Black Black Black Housing height 22.9mm 22.9mm 22.9mm Circular connector type M8 M8 M8 Technical data - - - Rated voltage 50V AC/60 V DC 24V AC/DC 24V DC Circular connector type M8 M8 M8 Technical data - Red Red Central fixing screw M3 L=25mm M3 L=25mm M3 L=25mm Central fixing screw material Iron+Zinc plated Iron+Zinc plated Iron+Zinc plated Central fixing screw torque 0.5 N*m 0.5 N*m 0.5 N*m 0.5 N*m M8 contacts type <td< td=""><td></td><td></td><td></td><td></td></td<>					
(form A) - M8 circular connector.(form A) - M8 circular connector.(form A) - M8 circular connector.Contacts spacing18mm18mm18mmNumber of contacts2poles + P.E.2poles + P.E.Earth positioningH.6H.6H.6Housing colourBlackBlackBlackHousing colourBlackBlackBlackHousing colourBlackBlackBlackHousing colourBlackBlackBlackHousing colour2.9mm2.9mm2.9mmGasket typeCircular connector typeM8M8M8Technical dataRated voltage50V AC/60 V DC24V AC/DC24V DCCircult type-Bloolar LedLed + Diode(1A)Led colour-RedRedCentral fixing screwM3 L=25mmM3 L=25mmM3 L=25mmM3 L=25mmM3 L=25mmCentral fixing screw torque0.5 N*m0.5 N*mOstnector typeStraight 180°Straight 180°M8 connector typeStraight 180°Female 3polesNumber of contacts connectedn*2n*2n*2n*2n*2n*2Quertype1pc / bag1pc / bagNumber of contacts connectedn*21pc / bagNumber of contacts connectedn*2n*2Number of contacts connectedn*2palesNumber of contacts connectedn*2 hag1pc / bagNumber of contact					
Number of contacts2poles + P.E.2poles + P.E.2poles + P.E.Earth positioningH.6H.6H.6Housing colourBlackBlackBlackHousing height22.9mm22.9mm22.9mmGasket typeCircular connector typeM8M8M8Technical dataTechnical data </td <td>Description</td> <td></td> <td></td> <td></td>	Description				
Number of contacts 2poles + P.E. 2poles + P.E. 2poles + P.E. Earth positioning H.6 H.6 H.6 Housing colour Black Black Black Housing height 22.9mm 22.9mm 22.9mm Gasket type - - - Circular connector type M8 M8 M8 Tethorical data Tethorical data Tethorical data Tethorical data Tethorical data Circular connector type M8 S0V AC/60 V DC 24V AC/DC 24V DC Circuit type - Bipolar Led Led + biode(1A) Led colour - Red Red Central fixing screw M3 L=25mm M3 L=25mm M3 L=25mm Central fixing screw torque 0.5 N*m 0.5 N*m 0.5 N*m Gennector type Straight 180° Straight 180° Straight 180° M8 connector type Female 3poles Female 3poles Female 3poles Number of contacts type Female 3poles Female 3poles Female 3poles Number of contacts connected n°2 n°2 n°2 Packaging 1pc / ba	Contacts spacing	18mm	18mm	18mm	
Earth positioningH.6H.6H.6Housing colourBlackBlackBlackHousing height22.9mm22.9mm22.9mmGasket typeCircular connector typeM8M8Technical dataRated voltage50V AC/60 V DC24V AC/DC24V DCCircult type-Bipolar LedLed + Diode(1A)Led colour-RedRedCentral fixing screwM3 L=25mmM3 L=25mmContral fixing screw materialIron+Zinc platedIron+Zinc platedCentral fixing screw materialIron+Zinc platedIron+Zinc platedCentral fixing screw torque0.5 M*m0.5 N*m0.5 N*mM8 Connector typeStraight 180°Straight 180°Straight 180°M8 contacts typeFemale 3polesFemale 3polesFemale 3polesNumber of contacts connectedn°2n°2n°2n°2Christing1pc / bag1pc / bag1pc / bag1pc / bagOther accessories optionsSee accessories sectionNutes:Notes:Nets:Contral fixing screw stress options		2poles + P.E.		2poles + P.E.	
Housing height22.9mm22.9mm22.9mmGasket typeCircular connector typeM8M8M8Technical dataTechnical dataTechnical dataTechnical dataCircuit typeS0V AC/60 V DC24V AC/DC24V DCCircuit type-Bipolar LedLed + Diode(1A)Led colour-RedRedCentral fixing screwM3 L=25mmM3 L=25mmM3 L=25mmCentral fixing screw materialIron+Zinc platedIron+Zinc platedIron+Zinc platedCentral screw torque0.5 N*m0.5 N*m0.5 N*m0.5 N*mM8 Connector typeStraight 180°Straight 180°Straight 180°M8 contacts typeFemale 3polesFemale 3polesFemale 3polesNumber of contacts connectedn°2n°2n°2Central fixing screw torque1pc / bagM8 contacts typeFemale 3polesFemale 3polesNumber of contacts connectedn°2n°2n°2Central fixing screw torque1pc / bag1pc / bag <td colsp<="" td=""><td>Earth positioning</td><td></td><td>•</td><td>•</td></td>	<td>Earth positioning</td> <td></td> <td>•</td> <td>•</td>	Earth positioning		•	•
Gasket typeCircular connector typeM8M8M8Technical dataRated voltage50V AC/60 V DC24V AC/DC24V DCCircuit type-Bipolar LedLed + Diode(1A)Led colour-RedRedCentral fixing screwM3 L=25mmM3 L=25mmCentral fixing screw materialIron+Zinc platedIron+Zinc platedIron+Zinc platedIron+Zinc platedIron+Zinc platedCentral fixing screw material0.5 N*m0.5 N*mM8 Connector typeStraight 180°Straight 180°M8 connector typeStraight 30PStraight 180°M8 connector typeFemale 3polesFemale 3polesNumber of contacts connectedn°2n°2n°2n°2n°2Packaging1pc / bag1pc / bagOther accessories optionsSea accessories sectionNotes:Image: SectionImage: Section		Black	Black	Black	
Gasket typeCircular connector typeM8M8M8Technical dataTechnical dataTechnical dataTechnical dataTechnical dataContral type50V AC/60 V DC24V AC/DC24V DCCircuit type-Bipolar LedLed + Diode(1A)Led colour-RedRedCentral fixing screwM3 L=25mmM3 L=25mmM3 L=25mmCentral fixing screw materialIron+Zinc platedIron+Zinc platedIron+Zinc platedCentral screw torque0.5 N*m0.5 N*m0.5 N*m0.5 N*mM8 Connector typeStraight 180°Straight 180°Straight 180°M8 connector typeFemale 3polesFemale 3polesFemale 3polesNumber of contacts connectedn°2n°2n°2PackagingOther accessories optionsSee accessories spectionNotes:	Housing height	22.9mm	22.9mm	22.9mm	
Circular connector typeM8M8M8Technical dataRated voltage50V AC/60 V DC24V AC/DC24V DCCirculit type-Bipolar LedLed + Diode(1A)Led colour-RedRedCentral fixing screwM3 L=25mmM3 L=25mmM3 L=25mmCentral fixing screw materialIron+Zinc platedIron+Zinc platedIron+Zinc platedCentral screw torque0.5 N*m0.5 N*m0.5 N*mM8 Connector typeStraight 180°Straight 180°Straight 180°M8 connects typeFemale 3polesFemale 3polesFemale 3polesNumber of contacts connectedn°2n°2n°2Packaging1pc / bag1pc / bag1pc / bag1pc / bagOther accessories optionsSee accessories sectionImage: SectionImage: Section		-	-	-	
Technical data Rated voltage 50V AC/60 V DC 24V AC/DC 24V DC Circuit type - Bipolar Led Led + Diode(1A) Led colour - Red Red Central fixing screw M3 L=25mm M3 L=25mm M3 L=25mm Central fixing screw material Iron+Zinc plated Iron+Zinc plated Iron+Zinc plated Central screw torque 0.5 N*m 0.5 N*m 0.5 N*m M8 Connector type Straight 180° Straight 180° Straight 180° M8 contacts type Female 3poles Female 3poles Female 3poles Number of contacts connected n°2 n°2 n°2 Packaging 1pc / bag 1pc / bag 1pc / bag Other accessories options See accessories section Notes: Image: Section		M8	M8	M8	
Circuit type-Bipolar LedLed + Diode(1A)Led colour-RedRedCentral fixing screwM3 L=25mmM3 L=25mmM3 L=25mmCentral fixing screw materialIron+Zinc platedIron+Zinc platedIron+Zinc platedCentral screw torque0.5 N*m0.5 N*m0.5 N*mM8 Connector typeStraight 180°Straight 180°Straight 180°M8 contacts typeFemale 3polesFemale 3polesFemale 3polesNumber of contacts connectedn°2n°2n°2Packaging1pc / bag1pc / bag1pc / bag1pc / bagOther accessories sectionNotes:			1	1	
Led colour - Red Central fixing screw M3 L=25mm M3 L=25mm Central fixing screw material Iron+Zinc plated Iron+Zinc plated Central screw torque 0.5 N*m 0.5 N*m Central screw torque 0.5 N*m 0.5 N*m M8 Connector type Straight 180° Straight 180° M8 contacts type Female 3poles Female 3poles Number of contacts connected n°2 n°2 n - - Packaging 1pc / bag 1pc / bag Other accessories section Straight 180° 1pc / bag	Rated voltage	50V AC/60 V DC	24V AC/DC	24V DC	
Led colour-RedRedCentral fixing screwM3 L=25mmM3 L=25mmM3 L=25mmCentral fixing screw materialIron+Zinc platedIron+Zinc platedIron+Zinc platedCentral screw torque0.5 N*m0.5 N*m0.5 N*mM8 Connector typeStraight 180°Straight 180°Straight 180°M8 contacts typeFemale 3polesFemale 3polesFemale 3polesNumber of contacts connectedn°2n°2n°2Packaging1pc / bag1pc / bag1pc / bagOther accessories sectionNotes:Image: SectionImage: SectionImage: Section	Circuit type	-	Bipolar Led	Led + Diode(1A)	
Central fixing screw material Iron+Zinc plated Iron+Zinc plated Iron+Zinc plated Central screw torque 0.5 N*m 0.5 N*m 0.5 N*m M8 Connector type Straight 180° Straight 180° Straight 180° M8 contacts type Female 3poles Female 3poles Female 3poles Number of contacts connected n°2 n°2 n°2 Number of contacts connected n°2 n°2 n°2 Packaging 1pc / bag 1pc / bag 1pc / bag Other accessories section Notes: Icon / bag Icon / bag	Led colour	-	Red		
Central screw torque0.5 N*m0.5 N*m0.5 N*mM8 connector typeStraight 180°Straight 180°Straight 180°M8 contacts typeFemale 3polesFemale 3polesFemale 3polesNumber of contacts connectedn°2n°2n°2Number of contacts connectedn°2n°2n°2Other accessories sectionsectionsectionsectionNotes:Image: sectionsectionsection	Central fixing screw	M3 L=25mm	M3 L=25mm	M3 L=25mm	
Central screw torque 0.5 N*m 0.5 N*m M8 Connector type Straight 180° Straight 180° Straight 180° M8 contacts type Female 3poles Female 3poles Female 3poles Number of contacts connected n°2 n°2 n°2 Image: Straight 180° Image: Straight 180° Straight 180° Number of contacts connected n°2 n°2 n°2 Image: Straight 180° Image: Straight 180° Image: Straight 180° Number of contacts connected n°2 n°2 n°2 Image: Straight 180° Image: Straight 180° Image: Straight 180° Image: Straight 180° Image: Straight 180° Image: Straight 180° Image: Straight 180° Image: Straight 180° Image: Straight 180° Image: Straight 180° Image: Straight 180° Image: Straight 180° Image: Straight 180° Image: Straight 180° Image: Straight 180° Image: Straight 180° Image: Straight 180° Image: Straight 180° Image: Straight 180° Image: Straight 180° Image: Straight 180° Image: Straight 180° Image: Straight 180° Image: Straight 180° Image: Straight 180° Image: Straight 180° Image: Straight 180° Image: Straight 180° Image: Straight 180° Image: Straight 180° Image: St		Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated	
M8 contacts type Female 3poles Female 3poles Female 3poles Number of contacts connected n°2 n°2 n°2 Image: Number of contacts connected n°2 n°2 n°2 Image: Number of contacts connected n°2 n°2 n°2 Image: Number of contacts connected n°2 n°2 Image: New York Image: Number of contacts connected n°2 n°2 Image: New York Image: Notes: Image: New York Image: New York Image: New York	Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m	
Number of contacts connected n°2 n°2 Image: Number of contacts connected n°2 Image: Notes:	M8 Connector type	Straight 180°	Straight 180°	Straight 180°	
Image: section Image: section Notes: Image: section	M8 contacts type	Female 3poles	Female 3poles	Female 3poles	
Qty/Bag 1pc / bag 1pc / bag 1pc / bag Other accessories options See accessories section Notes:	Number of contacts connected	n°2	n°2	n°2	
Qty/Bag 1pc / bag 1pc / bag Other accessories options See accessories section Notes:					
Qty/Bag 1pc / bag 1pc / bag Other accessories options See accessories section Notes:	Packaging		1		
Other accessories options See accessories section Notes:		1pc / bag	1pc / bag	1pc / bag	
See accessories section Notes:					
	Notes:	Connector available with different circuits	Connector available with different led colour	Connector available with different led colour	



Adapters DIN valve connectors - Form A EN175301-803(DIN43650) + M12/M8 connectors







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M8X1

Product description

Connector type	Adapter DIN valve connector-M8 connector		
Conforms to	EN175301-803		
Construction type	A		
Part number	BGB1N02000A-08FD3		
Description	Adapter square connector EN175301-803 (form A)top exit male-M8 circular connector.		
Contacts spacing	18mm		
Number of contacts	2poles + P.E.		
Earth positioning	H.6		
Housing colour	Black		
Housing height	20mm		
Gasket type	-		
Circular connector type	M8		
Technical data			
Rated voltage	50V AC/60 V DC		
Circuit type	-		
Led colour	-		
Central fixing nut	M3x0.5 Closed		
Central fixing screw material	Iron+Zinc plated		
Central screw torque	0.5 N*m		
M8 Connector type	Straight 180°		
M8 contacts type	Female 3poles		
Number of contacts connected	n°2		
Packaging			
Qty/Box	1pc / bag		
Other accessories options			
See accessories section			
Notes:	Notes:		

А

H.6

-M8

Red

n°2

Adapters DIN valve connectors - Form B Industrial + M12/M8 connectors









Technical drawing	1 > 4	1 > + + + = 4	1)
	2 ⊃		2) → → → 3 → >N.C. N.C. ■ 1 → >N.C
5335 X QU X QU X QU X QU X QU X QU X QU X QU			
Product description			
Connector type	Adapter DIN valve connector-M8 connector	Adapter DIN valve connector-M8 connector	Adapter DIN valve connector-M8 connector
Conforms to	Industrial	Industrial	EN175301-803
Construction type	В	В	В
Part number	M1N02000C-08MD3	M1N02DL1C-08MD3	M1N02VL1C-08MD3
Description	Adapter rectangular industrial connector (form B) - M8 circular connector.	Adapter rectangular industrial connector (form B) - M8 circular connector.	Adapter rectangular industrial connector (form B) - M8 circular connector.
Contacts spacing	11mm	11mm	11mm
Number of contacts	2poles + 2P.E.	2poles + 2P.E.	2poles + 2P.E.
Earth positioning	H.6-12	H.6-12	H.6-12
Housing colour	Black	Black	Black
Housing height	22.9mm	22.9mm	22.9mm
Gasket type	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket
	M8	M8	M8
Circular connector type	WO	WO	WO
Technical data	60V AC/DC	241/ DC	2414 40/00
Rated voltage	60V AC/DC	24V DC	24V AC/DC
Circuit type	-	Led + Diode(1A)	Bipolar Led + Varistor
Led colour	-	Red	Red
Central fixing screw	M3 L=25mm	M3 L=25mm	M3 L=25mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m
M8 Connector type	Straight 180°	Straight 180°	Straight 180°
M8 contacts type	Male 3poles	Male 3poles	Male 3poles
Number of contacts connected	n°2	n°2	n°2
Packaging			
Qty/Bag	1pc / bag	1pc / bag	1pc / bag
Other accessories options			
See accessories section			
Notes:	Connector available with different circuits	Connector available with different led colour	Connector available with different led colour



Adapters DIN valve connectors - Form B Industrial + M12/M8 connectors







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Product description			
Connector type	Adapter DIN valve connector-M12 connector	Adapter DIN valve connector-M12 connector	Adapter DIN valve connector-M12 connector
Conforms to	Industrial	Industrial	Industrial
Construction type	B	B	B
Part number	- M1N02000C-12MD	M1N02DL1C-12MD	M1N02VL1C-12MD
Description	Adapter rectangular industrial connector	Adapter rectangular industrial connector	Adapter rectangular industrial connector
	(form B) - M12 circular connector.	(form B) - M12 circular connector.	(form B) - M12 circular connector.
Contacts spacing	11mm	11mm	11mm
Number of contacts	2poles + 2P.E.	2poles + 2P.E.	2poles + 2P.E.
Earth positioning	H.6-12	H.6-12	H.6-12
Housing colour	Black	Black	Black
Housing height	22.9mm	22.9mm	22.9mm
Gasket type	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket
Circular connector type	M12	M12	M12
Technical data			
Rated voltage	60V AC/DC	24V DC	24V AC/DC
Circuit type	-	Led + Diode(1A)	Bipolar Led + Varistor
Led colour	-	Red	Red
Central fixing screw	M3 L=25mm	M3 L=25mm	M3 L=25mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m
M12 Connector type	Straight 180°	Straight 180°	Straight 180°
M12 contacts type	Male 3poles	Male 3poles	Male 3poles
Number of contacts connected	n°3	n°3	n°3
Packaging			
Qty/Bag	1pc / bag	1pc / bag	1pc / bag
Other accessories options			
See accessories section			
Notes:			
	Connector available with different circuits	Connector available with different led colour	Connector available with different led colour

EN175301-803(DIN43650) + M12/M8 connectors









Technical drawing	1 >	1) 4	1 > 4
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Product description		1	
Connector type	Adapter DIN valve connector-M8 connector	Adapter DIN valve connector-M8 connector	Adapter DIN valve connector-M8 connector
Conforms to	EN175301-803	EN175301-803	EN175301-803
Construction type	В	В	В
Part number	M2N02000A-08MD3	M2N02DL1A-08MD3	M2N02VL1A-08MD3
Description	Adapter rectangular connector EN175301-803 (form B) - M8 circular connector.	Adapter rectangular connector EN175301-803 (form B) - M8 circular connector.	Adapter rectangular connector EN175301-803 (form B) - M8 circular connector.
Contacts spacing	10mm	10mm	10mm
Number of contacts	2poles + P.E.	2poles + P.E.	2poles + P.E.
Earth positioning	H.6	H.6	H.6
Housing colour	Black	Black	Black
Height housing	22.9mm	22.9mm	22.9mm
Gasket type	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket
Circular connector type	M8	M8	M8
Technical data		·	
Rated voltage	60V AC/DC	24V DC	24V AC/DC
Circuit type	-	Led + Diode(1A)	Bipolar Led + Varistor
Led colour	-	Red	Red
Central fixing screw	M3 L=25mm	M3 L=25mm	M3 L=25mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m
M8 Connector type	Straight 180°	Straight 180°	Straight 180°
M8 contacts type	Male 3poles	Male 3poles	Male 3poles
Number of contacts connected	n°2	n°2	n°2
Packaging			
Qty/Bag	1pc / bag	1pc / bag	1pc / bag
Other accessories options			
See accessories section			
Notes:			
	Connector available with different circuits	Connector available with different led colour	Connector available with different led colour
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VALVE CONNECTORS Adapters DIN valve connectors - Form B

EN175301-803(DIN43650) + M12/M8 connectors







Technical drawing	1)	1 >	1 >
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Product description			
Connector type	Adapter DIN valve connector-M12 connector	Adapter DIN valve connector-M12 connector	Adapter DIN valve connector-M12 connector
Conforms to	EN175301-803	EN175301-803	EN175301-803
Construction type	В	В	В
Part number	M2N02000A-12MD3	M2N02DL1A-12MD	M2N02VL1A-12MD
Description	Adapter rectangular connector EN175301-803 (form B) - M12 circular connector.	Adapter rectangular connector EN175301-803 (form B) - M12 circular connector.	Adapter rectangular connector EN175301-803 (form B) - M12 circular connector.
Contacts spacing	10mm	10mm	10mm
Number of contacts	2poles + P.E.	2poles + P.E.	2poles + P.E.
Earth positioning	H.6	Н.6	Н.6
Housing colour	Black	Black	Black
Housing height	22.9mm	22.9mm	22.9mm
Gasket type	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket
Circular connector type	M12	M12	M12
Technical data			
Rated voltage	60V AC/DC	24V DC	24V AC/DC
Circuit type	-	Led + Diode(1A)	Bipolar Led + Varistor
Led colour	-	Red	Red
Central fixing screw	M3 L=25mm	M3 L=25mm	M3 L=25mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m
M12 Connector type	Straight 180°	Straight 180°	Straight 180°
M12 contacts type	Male 3poles	Male 3poles	Male 3poles
Number of contacts connected	n°3	n°3	n°3
Packaging		4	4 / 6
Qty/Bag	1pc / bag	1pc / bag	1pc / bag
Other accessories options			
See accessories section			
Notes:	Connector available with different circuits	Connector available with different led colour	Connector available with different led colour



Adapters DIN valve connectors - Form C EN175301-803(DIN43650) + M12/M8 connectors

2 Junct 1 Junct	Circuit type - Led colour - Central fixing screw M2.5 L=21.5m Central fixing screw material Iron+Zinc plate Central screw torque 0.5 N*m M8 Connector type Straight 180° M8 contacts type Male 3poles Number of contacts connected n°2 Packaging Image: Contact science	nm M2.5 L=21.5 Iron+Zinc pla 0.5 N*m Straight 180° Male 3poles n°2	ted Iro 0. Stu Ma	2.5 L=21.5mm on + Zinc plated 5 N*m raight 180° ale 3poles 2
2) I = 0 2) I = 0	Circuit type - Led colour - Central fixing screw M2.5 L=21.5m Central fixing screw material Iron + Zinc plate Central screw torque 0.5 N*m M8 Connector type Straight 180° M8 contacts type Male 3poles Number of contacts connected n°2 Packaging 1pc / bag Other accessories options 1pc / bag	nm M2.5 L=21.5 Iron+Zinc pla 0.5 N*m Straight 180° Male 3poles n°2	ted Iro 0. Stu Ma	2.5 L=21.5mm on + Zinc plated 5 N*m raight 180° ale 3poles 2
$ \begin{array}{c c c c c c } \hline \\ \hline $	Circuit type - Led colour - Central fixing screw M2.5 L=21.5m Central fixing screw material Iron + Zinc plate Central screw torque 0.5 N*m M8 Connector type Straight 180° M8 contacts type Male 3poles Number of contacts connected n°2 Packaging 1pc / bag	nm M2.5 L=21.5 Iron+Zinc pla 0.5 N*m Straight 180° Male 3poles n°2	ted Iro 0. Stu Ma	2.5 L=21.5mm on + Zinc plated 5 N*m raight 180° ale 3poles 2
$ \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c}$	Circuit type - Led colour - Central fixing screw M2.5 L = 21.5m Central fixing screw material Iron + Zinc plate Central screw torque 0.5 N*m M8 Connector type Straight 180° M8 contacts type Male 3poles Number of contacts connected n°2	nm M2.5 L=21.5 Iron+Zinc pla 0.5 N*m Straight 180° Male 3poles n°2	ted Iro 0. Stu Ma	2.5 L=21.5mm on + Zinc plated 5 N*m raight 180° ale 3poles 2
22 3 130.C N.C 140.C	Circuit type - Led colour - Central fixing screw M2.5 L=21.5m Central fixing screw material Iron+Zinc plate Central screw torque 0.5 N*m M8 Connector type Straight 180° M8 contacts type Male 3poles	mm M2.5 L=21.5 vd Iron + Zinc pla 0.5 N*m Straight 180° Male 3poles Male 3poles	ted Iro 0.4 Str Ma	2.5 L=21.5mm on+Zinc plated 5 N*m raight 180° ale 3poles
22 3 2 3	Circuit type - Led colour - Central fixing screw M2.5 L=21.5m Central fixing screw material Iron+Zinc plate Central screw torque 0.5 N*m M8 Connector type Straight 180° M8 contacts type Male 3poles	mm M2.5 L=21.5 vd Iron + Zinc pla 0.5 N*m Straight 180° Male 3poles Male 3poles	ted Iro 0.4 Str Ma	2.5 L=21.5mm on+Zinc plated 5 N*m raight 180° ale 3poles
Image: space of the space	Circuit type - Led colour - Central fixing screw M2.5 L=21.5m Central fixing screw material Iron + Zinc plate Central screw torque 0.5 N*m M8 Connector type Straight 180°	mm M2.5 L=21.5 kd Iron+Zinc pla 0.5 N*m Straight 180°	ted Iro 0.4 Sti	2.5 L=21.5mm on+Zinc plated 5 N*m raight 180°
$\begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} $	Circuit type	mm M2.5 L=21.5 d Iron+Zinc pla 0.5 N*m	ted Iro	2.5 L=21.5mm on+Zinc plated 5 N*m
2) 2) <t< td=""><td>Circuit type</td><td>m M2.5 L=21.5 d Iron+Zinc pla</td><td>ted Iro</td><td>2.5 L=21.5mm on+Zinc plated</td></t<>	Circuit type	m M2.5 L=21.5 d Iron+Zinc pla	ted Iro	2.5 L=21.5mm on+Zinc plated
$ \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c}$	Circuit type - Led colour - Central fixing screw M2.5 L=21.5m	nm M2.5 L=21.5		2.5 L=21.5mm
Product descriptionProduct descriptionAdapter DIN valve connector-M8 connectorAdapter DIN valve connector-M8 connectorAdapter DIN valve connector-M8 connectorProduct descriptionEM175301-803EM175301-803EM175301-803Connector typeAdapter DIN valve connector -M8 connectorAdapter DIN valve connector-M8 connectorConnector typeCCCContorns toEM175301-803EM175301-803Construction typeCCCP1N02200C-08MD3P1N02201-08MD3P1N022U1-08MD3DescriptionAdapter square connector EN175301-803Adapter square connector.Contacts spacingBmmBmmBmmNumber of contacts2poles + 2P.E.2poles + 2P.E.DescriptionHo-12Ho-12Ho-12Housing colourBlackBlackBlackHousing height21mm21mm21mmCatact typeM8M8M8Technical typeM8M8Concatct typeM8M8Contact typeIntegrated NBR gasketIntegrated NBR gasketContacts typeM8M8Contact typeM8M8Contact type-Led + Diode(1A)Contact type	Circuit type Led colour -			
Image: construction typeAdapter DIN valve connector-M8 connector image: connector the typeAdapter DIN valve connector the typeAdapter DIN valve connector the typeDescriptionCCCCPintozoli C-08MD3Pintozoli C-08MD3Pintozvi C-08MD3Adapter square connector EN175301-803DescriptionAdapter square connector EN175301-803Pintozvi C-08MD3Pintozvi C-08MD3DescriptionAdapter square connector EN175301-803Pintozvi C-08MD3Pintozvi C-08MD3DescriptionAdapter square connector EN175301-803Pintozvi C-08MD3Pintozvi C-08MD3DescriptionAdapter square connector EN175301-803Pintozvi C-08MD3Pintozvi C-08MD3Descr	Circuit type -		Re	be
2)2)3)2)3)2)3)2)3)2)3)2)3) <td>0</td> <td>Led + Diode(</td> <td>, ,</td> <td>1</td>	0	Led + Diode(, ,	1
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Product description Adapter DIN valve connector-M8 connector Adapter DIN valve connector-M8 connector Adapter DIN valve connector-M8 connector Construction type C C C Product operation C C C Construction type C C C Part number P100200C-08MD3 P100201C-08MD3 P100201C-08MD3 Description Adapter square connector. C C Contacts spacing Bmm Bmm Bmm Bmm Number of contacts 2poles + 2P.E. 2poles + 2P.E. 2poles + 2P.E. 2poles + 2P.E. Eath positioning H.6-12 H.6-12 H.6-12 H.6-12 H.6-12				
Product descriptionAdapter DIN valve connector -M8 connectorAdapter DIN valve connector -M8 connectorAdapter DIN valve connector -M8 connectorConnector typeAdapter Square connector FN175301-803EN175301-803EN175301-803Construction typeCCCPart numberP1N0200C-08MD3P1N02L1C-08MD3P1N02L1C-08MD3DescriptionAdapter square connector EN175301-803Adapter square connector EN175301-803Contacts spacing8mm8mm8mmNumber of contacts2poles + 2P.E.2poles + 2P.E.	1 5			
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2	(form C) - M8 c	sircular connector. (form C) - M8	circular connector. (fo	orm C) - M8 circular connector.
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$\begin{array}{c} 2 \\ \frac{1}{2} \\ \frac{1}{$		lve connector-M8 connector Adapter DIN v	alve connector-M8 connector Ac	dapter DIN valve connector-M8 connect
$\begin{array}{c} 2 \\ + \\ + \\ + \\ + \\ + \\ + \\ + \\ + \\ + \\$	Product description			
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Product description	Adapter DIN valve connector-M12 connector	Adapter DIN valve connector-M12 connector	Adapter DIN valve connector-M12 connector
Connector type Conforms to	EN175301-803	EN175301-803	EN175301-803
Construction type	C	C	C
Part number	P1N02000C-12MD	P1N02DL1C-12MD	P1N02VL1C-12MD
	Adapter square connector EN175301-803	Adapter square connector EN175301-803	Adapter square connector EN175301-803
Description	(form C) - M12 circular connector.	(form C) - M12 circular connector.	(form C) - M12 circular connector.
Contacts spacing	8mm	8mm	8mm
Number of contacts	2poles + 2P.E.	2poles + 2P.E.	2poles + 2P.E.
Earth positioning	H.6-12	H.6-12	H.6-12
Housing colour	Black	Black	Black
Housing height	21mm	21mm	21mm
Gasket type	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket
Circular connector type	M12	M12	M12
Technical data			
Rated voltage	60V AC/DC	24V DC	24V DC
Circuit type	-	Led + Diode(1A)	Bipolar Led + Varistor
Led colour	-	Red	Red
Central fixing screw	M2.5 L=21.5mm	M2.5 L=21.5mm	M2.5 L=21.5mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m
M12 Connector type	Straight 180°	Straight 180°	Straight 180°
M12 contacts type	Male 3poles	Male 3poles	Male 3poles
Number of contacts connected	n°3	n°3	n°3
Packaging	4	des / h ==	1
Qty/Bag	1pc / bag	1pc / bag	1pc / bag
Other accessories options			
See accessories section			1
Notes:	Connector available with different circuits	Connector available with different led colour	Connector available with different led colour

Adapters DIN valve connectors - Form C Industrial + M12/M8 connectors









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Product description			
Connector type	Adapter DIN valve connector-M8 connector	Adapter DIN valve connector-M8 connector	Adapter DIN valve connector-M8 connector
Conforms to	Industrial	Industrial	Industrial
Construction type	C	C	C
Part number	P2N02000C-08MD3	P2N02DL1C-08MD3	P2N02VL1C-08MD3
Description	Adapter square industrial micro connector (form C) - M8 circular connector.	Adapter square industrial micro connector (form C) - M8 circular connector.	Adapter square industrial micro connector (form C) - M8 circular connector.
Contacts spacing	9.4mm	9.4mm	9.4mm
Number of contacts	2poles + 2P.E.	2poles + 2P.E.	2poles + 2P.E.
Earth positioning	H.6-12	H.6-12	H.6-12
Housing colour	Black	Black	Black
Housing height	21mm	21mm	21mm
Gasket type	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket
Circular connector type	M8	M8	M8
Technical data			
Rated voltage	60V AC/DC	24V DC	24V AC/DC
Circuit type	-	Led + Diode(1A)	Bipolar Led + Varistor
Led colour	-	Red	Red
Central fixing screw	M3 L=21.5mm	M3 L=21.5mm	M3 L=21.5mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m
M8 Connector type	Straight 180°	Straight 180°	Straight 180°
M8 contacts type	Male 3poles	Male 3poles	Male 3poles
Number of contacts connected	n°2	n°2	n°2
Packaging			
Qty/Bag	1pc / bag	1pc / bag	1pc / bag
Other accessories options			
See accessories section			
Notes:	Connector available with different circuits	Connector available with different led colour	Connector available with different led colour



Industrial + M12/M8 connectors







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	4	4 <u>M12×1</u>	4 <u>M12x1</u>
Product description			
Connector type	Adapter DIN valve connector-M12 connector	Adapter DIN valve connector-M12 connector	Adapter DIN valve connector-M12 connector
Conforms to	Industrial	Industrial	Industrial
Construction type	C	C	C
Part number	P2N02000C-12MD	P2N02DL1C-12MD	P2N02VL1C-12MD
Description	Adapter square industrial micro connector	Adapter square industrial micro connector	Adapter square industrial micro connector
Description	(form C) - M12 circular connector.	(form C) - M12 circular connector.	(form C) - M12 circular connector.
Contacts spacing	9.4mm	9.4mm	9.4mm
Number of contacts	2poles + 2P.E.	2poles + 2P.E.	2poles + 2P.E.
Earth positioning	H.6-12	H.6-12	H.6-12
Housing colour	Black	Black	Black
Housing height	21mm	21mm	21mm
Gasket type	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket
Circular connector type	M12	M12	M12
Technical data		·	
Rated voltage	60V AC/DC	24V DC	24V DC
Circuit type	-	Led + Diode(1A)	Bipolar Led + Varistor
Led colour	-	Red	Red
Central fixing screw	M3 L=21.5mm	M3 L=21.5mm	M3 L=21.5mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m
M12 Connector type	Straight 180°	Straight 180°	Straight 180°
M12 contacts type	Male 3poles	Male 3poles	Male 3poles
Number of contacts connected	n°3	n°3	n°3
Packaging		1	
Qty/Bag	1pc / bag	1pc / bag	1pc / bag
Other accessories options	ipo/ bug	1907 549	1007 049
See accessories section			
Notes:			
	Connector available with different circuits	Connector available with different led colour	Connector available with different led colour

Digital timer



• SPECIFICATIONS:

The Digital Timer is a product for cyclical repetition control. The load is supplied as soon as the power is switched on. The "ON" button control is used to select the ON-time valve. The "OFF" button control is used to select the OFF-time valve between the two sequential times.

The sequence is repeated as long as the power supply remains connected. The "TEST" button is used to confirm the choice. Two leds and the display are used to show the TIMER's phase.

INSTALLATION INSTRUCTIONS:

- STEP 1 : The DIN connector has to connected on the TIMER and please make sure that the gasket is correctly placed and the screw is correctly tightened (0,5 N/m).
- **STEP 2** : Switch ON the power.

Note: the voltage must comply with the voltage mentioned on the coil.

 STEP 3 : When the unit is installed correctly and operative, you can change the pre-set values to whatever ranging from 0.5 sec. to 99 sec. for the ON time.

 To change ON time simply press the "ON" button for 3 sec. and

"sec" will start flashing on right side of the display.

The previously set ON time will appear on the display and the "on" led will be on

You can now press the "on" button to increase the time or the "off" button to decrease the time.

STEP 4 : Press the "Test / Enter" button to confirm your choice.

 $\ensuremath{\text{STEP 5}}$: You can change the pre-set values to whatever ranging from 0.5 min to 99 min. for the OFF time.

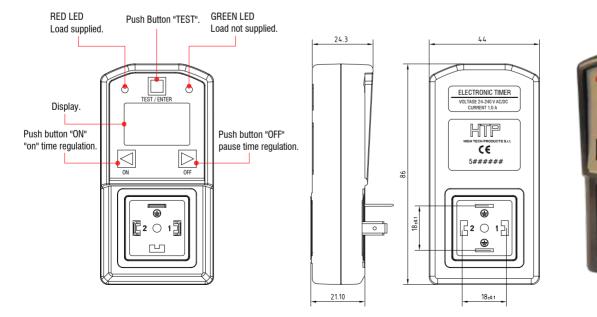
To change the OFF time simply press the 'off' button for 3 sec. and 'min' will start flashing on the right side of the display.

The previously set OFF time will appear on the display and the 'off' led will be on.

You can now press the arrow 'on' button for to increase the time or the 'off' button to decrease the time.

STEP 6 : Press the "test/enter" button to confirm your choice.

Product description	
Connector type	Digital Timer
Construction type	A
Part number	TIMER-DIG
Description	Digital Timer suitable for EN175301-803 connectors (type A)
Contacts spacing	18mm
Number of contacts	2poles + P.E.
Earth positioning	H.12
Housing colour	Black
Timer dimensions	44mm x 86mm x 24.3mm
Gasket type	Flat NBR gasket
Technical data	
Type of termination	Valve Connector EN175301-803 (type A) Valve Base EN175301-803 (type A)
Rated voltage	24V240V AC/DC 50/60 Hz
Value accuracy	±10%
Max. Current	1 A
Temperature Range	- 10°C +50°C
Led colour	ON time : Red ; OFF time : Green
ON Time	From 0 sec. to 9 sec. ; step 0.5sec.
	From 10 sec. to 99 sec. ; step 1 sec.
OFF Time	From 0 min. to 9.5 min. ; step 0.5 min.
	From 10 min. to 99 min. ; step 1 min.
Central fixing screw	M3 L=55mm
Central fixing screw material	Iron+Zinc plated
Central screw torque	0.5 N*m
Material	
Housing material	ABS
Contacts material	Brass + Silver plated
Packaging	
Qty/Box	1pc / box







Circuits codification scheme

Input type	Wiring diagram	Rated voltage	Circuit code	Led colour	Circuit description	Product type field attachable	Product type with cable
AC / DC	o	250V 300V	00	-	Circuit without electronic components.	G1 - G1C G4 M1 M2 P1 P2	CG1 CM2 CGB CP1 CM1 CP2 CM1B CP2C
AC	~ 0 C 1+	10-230V	CR	-	Circuit with Full-wave rectifier to polarize the output current (DC) independently to input current type (AC) and Condenser to reduce the ripple on the output.	G1 G4 M1 M2	CG1 CM2* CGB CP1* CM1* CP2* CM1B* CP2C*
DC	+ 0 (1 (2	1-230V	DO	-	Circuit with Diode to give overvoltage protection when switching off supply. Must be respected the polarity direction.	G1 - G1C G4 M1 M2 P1 P2	CG1 CM2 CGB CP1 CM1 CP2 CM1B CP2C
	+ 0	12V	DG	Yellow	Circuit with Diode to give overvoltage protection	G1 - G1C G4	CG1 CM2
DC		24V 48V 115V	DL	Red	when switching off supply and unipolar indicator Red Led to confirm voltage supply.		CGB CP1 CM1 CP2
		230V	DV	Green	Must be respected the polarity direction.	P1 P2	CM1B CP2C
AC	~ 0-D+C1 Z ~ 0	1-230V	E1	-	Circuit with Half-wave rectifier and Diode to give overvoltage protection when switching off supply.	G1 - G1C G4 M1 M2 P1 P2	CG1 CM2 CGB CP1 CM1 CP2 CM1B CP2C
AC		12V 24V 48V	EG EL	Yellow Red	Circuit with Half-wave rectifier + Diode to give overvoltage protection when switching off supply and bipolar indicator Led to confirm	G1 - G1C G4 M1	CG1 CM2 CGB CP1* CM1 CP2*
	~ 0	115V 230V	EV	Green	voltage supply.	M2	CM1B CP2C*
AC / DC		10-230V	FO	-	RC decay circuit to dissipate high energies generate by highly inductive loads.	G1 - G1C G4	CG1 CM2 CGB CP1* CM1 CP2* CM1B CP2C*
	<u>~</u> (1	12V	FG	Yellow			CG1 CM2*
AC / DC		24V 48V 115V	FL	Red	RC decay circuit to dissipate high energies generate by highly inductive loads and bipolar indicator Led to confirm voltage supply.	G1-G1C G4	CGB CP1* CM1* CP2*
	- · · · · · · · · · · · · · · · · · · ·	230V	FV	Green			CM1B* CP2C*
	o (1	12V	L8	Yellow	Circuit with bipolar indicator Led to confirm	G1-G1C G4	CG1 CM2
AC / DC		24V 48V 115V	LO	Red	voltage supply.	M1 M2	CGB CP1 CM1 CP2
		230V	L9	Green	Circuit without protection components.	P1 P2	CM1B CP2C

* = Product avaible with case overmoulded on the cable.



Circuits codification scheme



Input type	Wiring diagram	Rated voltage	Circuit code	Led colour	Circuit description	Product type field attachable	Product type with cable
	•	12V	L2	PIN 1:Green PIN 2:Red	Circuit with n°1 bicolour indicator Led.		
AC / DC	RED GREEN	24V 48V		PIN 2:Rea	Circuit without protection components.	G1 - G1C G4	-
		115V 230V	L22L	Red	Circuit with n°2 bipolar indicator Leds. Circuit without protection components.		
AC / DC	o⊂⊂1 ⊗ o⊂2	12V 24V 48V 115V 230V	PO	White	Circuit with filament lamp indicator to confirm voltage supply. Circuit without protection components.	G1 - G1C G4 M1 M2	-
DC		12V 24V 48V 115V 230V	QO	PIN 2:Red PIN 3:Green	Circuit with Bicolour Led to show the position of the changeover contact (ex. pressure switches) and n°2 Diodes to give overvoltage protection when switching off supply. Must be respected the polarity direction.	G1-G1C G4	CG1
DC		12V 24V 48V 115V 230V	Q1	PIN 2:Yellow PIN 3:Green	Circuit with Bicolour Led to show the position of the changeover contact (ex. pressure switches) and n°2 Diodes to give overvoltage protection when switching off supply. Must be respected the polarity direction.	G1 - G1C G4	CG1
DC		12V 24V 48V 115V 230V	Q2	PIN 2:Green PIN 3:Yellow	Circuit with Bicolour Led to show the position of the changeover contact (ex. pressure switches) and n°2 Diodes to give overvoltage protection when switching off supply. Must be respected the polarity direction.	G1 - G1C G4	CG1
DC		12V 24V 48V 115V 230V	Q6	PIN 1:Green PIN 2:Red	Circuit with Bicolour Led to show the position of the changeover contact (ex. pressure switches) and n°2 Diodes to give overvoltage protection when switching off supply. Must be respected the polarity direction.	G1 G4	CG1
DC		12V 24V 48V 115V 230V	Q8	PIN 2:Green PIN 3:Red	Circuit with Bicolour Led to show the position of the changeover contact (ex. pressure switches) and n°2 Diodes to give overvoltage protection when switching off supply. Must be respected the polarity direction.	G1 - G1C G4	CG1
AC	~ 0 C 1+	1-230V	RO	-	Circuit with Full-wave rectifier to polarize the output current (DC) independently to input current type (AC). Circuit without protection components.	G1 G4 M1 M2	CG1 CM2* CGB CP1* CM1* CP2* CM1B* CP2C*
AC	~ ° C 1+	12V 24V 48V 115V 230V	RV	-	Circuit with Full-wave rectifier to polarize the output current (DC) independently to input current type (AC) and Varistor to give overvoltage protection when switching off supply.	G1 G4 M1 M2	CG1 CM2* CGB CP1* CM1* CP2* CM1B* CP2C*

* = Product avaible with case overmoulded on the cable.



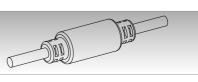
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Circuits codification scheme



Input type	Wiring diagram	Rated voltage	Circuit code	Led colour	Circuit description	Product type field attachable	Product type with cable
AC		12V 24V 48V 115V 230V	RE	Red	Circuit with Full-wave rectifier to polarize the output current (DC) independently to input current type (AC) and unipolar indicator Led to confirm voltage supply. Circuit without protection components.	G1 G4 M1 M2	CG1 CM2* CGB CP1* CM1* CP2* CM1B* CP2C*
AC		12V 24V	RG	Yellow	Circuit with Full-wave rectifier to polarize the output current (DC) independently to input current type (AC) and Varistor to give	G1 G4	CG1 CM2* CGB CP1*
AU	~ 0	48V 115V 230V	RL	Red	overvoltage protection when switching off supply + unipolar indicator Led to confirm voltage supply.	M1 M2	CM1* CP2* CM1B* CP2C*
DC	± 0 (1	1-230V	SO	-	Circuit with Half-wave rectifier and Diode to give overvoltage protection when switching off supply. With AC it eliminates half a cycle.	G1 - G1C G4 M1 M2	CG1 CM2 CGB CP1 CM1 CP2 CM1B CP2C
	to(1	12V	SG	Yellow	Circuit with Half-wave rectifier and Diode to give overvoltage protection when switching off	G1 - G1C	CG1 CM2
DC		24V 48V 115V	SL	Red	supply + unipolar indicator Led to confirm voltage supply.	G4 M1	CGB CP1* CM1 CP2*
	~~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	230V	SV	Green	With AC it eliminates half a cycle.	M2	CM1B CP2C*
	o 	12V	TG	Yellow	Circuit with Transient suppressor(Transil) to give overvoltage protection when	G1 - G1C	CG1 CM2
AC / DC		24V 48V 115V	TL	Red	switching off supply. Circuit protection component indipendent of	G4 M1	CGB CP1 CM1 CP2
		230V	TV	Green	polarity direction.	M2	CM1B CP2C
AC / DC	o	12V 24V 48V 115V 230V	VO	-	Circuit with Varistor to give overvoltage protection when switching off supply. Circuit protection component indipendent of polarity direction.	G1 - G1C G4 M1 M2 P1 P2	CG1 CM2 CGB CP1 CM1 CP2 CM1B CP2C
AC / DC	o	12V 24V 48V 115V 230V	V2	-	Circuit with n°2 Varistors to give overvoltage protection when switching off supply. Circuit protection component indipendent of polarity direction.	G1 - G1C G4	CG1 CGB CP1* CP2* CP2C*
	<u>∞+</u> (1	12V	VG	Yellow	Circuit with Varistor to give overvoltage protection when switching off supply and	G1-G1C G4	CG1 CM2
AC / DC		24V 48V 115V	VL	Red	bipolar indicator Led to confirm voltage supply.	M1 M2	CGB CP1 CM1 CP2
		230V	VV	Green	Circuit protection component indipendent of polarity direction.	P1 P2	CM1B CP2C
AC / DC		12V 24V 48V 115V 230V	WL	PIN 1:Yellow PIN 2:Red	Circuit with Bicolour Led to show the position of the changeover contact (ex. pressure switches) and n°2 Varistors to give overvoltage protection when switching off supply. Circuit protection component indipendent of polarity direction.	G1-G1C G4	CG1 CGB CP1* CP2* CP2C*

* = Product avaible with case overmoulded on the cable.





Circuits codification scheme

Input type	Wiring diagram	Rated voltage	Circuit code	Led colour	Circuit description	Product type field attachable		ct type cable
AC / DC	o⊂⊂1 o⊂2	12V 24V 48V 115V 230V	Z2	-	Circuit with n°2 Zener diodes to give overvoltage protection when switching off supply. Circuit protection component indipendent of polarity direction.	G1 - G1C G4 M1 M2	CG1 CGB CM1 CM1B	CM2 CP1* CP2* CP2C*
	<u>∩</u> (1	12V	ZG	Yellow	Circuit with n°2 Zener diodes to give overvoltage protection when switching off supply and	G1 - G1C	CG1	CM2
AC / DC		24V 48V 115V	ZL	Red	bipolar indicator Led to confirm voltage supply.	G4 M1	CGB CM1	CP1* CP2*
		230V	ZV	Green	Circuit protection component indipendent of polarity direction.	M2	CM1B	CP2C*

NOTES:



The circuits with **Full-wave rectifier** component, are available also with 4diodes instead of only one component. Add on the standard code the suffix - 4D.

• All the circuits with diodes are standard delivered for rated current 1A, but on customer request are also avaible diodes for rated current 3A.

- All the circuits with unipolar or bipolar leds are standard delivered in RED colour.
- The minimum lenght of the cable requested between the overmoulded connector head and moulded case is 100mm.
- In case of other circuits or components are requested please contact us to verify the feasibility.
- * = Product avaible with case overmoulded on the cable.

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Notes:

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Field attachable connectors - General features and codification scheme



• GENERAL FEATURES OF FIELD ATTACHABLE CONNECTORS:

Cable Gland ·

Plastic housing: ø CABLE 3.5 - 5mm. Metal housing: ø CABLE 3.5 - 5.5mm. SK : ø CABLE 3.5 - 5.5mm.

Conductor cross section : 0.14(26AWG) ... 0.50mm2(20AWG).

Fixing system : M8 coupling nut.

SERIES

GENDER – F : FEMALE. M : MALE. HOUSING TYPE

H 08 : M8 CIRCULAR CONNECTOR

C : STRAIGHT PLASTIC HOUSING 180°. 1 : STRAIGHT METAL HOUSING 180°.

NUMBERS OF POLES 3: 3POLES. 4: 4POLES. 8: 8POLES CABLE TYPE AND LENGTH

000 : WITHOUT CABLE.

CONTACTS TYPE

SOME VARIABLES

Max. screw torque IEC60947-1 : Contact screw torque 0.1 N*m. M8 coupling nut torque 0.2N*m. ATEX M8 coupling nut torque 0.4N*m.

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F

NO DIGIT : WITH SOLDER WIRES CONTACTS. S : WITH SCREW CONTACTS.

С

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ATEX : ATEX conform. HN : HEXAGONAL M8 COUPLING NUT. INOX : M8 COUPLING NUT IN STAINLESS STEEL(AISI304). IN316 : M8 COUPLING NUT IN STAINLESS STEEL(AISI316). SK : Cable gland SK style. Y : WITHOUT H.T.P.LOGO.

Type of terminations : Screw. Solder wires.

Contact material and treatment :

Brass + Gold flash. Housing material :

PA66 UL94-V2. PA66 UL94-V0 Atex approved. Brass+Nickel plated.

Internal core material : PA66 UL94-V2. PA66 UL94-V0 Atex approved.

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Coupling nut material : Brass+Nickel plated Stainless steel AISI304(upon request). Stainless steel AISI316(upon request).

Flammability resistance :

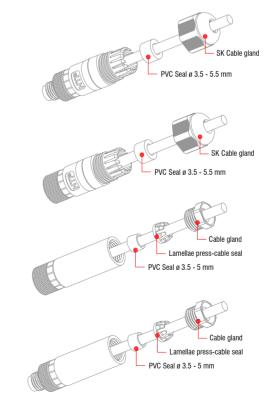
UL94-V2 - Standard UL94-V0 - ATEX approved.

Protection class : IP65/67 (assembled). IP55/57 ATEX approved.

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Operating temperature : -40°C +90°C.

-25°C +85°C(metal housing). -20°C +85°C ATEX approved.



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Field attachable connectors



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Technical drawing			-		-			
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STD style	3	3	3 1	3 4 2 1	3	3	3 1	3
Product description								
Connector type	Circular connecto	or field attachable	Circular connecto		Circular connecto	or field attachable	Circular connecto	or field attachable
Conforms to	IEC 61076-2-104	•	IEC 61076-2-104		IEC 61076-2-104		IEC 61076-2-104	1
Construction type	M8 A -Coding		M8 A -Coding		M8 A -Coding		M8 A -Coding	
Part number	08FC3000	08FC3000-SK	08FC4000	08FC4000-SK	08FC3000-S	08FC3000-S-SK		08FC4000-S-S
Housing type	Straight 180°		Straight 180°		Straight 180°		Straight 180°	
Cable gland	Exagonal SW10	SK PG7 model	Exagonal SW10	SK PG7 model	Exagonal SW10	SK PG7 model	Exagonal SW10	SK PG7 model
Description	Circular connector field attachable	or M8 series	Circular connecto field attachable	r M8 series	Circular connector field attachable	or M8 series	Circular connector field attachable	or M8 series
Contacts type	Female		Female					
			Torrialo		Female		Female	
Number of contacts	3poles		4poles		Female 3poles		Female 4poles	
	3poles Black							
Number of contacts Housing colour Technical data	-		4poles		3poles		4poles	
Housing colour Technical data	-	er wires	4poles	r wires	3poles		4poles	
Housing colour Technical data Type of termination Contact screw torque	Black Contacts to solde -	er wires	4poles Black Contacts to solde	r wires	3poles Black Screw contacts 0.1 N*m		4poles Black Screw contacts 0.1 N*m	
Housing colour Technical data Type of termination Contact screw torque	Black Contacts to solde	er wires	4poles Black Contacts to solde - PA66 UL94-V2		3poles Black Screw contacts 0.1 N*m PA66 UL94-V2		4poles Black Screw contacts 0.1 N*m PA66 UL94-V2	
Housing colour Technical data Type of termination Contact screw torque Housing material Contacts material	Black Contacts to solde - PA66 UL94-V2 Brass + Gold flast		4poles Black Contacts to solde - PA66 UL94-V2 Brass+Gold flast		3poles Black Screw contacts 0.1 N*m PA66 UL94-V2 Brass + Gold flash	1	4poles Black Screw contacts 0.1 N*m PA66 UL94-V2 Brass + Gold flas	h
Housing colour Technical data Type of termination Contact screw torque Housing material Contacts material Coupling nut type	Black Contacts to solde - PA66 UL94-V2 Brass + Gold flast Knurl round	1	4poles Black Contacts to solde - PA66 UL94-V2 Brass + Gold flash Knurl round	1	3poles Black Screw contacts 0.1 N*m PA66 UL94-V2 Brass + Gold flast Knurl round		4poles Black Screw contacts 0.1 N*m PA66 UL94-V2 Brass + Gold flas Knurl round	
Housing colour Technical data Type of termination Contact screw torque Housing material Contacts material Coupling nut type M8 coupling nut material	Black Contacts to solde - PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla	1	4poles Black Contacts to solde - PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla	1	3poles Black Screw contacts 0.1 N*m PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla		4poles Black Screw contacts 0.1 N*m PA66 UL94-V2 Brass + Gold flas Knurl round Brass + Nickel pla	
Housing colour Technical data Type of termination Contact screw torque Housing material Contacts material Coupling nut type M8 coupling nut material M8 coupling nut torque	Black Contacts to solde - PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.2 N*m	1	4poles Black Contacts to solde - PA66 UL94-V2 Brass+Gold flast Knurl round Brass+Nickel pla 0.2 N*m	1	3poles Black Screw contacts 0.1 N*m PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.2 N*m		4poles Black Screw contacts 0.1 N*m PA66 UL94-V2 Brass + Gold flas Knurl round Brass + Nickel pla 0.2 N*m	ated
Housing colour Technical data Type of termination Contact screw torque Housing material Contacts material Coupling nut type M8 coupling nut material M8 coupling nut torque Rated voltage	Black Contacts to solde - PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC	1	4poles Black Contacts to solde - PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC	1	3poles Black Screw contacts 0.1 N*m PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC		4poles Black Screw contacts 0.1 N*m PA66 UL94-V2 Brass + Gold flas Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC	ated
Housing colour Technical data Type of termination Contact screw torque Housing material Contacts material Coupling nut type M8 coupling nut material M8 coupling nut torque Rated voltage Rated current	Black Contacts to solde - PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A	1	4poles Black Contacts to solde - PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A	1	3poles Black Screw contacts 0.1 N*m PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A		4poles Black Screw contacts 0.1 N*m PA66 UL94-V2 Brass + Gold flas Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A	ated
Housing colour Technical data Type of termination Contact screw torque Housing material Contacts material Coupling nut type M8 coupling nut material M8 coupling nut torque Rated voltage Rated current Temperature range	Black Contacts to solde - PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C +90°C	1	4poles Black Contacts to solde - PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C +90°C	1	3poles Black Screw contacts 0.1 N*m PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C +90°C		4poles Black Screw contacts 0.1 N*m PA66 UL94-V2 Brass + Gold flas Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C + 90°C	ated
Housing colour Technical data Type of termination Contact screw torque Housing material Contacts material Coupling nut type M8 coupling nut material M8 coupling nut torque Rated voltage Rated current Temperature range O-ring material	Black Contacts to solde - PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C +90°C NBR	1 Ited	4poles Black Contacts to solde - PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C +90°C NBR	ted	3poles Black Screw contacts 0.1 N*m PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C +90°C NBR	ted	4poles Black Screw contacts 0.1 N*m PA66 UL94-V2 Brass + Gold flas Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C +90°C NBR	ated
Housing colour Technical data Type of termination Contact screw torque Housing material Contacts material Coupling nut type M8 coupling nut material M8 coupling nut torque Rated voltage Rated current	Black Contacts to solde - PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C +90°C	1	4poles Black Contacts to solde - PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C +90°C	1	3poles Black Screw contacts 0.1 N*m PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C +90°C		4poles Black Screw contacts 0.1 N*m PA66 UL94-V2 Brass + Gold flas Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C + 90°C	ated
Housing colour Technical data Type of termination Contact screw torque Housing material Contacts material Coupling nut type M8 coupling nut material M8 coupling nut torque Rated voltage Rated current Temperature range O-ring material	Black Contacts to solde - PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C +90°C NBR	1 Ited	4poles Black Contacts to solde - PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C +90°C NBR	ted	3poles Black Screw contacts 0.1 N*m PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C +90°C NBR	ted	4poles Black Screw contacts 0.1 N*m PA66 UL94-V2 Brass + Gold flas Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C +90°C NBR	ated
Housing colour Technical data Type of termination Contact screw torque Housing material Contacts material Coupling nut type M8 coupling nut material M8 coupling nut torque Rated voltage Rated current Temperature range O-ring material Suitable cable	Black Contacts to solde - PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C +90°C NBR	1 Ited	4poles Black Contacts to solde - PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C +90°C NBR	ted	3poles Black Screw contacts 0.1 N*m PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C +90°C NBR	ted	4poles Black Screw contacts 0.1 N*m PA66 UL94-V2 Brass + Gold flas Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C +90°C NBR	ated
Housing colour Technical data Type of termination Contact screw torque Housing material Contacts material Coupling nut type M8 coupling nut material M8 coupling nut torque Rated voltage Rated current Temperature range O-ring material Suitable cable Packaging	Black Contacts to solde - PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C +90°C NBR Ø 3.5 - 5mm	1 Ited	4poles Black - PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C +90°C NBR Ø 3.5 - 5mm	ted	3poles Black Screw contacts 0.1 N*m PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C +90°C NBR Ø 3.5 - 5mm	ted	4poles Black Screw contacts 0.1 N*m PA66 UL94-V2 Brass + Gold flas Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C + 90°C NBR Ø 3.5 - 5mm	ated

See the general features and codification scheme page

Field attachable connectors

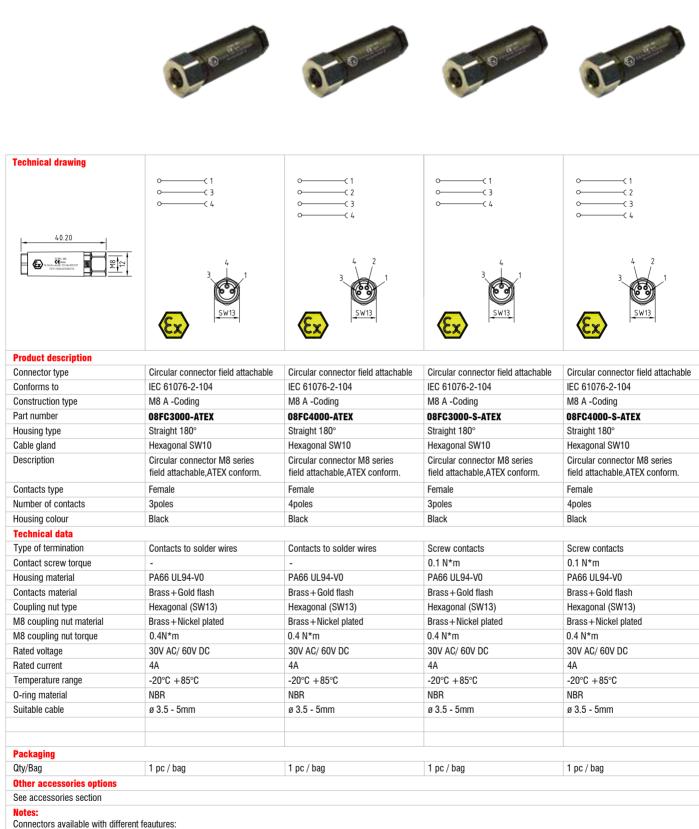


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Technical drawing	0	1	·	— 1	0	1	·	— 1
SK style	0	3	·	2	0	13	·	2
	0	4	·	3	0	14	·	3
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STD style	. 1 ⁴		1 3		1 3		1 3	
Product description								
Connector type	Circular connecto	or field attachable	Circular connecto	r field attachable	Circular connected	or field attachable	Circular connect	tor field attachable
Conforms to	IEC 61076-2-104		IEC 61076-2-104		IEC 61076-2-104	1	IEC 61076-2-10	4
Construction type	M8 A -Coding		M8 A -Coding		M8 A -Coding		M8 A -Coding	
Part number	08MC3000	08MC3000-SK	08MC4000	08MC4000-SK	08MC3000-S	08MC3000-S-SK	08MC4000-S	08MC4000-S-S
Housing type	Straight 180°		Straight 180°	1	Straight 180°		Straight 180°	
Cable gland	Exagonal SW10	SK PG7 model	Exagonal SW10	SK PG7 model	Exagonal SW10	SK PG7 model	Exagonal SW10	
Description	Circular connector field attachable	or M8 series	Circular connecto field attachable	r M8 series	Circular connector field attachable	or M8 series	Circular connect field attachable	tor M8 series
Contacts type	Male		Male		Male		Male	
Number of contacts	3poles		4poles		3poles		4poles	
Housing colour	Black		Black		Black		Black	
Technical data								
Technical data	Contacts to solde	er wires	Contacts to solde	r wires	Screw contacts		Screw contacts	
Technical data Type of termination Contact screw torque	-	er wires	-	r wires	0.1 N*m		0.1 N*m	
Technical data Type of termination Contact screw torque	Contacts to solde - PA66 UL94-V2	er wires	Contacts to solde - PA66 UL94-V2	r wires				
Technical data Type of termination Contact screw torque	-		- PA66 UL94-V2 Brass+Gold flash		0.1 N*m	h	0.1 N*m	sh
Technical data Type of termination Contact screw torque Housing material Contacts material Coupling nut type	- PA66 UL94-V2		- PA66 UL94-V2 Brass + Gold flash Knurl round	1	0.1 N*m PA66 UL94-V2 Brass + Gold flas Knurl round		0.1 N*m PA66 UL94-V2 Brass + Gold flas Knurl round	
Technical data Type of termination Contact screw torque Housing material Contacts material Coupling nut type M8 coupling nut material	- PA66 UL94-V2 Brass+Gold flast Knurl round Brass+Nickel pla	'n	- PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel pla	1	0.1 N*m PA66 UL94-V2 Brass+Gold flas Knurl round Brass+Nickel pla		0.1 N*m PA66 UL94-V2 Brass+Gold flas Knurl round Brass+Nickel pl	
Technical data Type of termination Contact screw torque Housing material Contacts material Coupling nut type M8 coupling nut material M8 coupling nut torque	- PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel pla 0.2 N*m	n	- PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel pla 0.2 N*m	1	0.1 N*m PA66 UL94-V2 Brass + Gold flas Knurl round Brass + Nickel pla 0.2 N*m	ated	0.1 N*m PA66 UL94-V2 Brass + Gold flas Knurl round Brass + Nickel pl 0.2 N*m	ated
Technical data Type of termination Contact screw torque Housing material Contacts material Coupling nut type M8 coupling nut material M8 coupling nut torque Rated voltage	- PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC	n	- PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC	1	0.1 N*m PA66 UL94-V2 Brass + Gold flas Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC	ated	0.1 N*m PA66 UL94-V2 Brass + Gold flas Knurl round Brass + Nickel pl 0.2 N*m 50V AC/ 60V DC	ated
Technical data Type of termination Contact screw torque Housing material Contacts material Coupling nut type M8 coupling nut material M8 coupling nut torque Rated voltage Rated current	- PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A	n	- PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A	1	0.1 N*m PA66 UL94-V2 Brass + Gold flas Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A	ated	0.1 N*m PA66 UL94-V2 Brass + Gold flas Knurl round Brass + Nickel pl 0.2 N*m 50V AC/ 60V DC 3A	ated
Technical data Type of termination Contact screw torque Housing material Contacts material Coupling nut type M8 coupling nut material M8 coupling nut torque Rated voltage Rated current Temperature range	- PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C +90°C	n	- PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C + 90°C	1	0.1 N*m PA66 UL94-V2 Brass + Gold flas Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C + 90°C	ated	0.1 N*m PA66 UL94-V2 Brass + Gold flas Knurl round Brass + Nickel pl 0.2 N*m 50V AC/ 60V DC 3A -40°C +90°C	ated
Technical data Type of termination Contact screw torque Housing material Contacts material Coupling nut type M8 coupling nut material M8 coupling nut torque Rated voltage Rated current Temperature range O-ring material	- PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C + 90°C NBR	n .ted	- PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C +90°C NBR	ted	0.1 N*m PA66 UL94-V2 Brass + Gold flas Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C +90°C NBR	ated	0.1 N*m PA66 UL94-V2 Brass + Gold flas Knurl round Brass + Nickel pl 0.2 N*m 50V AC/ 60V DC 3A -40°C +90°C NBR	ated
Technical data Type of termination Contact screw torque Housing material Contacts material	- PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C +90°C	n	- PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C + 90°C	1	0.1 N*m PA66 UL94-V2 Brass + Gold flas Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C + 90°C	ated	0.1 N*m PA66 UL94-V2 Brass + Gold flas Knurl round Brass + Nickel pl 0.2 N*m 50V AC/ 60V DC 3A -40°C +90°C	ated
Technical data Type of termination Contact screw torque Housing material Contacts material Coupling nut type M8 coupling nut material M8 coupling nut torque Rated voltage Rated current Temperature range O-ring material Suitable cable	- PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C + 90°C NBR	n .ted	- PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C +90°C NBR	ted	0.1 N*m PA66 UL94-V2 Brass + Gold flas Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C +90°C NBR	ated	0.1 N*m PA66 UL94-V2 Brass + Gold flas Knurl round Brass + Nickel pl 0.2 N*m 50V AC/ 60V DC 3A -40°C +90°C NBR	ated
Technical data Type of termination Contact screw torque Housing material Contacts material Coupling nut type M8 coupling nut material M8 coupling nut torque Rated voltage Rated current Temperature range O-ring material	- PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C + 90°C NBR	n .ted	- PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C +90°C NBR	ted	0.1 N*m PA66 UL94-V2 Brass + Gold flas Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C +90°C NBR	ated	0.1 N*m PA66 UL94-V2 Brass + Gold flas Knurl round Brass + Nickel pl 0.2 N*m 50V AC/ 60V DC 3A -40°C +90°C NBR	ated
Technical data Type of termination Contact screw torque Housing material Contacts material Coupling nut type M8 coupling nut material M8 coupling nut torque Rated voltage Rated current Temperature range O-ring material Suitable cable	- PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C +90°C NBR Ø 3.5 - 5mm	n .ted	- PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C +90°C NBR Ø 3.5 - 5mm	ted	0.1 N*m PA66 UL94-V2 Brass + Gold flas Knurl round Brass + Nickel pla 0.2 N*m 50V AC/ 60V DC 3A -40°C +90°C NBR Ø 3.5 - 5mm	ated	0.1 N*m PA66 UL94-V2 Brass + Gold flas Knurl round Brass + Nickel pl 0.2 N*m 50V AC/ 60V DC 3A -40°C +90°C NBR Ø 3.5 - 5mm	ated

Connectors available with different feautures: See the general features and codification scheme page

Field attachable connectors





See the general features and codification scheme page



Field attachable connectors

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	SW13	SW13	SW13	SW13
roduct description	1			
onnector type	Circular connector field attachable	Circular connector field attachable	Circular connector field attachable	Circular connector field attachab
onforms to	IEC 61076-2-104	IEC 61076-2-104	IEC 61076-2-104	IEC 61076-2-104
onstruction type	M8 A -Coding	M8 A -Coding	M8 A -Coding	M8 A -Coding
art number	08MC3000-ATEX	08MC4000-ATEX	08MC3000-S-ATEX	08MC4000-S-ATEX
ousing type	Straight 180°	Straight 180°	Straight 180°	Straight 180°
able gland	Hexagonal SW10	Hexagonal SW10	Hexagonal SW10	Hexagonal SW10
escription	Circular connector M8 series field attachable, ATEX conform.	Circular connector M8 series field attachable, ATEX conform.	Circular connector M8 series field attachable,ATEX conform.	Circular connector M8 series field attachable,ATEX conform.
ontacts type	Male	Male	Male	Male
umber of contacts	3poles	4poles	3poles	4poles
ousing colour	Black	Black	Black	Black
echnical data				
ype of termination	Contacts to solder wires	Contacts to solder wires	Screw contacts	Screw contacts
ontact screw torque	-	-	0.1 N*m	0.1 N*m
ousing material	PA66 UL94-V0	PA66 UL94-V0	PA66 UL94-V0	PA66 UL94-V0
ontacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
oupling nut type	Hexagonal (SW13)	Hexagonal (SW13)	Hexagonal (SW13)	Hexagonal (SW13)
18 coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
18 coupling nut torque	0.4 N*m	0.4 N*m	0.4 N*m	0.4 N*m
ated voltage	30V AC/ 60V DC	30V AC/ 60V DC	30V AC/ 60V DC	30V AC/ 60V DC
ated current	4A	4A	4A	4A
emperature range	-20°C +85°C	-20°C +85°C	-20°C +85°C	-20°C +85°C
-ring material	NBR	NBR	NBR	NBR
uitable cable	ø 3.5 - 5mm	ø 3.5 - 5mm	ø 3.5 - 5mm	ø 3.5 - 5mm
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See the general features and codification scheme page

Field attachable connectors



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Product description				
Connector type	Circular connector field attachable	Circular connector field attachable	Circular connector field attachable	Circular connector field attachat
Conforms to	IEC 61076-2-104	IEC 61076-2-104	IEC 61076-2-104	IEC 61076-2-104
Construction type	M8 A -Coding	M8 A -Coding	M8 A -Coding	M8 A -Coding
Part number	08F13000	08F14000	08M13000	08M14000
Housing type	Straight 180°	Straight 180°	Straight 180°	Straight 180°
Description	Circular connector M8 series field attachable for TOTALLY SHIELDED applications.	Circular connector M8 series field attachable for TOTALLY SHIELDED applications.	Circular connector M8 series field attachable for TOTALLY SHIELDED applications.	Circular connector M8 series fiel attachable for TOTALLY SHIELDI applications.
Contacts type	Female	Female	Male	Male
Number of contacts	3poles	4poles	3poles	4poles
Housing colour	Black	Black	Black	Black
Technical data	Diack	Diack	Diack	Diack
Type of termination	Screw contacts	Screw contacts	Screw contacts	Screw contacts
Contact screw torque	0.1 N*m	0.1 N*m	0.1 N*m	0.1 N*m
•				Brass+Nickel plated
Housing material	Brass+Nickel plated	Brass+Nickel plated	Brass + Nickel plated	1
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Coupling nut type	Knurl round	Knurl round	Knurl round	Knurl round Prace - Nickel plated
M8 coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated 0.2 N*m
M8 coupling nut torque	0.2 N*m	0.2 N*m	0.2 N*m	
Rated voltage Rated current	50V AC/ 60V DC 3A	50V AC/ 60V DC 3A	50V AC/ 60V DC	50V AC/ 60V DC 3A
			3A 25°C + 85°C	
Temperature range	-25°C +85°C	-25°C +85°C	-25°C +85°C	-25°C +85°C
O-ring material	NBR	NBR	NBR	NBR ø 3.5 - 5.5mm
Suitable cable	ø 3.5 - 5.5mm	ø 3.5 - 5.5mm	ø 3.5 - 5.5mm	וווווס.כ - כ.ט ש
			,	
Packaging				
Packaging Qty/Bag	1 pc / bag	1 pc / bag	1 pc / bag	1 pc / bag
	1 pc / bag	1 pc / bag	1 pc / bag	1 pc / bag

Connectors available with different feautures: See the general features and codification scheme page



Moulded cable connectors - General features and codification scheme

• GENERAL FEATURES OF MOULDED CONNECTORS:

Conductor cross section : 0.14(26AWG)...0.50mm²(20AWG).

Fixing system : M8 coupling nut.

Max. screw torque IEC60947-1 M8 coupling nut torque 0.2 N*m.

Type of terminations : Crimped wires.

Contact material and treatment : Brass + Gold flash. Housing material : Polyurethane.

Internal core material : PA66.

Coupling nut material :

Stainless steel AISI304(upon request). Stainless steel AISI316(upon request).

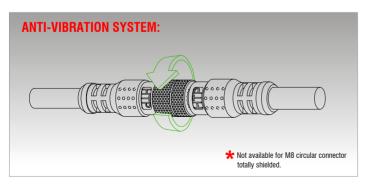
Brass+Nickel plated.

Protection class : IP 67/IP69K. **Operating temperature :** -25°C +90°C Standard. -25°C +120°C(UL approved).

08 F D 3 1Z 08 Μ D А ## -SERIES 08 : M8 CIRCULAR CONNECTOR GENDER F: FEMALE M: MALE CONNECTOR TYPE A : ANGLED 90°. D : STRAIGHT 180° E : ANGLED 90° WITH 2 LED NPN. F : ANGLED 90° WITH 2 LED PNP. G : STRAIGHT 180° WITH 2 LED PNP. H : STRAIGHT 180° WITH 2 LED NPN. I : STRAIGHT 180° WITH 3 LED PNP. J : STRAIGHT 180° TOTALLY SHIELDED. V : ANGLED 90° TOTALLY SHIELDED. W : STRAIGHT 180° SNAP Y : ANGLED 90° SNAP. NUMBERS OF POLES 3: 3POLES 4: 4POLES 6: 6POLES 8: 8POLES CABLE TYPE SEE CABLES FEATURES PAGE ## CABLE LENGTH A:+10cm B:+20cm 1Z : 1m EXAMPLE: "...1<u>C</u>" = 1.3m "...1<u>F</u>" = 1.6m" 2Z : 2m 3Z : 3m C:+30cm "...2Ā" = 2.1m" I:+90cm EXTENSION SPECIFY OTHER CONNECTOR'S SIDE

SOME VARIABLES

INOX: M8 COUPLING NUT IN STAINLESS STEEL(AISI304). IN316: M8 COUPLING NUT IN STAINLESS STEEL(AISI316). HN: HEXAGONAL M8 COUPLING NUT. S: SPECIAL STRIPPING/PEELING-TINNING. Y: WITHOUT H.T.P.LOGO. UL: UL APPROVED (3-4p.).



Moulded cable connectors



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roduct description					1	
connector type	Circular connector	with moulded cable		with moulded cable	Circular connector IEC 61076-2-104	with moulded cable
Conforms to	IEC 61076-2-104		IEC 61076-2-104			
Construction type	M8 A -Coding		M8 A -Coding		M8 A -Coding	
Description	Circular connector l cable	VI8 series with moulded	Circular connector cable	M8 series with moulded	Circular connector cable	M8 series with mould
Part number	08FD3A1Z	08FA3A1Z	08FD4A1Z	08FA4A1Z	08FD6K1Z	08FA6K1Z
Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°
Cable gland	Moulded cable		Moulded cable		Moulded cable	
	Female		Female		Female	
Contacts type					6poles	
	3poles		4poles		opoies	
lumber of contacts	3poles Black		4poles Black		Black	
lumber of contacts lousing colour					· ·	
lumber of contacts lousing colour rechnical data		vires		wires	· ·	wires
lumber of contacts lousing colour 'echnical data 'ype of termination	Black	vires	Black	wires	Black	wires
lumber of contacts lousing colour echnical data ype of termination contacts material	Black Contacts to crimp v	vires	Black Contacts to crimp	wires	Black Contacts to solder	wires
lumber of contacts Housing colour fechnical data Type of termination Contacts material Coupling nut type	Black Contacts to crimp v Brass + Gold flash		Black Contacts to crimp Brass + Gold flash		Black Contacts to solder Brass + Gold flash	
lumber of contacts Housing colour Fechnical data Type of termination Contacts material Coupling nut type //8 coupling nut material	Black Contacts to crimp v Brass + Gold flash Knurl round		Black Contacts to crimp Brass + Gold flash Knurl round		Black Contacts to solder Brass + Gold flash Knurl round	
lumber of contacts lousing colour 'echnical data 'ype of termination Contacts material Coupling nut type 1/8 coupling nut material 1/8 coupling nut torque tated voltage	Black Contacts to crimp v Brass + Gold flash Knurl round Brass + Nickel plate 0.2 N*m 50V AC/ 60V DC		Black Contacts to crimp Brass + Gold flash Knurl round Brass + Nickel plate 0.2 N*m 50V AC/ 60V DC		Black Contacts to solder Brass + Gold flash Knurl round Brass + Nickel plate 0.2 N*m 30V AC/DC	
Aumber of contacts Housing colour Technical data Type of termination Contacts material Coupling nut type Al8 coupling nut material Al8 coupling nut torque Rated voltage Rated current	Black Contacts to crimp v Brass + Gold flash Knurl round Brass + Nickel plate 0.2 N*m 50V AC/ 60V DC 3A		Black Contacts to crimp Brass + Gold flash Knurl round Brass + Nickel plate 0.2 N*m 50V AC/ 60V DC 3A		Black Contacts to solder Brass + Gold flash Knurl round Brass + Nickel plate 0.2 N*m 30V AC/DC 1.5A	
Aumber of contacts Housing colour Technical data Type of termination Sontacts material Coupling nut type A8 coupling nut material A8 coupling nut torque Rated voltage Rated current D-ring material	Black Contacts to crimp v Brass + Gold flash Knurl round Brass + Nickel plate 0.2 N*m 50V AC/ 60V DC 3A NBR		Black Contacts to crimp Brass + Gold flash Knurl round Brass + Nickel plate 0.2 N*m 50V AC/ 60V DC 3A NBR		Black Contacts to solder Brass + Gold flash Knurl round Brass + Nickel plate 0.2 N*m 30V AC/DC 1.5A NBR	
lumber of contacts lousing colour 'echnical data 'ype of termination Contacts material Coupling nut type A8 coupling nut material A8 coupling nut torque Rated voltage Rated current D-ring material Cable type	Black Contacts to crimp v Brass + Gold flash Knurl round Brass + Nickel plate 0.2 N*m 50V AC/ 60V DC 3A NBR PVC/PVC CEI2022		Black Contacts to crimp Brass + Gold flash Knurl round Brass + Nickel plate 0.2 N*m 50V AC/ 60V DC 3A NBR PVC/PVC CEI2022		Black Contacts to solder Brass + Gold flash Knurl round Brass + Nickel plate 0.2 N*m 30V AC/DC 1.5A NBR PVC/PVC CEI2022	
lumber of contacts lousing colour 'echnical data 'ype of termination Contacts material Coupling nut type A8 coupling nut material A8 coupling nut torque Rated voltage Rated current D-ring material Cable type Cable jacket colour	Black Contacts to crimp v Brass + Gold flash Knurl round Brass + Nickel plate 0.2 N*m 50V AC/ 60V DC 3A NBR PVC/PVC CEI2022 Black		Black Contacts to crimp Brass + Gold flash Knurl round Brass + Nickel plate 0.2 N*m 50V AC/ 60V DC 3A NBR PVC/PVC CEI2022 Black		Black Contacts to solder Brass + Gold flash Knurl round Brass + Nickel plate 0.2 N*m 30V AC/DC 1.5A NBR PVC/PVC CEI2022 Black	
Aumber of contacts Housing colour Technical data Type of termination Contacts material Coupling nut type A8 coupling nut material A8 coupling nut torque Rated voltage Rated current D-ring material Cable type Cable jacket colour	Black Contacts to crimp v Brass + Gold flash Knurl round Brass + Nickel plate 0.2 N*m 50V AC/ 60V DC 3A NBR PVC/PVC CEI2022 Black 3x0.25mm ²		Black Contacts to crimp Brass + Gold flash Knurl round Brass + Nickel plate 0.2 N*m 50V AC/ 60V DC 3A NBR PVC/PVC CEI2022 Black 4x0.25mm ²	ed	Black Contacts to solder Brass + Gold flash Knurl round Brass + Nickel plate 0.2 N*m 30V AC/DC 1.5A NBR PVC/PVC CEI2022 Black 6x0.14mm ²	d
Aumber of contacts Housing colour Fechnical data Type of termination Contacts material Coupling nut type A8 coupling nut material A8 coupling nut torque Rated voltage Rated voltage Rated current D-ring material Cable type Cable jacket colour Io.Conductors / Section Conductor colours	Black Contacts to crimp v Brass + Gold flash Knurl round Brass + Nickel plate 0.2 N*m 50V AC/ 60V DC 3A NBR PVC/PVC CEI2022 Black 3x0.25mm ² Brown; Blue; Black		Black Contacts to crimp Brass + Gold flash Knurl round Brass + Nickel plate 0.2 N*m 50V AC/ 60V DC 3A NBR PVC/PVC CEI2022 Black 4x0.25mm ² Brown; White; Blue	ed	Black Contacts to solder Brass + Gold flash Knurl round Brass + Nickel plate 0.2 N*m 30V AC/DC 1.5A NBR PVC/PVC CEI2022 Black 6x0.14mm ² Brown;White;Blue;I	d
Contacts type Jumber of contacts Housing colour Fechnical data Type of termination Contacts material Coupling nut type A8 coupling nut material A8 coupling nut torque Rated voltage Rated voltage Rated current D-ring material Cable type Cable jacket colour No.Conductors / Section Conductor colours Cable diameter	Black Contacts to crimp v Brass + Gold flash Knurl round Brass + Nickel plate 0.2 N*m 50V AC/ 60V DC 3A NBR PVC/PVC CEI2022 Black 3x0.25mm ²		Black Contacts to crimp Brass + Gold flash Knurl round Brass + Nickel plate 0.2 N*m 50V AC/ 60V DC 3A NBR PVC/PVC CEI2022 Black 4x0.25mm ²	ed	Black Contacts to solder Brass + Gold flash Knurl round Brass + Nickel plate 0.2 N*m 30V AC/DC 1.5A NBR PVC/PVC CEI2022 Black 6x0.14mm ²	d
Aumber of contacts Housing colour Fechnical data Type of termination Contacts material Coupling nut type M8 coupling nut material M8 coupling nut torque Rated voltage Rated voltage Rated current D-ring material Cable type Cable jacket colour No.Conductors / Section Conductor colours	Black Contacts to crimp v Brass + Gold flash Knurl round Brass + Nickel plate 0.2 N*m 50V AC/ 60V DC 3A NBR PVC/PVC CEI2022 Black 3x0.25mm ² Brown; Blue; Black		Black Contacts to crimp Brass + Gold flash Knurl round Brass + Nickel plate 0.2 N*m 50V AC/ 60V DC 3A NBR PVC/PVC CEI2022 Black 4x0.25mm ² Brown; White; Blue	ed	Black Contacts to solder Brass + Gold flash Knurl round Brass + Nickel plate 0.2 N*m 30V AC/DC 1.5A NBR PVC/PVC CEI2022 Black 6x0.14mm ² Brown;White;Blue;I	d
Aumber of contacts Housing colour Fechnical data Type of termination Contacts material Coupling nut type A8 coupling nut material A8 coupling nut torque Rated voltage Rated voltage Rated current D-ring material Cable type Cable jacket colour Io. Conductors / Section Conductor colours Cable diameter Cable length	Black Contacts to crimp v Brass + Gold flash Knurl round Brass + Nickel plate 0.2 N*m 50V AC/ 60V DC 3A NBR PVC/PVC CEI2022 Black 3x0.25mm² Brown; Blue; Black ø4mm (±0.3)		Black Contacts to crimp Brass + Gold flash Knurl round Brass + Nickel plate 0.2 N*m 50V AC/ 60V DC 3A NBR PVC/PVC CEI2022 Black 4x0.25mm ² Brown; White; Blue Ø4.4mm (±0.3)	ed	Black Contacts to solder Brass + Gold flash Knurl round Brass + Nickel plate 0.2 N*m 30V AC/DC 1.5A NBR PVC/PVC CEI2022 Black 6x0.14mm ² Brown;White;Blue;I ø4.9mm (±0.3)	d
Aumber of contacts Housing colour Fechnical data Type of termination Contacts material Coupling nut type A8 coupling nut material A8 coupling nut torque Rated voltage Rated current D-ring material Cable type Cable jacket colour No.Conductors / Section Conductor colours Cable diameter	Black Contacts to crimp v Brass + Gold flash Knurl round Brass + Nickel plate 0.2 N*m 50V AC/ 60V DC 3A NBR PVC/PVC CEI2022 Black 3x0.25mm² Brown; Blue; Black ø4mm (±0.3)		Black Contacts to crimp Brass + Gold flash Knurl round Brass + Nickel plate 0.2 N*m 50V AC/ 60V DC 3A NBR PVC/PVC CEI2022 Black 4x0.25mm ² Brown; White; Blue Ø4.4mm (±0.3)	ed	Black Contacts to solder Brass + Gold flash Knurl round Brass + Nickel plate 0.2 N*m 30V AC/DC 1.5A NBR PVC/PVC CEI2022 Black 6x0.14mm ² Brown;White;Blue;I ø4.9mm (±0.3)	d

Connectors available with different feautures: See the general features and codification scheme page See the cables list section



Moulded cable connectors

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Product description							
Circular connector with me	noulded cable	Circular connector with	n moulded cable	Circular connector v	vith moulded cable	Circular connector wi	ith moulded cable
IEC 61076-2-104		IEC 61076-2-104		IEC 61076-2-104		IEC 61076-2-104	
M8 A -Coding		M8 A -Coding		M8 A -Coding		M8 A -Coding	
Circular connector M8 ser cable		Circular connector M8 circuit (PIN1: GN;PIN4	series n.2 Led PNP :YE)with moulded cable		18 series n.2 Led PNP N4:YE)with moulded cable		l8 series n.2 Led NPN l4:YE)with moulded cable
08FD8K1Z 08	8FA8K1Z	08FG3A1Z	08FF3A1Z	08FG4A1Z	08FF4A1Z	08FH3A1Z	08FE3A1Z
Straight 180° An	ngled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°
Moulded cable		Moulded cable		Moulded cable		Moulded cable	
Female		Female		Female		Female	
8poles		3poles		4poles		3poles	
Black		Transparent		Transparent		Transparent	
Technical data				1			
Contacts to solder wires		Contacts to solder PCE	}	Contacts to solder P	CB	Contacts to solder PC	ЗВ
Brass+Gold flash		Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Knurl round Brass+Nickel plated		Knurl round Brass+Nickel plated		Knurl round		Knurl round Brass+Nickel plated	
0.2 N*m		0.2 N*m		Brass + Nickel plated		Brass+Nickel plated 0.2 N*m	
30V AC/DC		10-30V DC		0.2 N*m 10-30V DC		0.2 N^m 10-30V DC	
1.5A		3A		3A		3A	
NBR		NBR		NBR		NBR	
PVC/PVC CEI2022		PVC/PVC CEI2022		PVC/PVC CEI2022		PVC/PVC CEI2022	
Black		Black		Black		Black	
8x0.14mm ²		3x0.25mm ²		4x0.25mm ²		3x0.25mm ²	
White;Brown;Green;Yellow				Brown; White; Blue;	Black	Brown; Blue; Black	
ø4.9mm (±0.3)		ø4mm (±0.3)		ø4.4mm (±0.3)		ø4mm (±0.3)	
1m		1m		1m		1m	
Packaging							
1 pc / bag		1 pc / bag		1 pc / bag		1 pc / bag	
Other accessories option	ons						
See accessories section Notes:							

Connectors available with different feautures: See the general features and codification scheme page See the cables list section

Moulded cable connectors



		Technical drawing				3
		Product description				
Circular connector wi	th moulded cable	Connector type	Circular connector wit	h moulded cable	Circular connector wi	th moulded cable
IEC 61076-2-104		Conforms to	IEC 61076-2-104		IEC 61076-2-104	
M8 A -Coding		Construction type	M8 A -Coding		M8 A -Coding	
Circular connector Ma circuit (PIN3: GN;PIN	3 series n.2 Led NPN 4:YE)with moulded cable	Description	Circular connector M8 SHIELDED connector		Circular connector M SHIELDED connector	
08FH4A1Z	08FE4A1Z	Part number	08FJ3J1Z	08FV3J1Z	08FJ4J1Z	08FV4J1Z
Straight 180°	Angled 90°	Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°
Moulded cable	5	Cable gland	Moulded cable	.	Moulded cable	J -
Female		Contacts type	Female		Female	
4poles		Number of contacts	3poles		4poles	
Transparent		Housing colour	Black		Black	
Παπορατοπι		Technical data	Diaon		Diaut	
Contacto to coldor DC	R	Type of termination	Contacto to origon wire	10 C	Contacto to origon	00
Contacts to solder PC	ט	,,	Contacts to crimp wire	10	Contacts to crimp wires	
Brass+Gold flash		Contacts material	Brass+Gold flash		Brass+Gold flash	
Knurl round		Coupling nut type	Knurl round		Knurl round	
Brass+Nickel plated		M8 coupling nut material	Brass+Nickel plated		Brass+Nickel plated	
0.2 N*m		M8 coupling nut torque	0.2 N*m		0.2 N*m	
10-30V DC		Rated voltage	50V AC/ 60V DC		50V AC/ 60V DC	
3A		Rated current	3A		3A	
NBR		O-ring material	NBR		NBR	
PVC/PVC CEI2022		Cable type	PVC/PVC CEI2022 SH	IELDED	PVC/PVC CEI2022 SH	IIELDED
Black		Cable jacket colour	Black		Black	
4x0.25mm ²		No.Conductors / Section	3x0.25mm ²		4x0.25mm ²	
Brown; White; Blue; B	lack	Conductor colours	Brown; Blue; Black		Brown; White; Blue; E	lack
ø4.4mm (±0.3)		Cable diameter	ø4.4mm (±0.3)		ø4.8mm (±0.3)	
1m length		Cable length	1m		1m	
		Packaging				
1 pc / bag		Qty/Bag	1 pc / bag		1 pc / bag	
		Other accessories options				
		See accessories section				
		Notes: Connectors available with different feauture See the general features and codification so See the cables list section	es: cheme page			



Moulded cable connectors

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Product description Connector type	Circular connector v	vith moulded cable	Circular connector	with moulded cable	Circular connector	vith moulded cable
Conforms to	IEC 61076-2-104		IEC 61076-2-104		IEC 61076-2-104	
Construction type	M8 A -Coding		M8 A -Coding		M8 A -Coding	
Description	Circular connector N cable	/18 series with moulded	Circular connector cable	M8 series with moulded	Circular connector cable	M8 series with moulded
Part number	08MD3A1Z	08MA3A1Z	08MD4A1Z	08MA4A1Z	08MD6K1Z	08MA6K1Z
Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°
Cable gland	Moulded cable		Moulded cable		Moulded cable	
Contacts type	Male		Male		Male	
Number of contacts	3poles		4poles		6poles	
Housing colour	Black		Black		Black	
Fechnical data	Didok		Black		Diatik	
Type of termination	Contacts to origin w	iroc	Contacto to origon	wiroc	Contacts to solder	wiroc
	Contacts to crimp w	lles	Contacts to crimp	WIIES		wiies
	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
	Knurl round		Knurl round	. J	Knurl round	۔ ۲
Coupling nut type	Duese (Mistuel alabe		Brass+Nickel plate	ea	Brass+Nickel plate	a
Coupling nut type N8 coupling nut material	Brass+Nickel plated	1	0.0.11		0.2 N*m	
Coupling nut type M8 coupling nut material M8 coupling nut torque	0.2 N*m	1	0.2 N*m			
Coupling nut type M8 coupling nut material M8 coupling nut torque Rated voltage	0.2 N*m 50V AC/ 60V DC	1	50V AC/ 60V DC		30V AC/DC	
Coupling nut type M8 coupling nut material M8 coupling nut torque Rated voltage Rated current	0.2 N*m 50V AC/ 60V DC 3A	1	50V AC/ 60V DC 3A		30V AC/DC 1.5A	
Coupling nut type M8 coupling nut material M8 coupling nut torque Rated voltage Rated current D-ring material	0.2 N*m 50V AC/ 60V DC 3A -	1	50V AC/ 60V DC 3A -		30V AC/DC 1.5A -	
Coupling nut type M8 coupling nut material M8 coupling nut torque Rated voltage Rated current O-ring material Cable type	0.2 N*m 50V AC/ 60V DC 3A - PVC/PVC CEI2022	1	50V AC/ 60V DC 3A - PVC/PVC CEI2022		30V AC/DC 1.5A - PVC/PVC CEI2022	
Coupling nut type M8 coupling nut material M8 coupling nut torque Rated voltage Rated current O-ring material Cable type Cable jacket colour	0.2 N*m 50V AC/ 60V DC 3A - PVC/PVC CEI2022 Black		50V AC/ 60V DC 3A - PVC/PVC CEI2022 Black		30V AC/DC 1.5A - PVC/PVC CEI2022 Black	
Coupling nut type M8 coupling nut material M8 coupling nut torque Rated voltage Rated current O-ring material Cable type Cable jacket colour No.Conductors / Section	0.2 N*m 50V AC/ 60V DC 3A - PVC/PVC CEI2022 Black 3x0.25mm ²		50V AC/ 60V DC 3A - PVC/PVC CEI2022 Black 4x0.25mm ²		30V AC/DC 1.5A - PVC/PVC CEI2022 Black 6x0.14mm ²	
Coupling nut type M8 coupling nut material M8 coupling nut torque Rated voltage Rated current O-ring material Cable type Cable jacket colour No.Conductors / Section Conductor colours	0.2 N*m 50V AC/ 60V DC 3A - PVC/PVC CEI2022 Black 3x0.25mm ² Brown; Blue; Black		50V AC/ 60V DC 3A - PVC/PVC CEI2022 Black 4x0.25mm ² Brown; White; Blue		30V AC/DC 1.5A - PVC/PVC CEI2022 Black 6x0.14mm ² Brown;White;Blue;E	Black;Grey;Pink
Coupling nut type M8 coupling nut material M8 coupling nut torque Rated voltage Rated current O-ring material Cable type Cable jacket colour No.Conductors / Section Conductor colours	0.2 N*m 50V AC/ 60V DC 3A - PVC/PVC CEI2022 Black 3x0.25mm ²		50V AC/ 60V DC 3A - PVC/PVC CEI2022 Black 4x0.25mm ²		30V AC/DC 1.5A - PVC/PVC CEI2022 Black 6x0.14mm ²	Black;Grey;Pink
Coupling nut type M8 coupling nut material M8 coupling nut torque Rated voltage Rated current O-ring material Cable type Cable jacket colour No.Conductors / Section Conductor colours Cable diameter	0.2 N*m 50V AC/ 60V DC 3A - PVC/PVC CEI2022 Black 3x0.25mm ² Brown; Blue; Black		50V AC/ 60V DC 3A - PVC/PVC CEI2022 Black 4x0.25mm ² Brown; White; Blue		30V AC/DC 1.5A - PVC/PVC CEI2022 Black 6x0.14mm ² Brown;White;Blue;E	Black;Grey;Pink
Coupling nut type M8 coupling nut material M8 coupling nut torque Rated voltage Rated current D-ring material Cable type Cable jacket colour Vo.Conductors / Section Conductor colours Cable diameter Cable length	0.2 N*m 50V AC/ 60V DC 3A - PVC/PVC CEI2022 Black 3x0.25mm ² Brown; Blue; Black ø4mm (±0.3)		50V AC/ 60V DC 3A - PVC/PVC CEI2022 Black 4x0.25mm ² Brown; White; Blue ø4.4mm (±0.3)		30V AC/DC 1.5A - PVC/PVC CEI2022 Black 6x0.14mm ² Brown;White;Blue;E Ø4.9mm (±0.3)	Black;Grey;Pink
Contacts material Coupling nut type M8 coupling nut material M8 coupling nut torque Rated voltage Rated current O-ring material Cable type Cable jacket colour No.Conductors / Section Conductor colours Cable diameter Cable length Packaging Qty/Bag	0.2 N*m 50V AC/ 60V DC 3A - PVC/PVC CEI2022 Black 3x0.25mm ² Brown; Blue; Black ø4mm (±0.3)		50V AC/ 60V DC 3A - PVC/PVC CEI2022 Black 4x0.25mm ² Brown; White; Blue ø4.4mm (±0.3)		30V AC/DC 1.5A - PVC/PVC CEI2022 Black 6x0.14mm ² Brown;White;Blue;E Ø4.9mm (±0.3)	Black;Grey;Pink
Coupling nut type M8 coupling nut material M8 coupling nut torque Rated voltage Rated current O-ring material Cable type Cable jacket colour No.Conductors / Section Conductor colours Cable diameter Cable length	0.2 N*m 50V AC/ 60V DC 3A - PVC/PVC CEI2022 Black 3x0.25mm ² Brown; Blue; Black ø4mm (±0.3) 1m		50V AC/ 60V DC 3A - PVC/PVC CEI2022 Black 4x0.25mm ² Brown; White; Blue ø4.4mm (±0.3) 1m		30V AC/DC 1.5A - PVC/PVC CEI2022 Black 6x0.14mm ² Brown;White;Blue;E ø4.9mm (±0.3) 1m	Black;Grey;Pink

See the general features and codification scheme page See the cables list section

Moulded cable connectors



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Product description	n						
Circular connector		Circular connector wi	th moulded cable	Circular connector wit	th moulded cable	Circular connector wit	h moulded cable
IEC 61076-2-104		IEC 61076-2-104		IEC 61076-2-104		IEC 61076-2-104	
M8 A -Coding		M8 A -Coding		M8 A -Coding		M8 A -Coding	
	A8 series with moulded	Circular connector M	3 series n.2 Led PNP 4:YE)with moulded cable	Circular connector M8	3 series n.2 Led PNP 4:YE)with moulded cable	Circular connector M8	3 series n.2 Led NPN 4:YE)with moulded cable
08MD8K1Z	08MA8K1Z	08MG3A1Z	08MF3A1Z	08MG4A1Z	08MF4A1Z	08MH3A1Z	08ME3A1Z
Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°
Moulded cable		Moulded cable	_	Moulded cable	_	Moulded cable	_
Male		Male		Male		Male	
8poles		3poles		4poles		3poles	
Black		Transparent		Transparent		Transparent	
Technical data		•		•		•	
Contacts to solder v	vires	Contacts to solder PC	В	Contacts to solder PC	В	Contacts to solder PC	В
Brass+Gold flash				Brass+Gold flash		Brass+Gold flash	
Knurl round		Knurl round		Knurl round		Knurl round	
Brass+Nickel plated	1	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
0.2 N*m		0.2 N*m		0.2 N*m		0.2 N*m	
30V AC/DC		10-30V DC		10-30V DC		10-30V DC	
1.5A		3A		3A		3A	
-		-		-		-	
PVC/PVC CEI2022		PVC/PVC CEI2022		PVC/PVC CEI2022		PVC/PVC CEI2022	
Black		Black		Black		Black	
8x0.14mm ²		3x0.25mm ²		4x0.25mm ²		3x0.25mm ²	
White;Brown;Green	Yellow;Grey;Pink;Blue;Red	Brown; Blue; Black		Brown; White; Blue; B	lack	Brown; Blue; Black	
ø4.9mm (±0.3)		ø4mm (±0.3)		ø4.4mm (±0.3)		ø4mm (±0.3)	
1m		1m		1m		1m	
Packaging							
		1 pc / bag		1 pc / bag		1 pc / bag	
Other accessories	options						
See accessories see	ction						
Notos:							

Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section



Moulded cable connectors

	13 44 ow 112 2 4 3	Technical drawing				1 2 3 4 2 4 1 2 3
Circular connector v	vith moulded cable	Product description Connector type	Circular connector w	ith moulded cable		with moulded cable
IEC 61076-2-104		Conforms to	IEC 61076-2-104		IEC 61076-2-104	
M8 A -Coding		Construction type	M8 A -Coding		M8 A -Coding	
circuit (PIN3: GN;PI	/18 series n.2 Led NPN V4:YE)with moulded cable	Description	Circular connector N SHIELDED connecto	r with moulded cable	SHIELDED connec	M8 series TOTALLY tor with moulded cable
08MH4A1Z	08ME4A1Z	Part number	08MJ3J1Z	08MV3J1Z	08MJ4J1Z	08MV4J1Z
Straight 180°	Angled 90°	Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°
Moulded cable		Cable gland	Moulded cable		Moulded cable	
Male		Contacts type	Male		Male	
4poles		Number of contacts	3poles		4poles	
Transparent		Housing colour	Black		Black	
		Technical data				
Contacts to solder P	СВ	Type of termination	Contacts to crimp wi	res	Contacts to crimp	wires
Brass+Gold flash		Contacts material	Brass+Gold flash		Brass+Gold flash	
Knurl round		Coupling nut type	Knurl round		Knurl round	
Brass+Nickel plated		M8 coupling nut material	Brass+Nickel plated		Brass+Nickel plate	ed
0.2 N*m		M8 coupling nut torque	0.2 N*m		0.2 N*m	
10-30V DC		Rated voltage	50V AC/ 60V DC		50V AC/ 60V DC	
3A		Rated current	3A		3A	
-		O-ring material	-		-	
PVC/PVC CEI2022		Cable type	PVC/PVC CEI2022 S	HIELDED	PVC/PVC CEI2022	SHIELDED
Black		Cable jacket colour	Black		Black	
4x0.25mm ²		No.Conductors / Section	3x0.25mm ²		4x0.25mm ²	
Brown; White; Blue;	Black	Conductor colours	Brown; Blue; Black		Brown; White; Blue	e; Black
ø4.4mm (±0.3)		Cable diameter	ø4.4mm (±0.3)		ø4.8mm (±0.3)	
1rlength		Cable length	1m		1m	
		Packaging				
1 pc / bag		Qty/Bag	1 pc / bag		1 pc / bag	
1 p0 / bay			i po / bay		i po / bay	
		Other accessories options				
		See accessories section				
		Notes: Connectors available with different feauture See the general features and codification so See the cables list section	s: cheme page			

Moulded cable connectors



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29 22.10 1 22.10 1 20 1 20 1 20 1 20 1 20		<u>'</u>				
	3					
Product description Connector type	Circular connector w	vith moulded cable	Circular connector w	vith moulded cable	Circular connector w	ith moulded cable
Conforms to	IEC 61076-2-104			IEC 61076-2-104		
Construction type	M8 A -Coding		M8 A -Coding		IEC 61076-2-104 M8 A -Coding	
Description		18 series with moulded		18 series with moulded	Circular connector N cable	18 series with moulde
Part number	08FD3A1Z08MD	08FA3A1Z08MA	08FD4A1Z08MD	08FA4A1Z08MA	08FD6K1Z08MD	08FA6K1Z08MA
lousing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°
Cable gland	Moulded cable		Moulded cable		Moulded cable	
Contacts type	Female-Male		Female-Male		Female-Male	
lumber of contacts	3poles		4poles		6poles	
lousing colour	Black		Black		Black	
echnical data						
ype of termination	Contacts to crimp w	ires	Contacts to crimp wi	ires	Contacts to solder w	ires
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Knurl round		Knurl round		Knurl round	
A8 coupling nut material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
VI8 coupling nut torque	0.2 N*m		0.2 N*m		0.2 N*m	
Rated voltage	50V AC/ 60V DC		50V AC/ 60V DC		30V AC/DC	
Rated current	3A		3A		1.5A	
D-ring material	NBR		NBR		NBR	
Cable type	PVC/PVC CEI2022		PVC/PVC CEI2022		PVC/PVC CEI2022	
Cable jacket colour	Black		Black		Black	
Io.Conductors / Section	3x0.25mm ²		4x0.25mm ²		6x0.14mm ²	
Conductor colours	Brown; Blue; Black		Brown; White; Blue;	Black	Brown;White;Blue;Bl	ack;Grey;Pink
Cable diameter	ø4mm (±0.3)		ø4.4mm (±0.3)		ø4.9mm (±0.3)	
Cable length	1m		1m		1m	
Packaging	1					
	1 pc / bag		1 pc / bag		1 pc / bag	
Qty/Bag	T pc / bay		1 po / bug			
Aty/Bag D ther accessories options See accessories section	T pc / bag		1 p0 / bug			

See the general features and codification scheme page See the cables list section



Moulded cable connectors

2 > 3 > 4 >	1 1 O 2 0 3 0 4 0 5 0 6 0 1 7 0	Technical drawing 33.30 38.60 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	• 12		1) (1) 2) (1) 3) (1) 4) (1) 5H	
		Product description				
Circular connector w	ith moulded cable	Connector type	Circular connector wi	th moulded cable	Circular connector w	ith moulded cable
EC 61076-2-104		Conforms to	IEC 61076-2-104		IEC 61076-2-104	
18 A -Coding		Construction type	M8 A -Coding		M8 A -Coding	
ircular connector M able	8 series with moulded	Description	Extension M8-M8 cor SHIELDED with mould		Extension M8-M8 connectors TOTALLY SHIELDED with moulded cable	
D8FD8K1Z08MD	08FA8K1Z08MA	Part number	08FJ3J1Z08MJ	08FV3J1Z08MV	08FJ4J1Z08MJ	08FV4J1Z08MV
traight 180°	Angled 90°	Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°
oulded cable		Cable gland	Moulded cable		Moulded cable	
male-Male		Contacts type	Female-Male		Female-Male	
poles		Number of contacts	3poles		4poles	
ack		Housing colour	Black		Black	
ontanto to coldora	roo	Technical data Type of termination	Contacto to origon with	00	Contacto to origina	roo
ontacts to solder w ass+Gold flash	169	Contacts material	Contacts to crimp wir	53	Contacts to crimp wires Brass+Gold flash	
ass+Gold hash hurl round		Coupling nut type	Brass+Gold flash Knurl round		Brass+Gold hash Knurl round	
ass+Nickel plated		M8 coupling nut material	Brass+Nickel plated		Brass+Nickel plated	
2 N*m		M8 coupling nut torque	0.2 N*m		0.2 N*m	
DV AC/DC		Rated voltage	50V AC/ 60V DC		50V AC/ 60V DC	
5A		Rated current	3A		3A	
BR		O-ring material	NBR		NBR	
VC/PVC CEI2022		Cable type	PVC/PVC CEI2022 SH	HELDED	PVC/PVC CEI2022 S	HIELDED
lack		Cable jacket colour	Black		Black	
<0.14mm ²		No.Conductors / Section	3x0.25mm ²		4x0.25mm ²	
	ellow;Grey;Pink;Blue;Red	Conductor colours	Brown; Blue; Black		Brown; White; Blue;	Black
l.9mm (±0.3)		Cable diameter	ø4.4mm (±0.3)		ø4.8mm (±0.3)	
n length		Cable length	1m		1m	
		Packaging	4 11		4 /*	
pc / bag		Qty/Bag	1 pc / bag		1 pc / bag	
		Other accessories options				
		See accessories section				
		Notes: Connectors available with different feautures: See the general features and codification sch See the cables list section	eme page			

Moulded cable connectors



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echnical drawing	• •(₃ c (ŸL) us	• o(1 0 o(2	c	
<u>29</u>			$\begin{array}{c} \bullet \circ \\ \bullet \circ \\ \bullet \circ \\ \\ \bullet \circ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$		
Product description					
Connector type	Circular connector	with moulded cable	Circular connector	with moulded cable	
Conforms to	IEC 61076-2-104 /	UL approved	IEC 61076-2-104 /	UL approved	
Construction type	M8 A -Coding		M8 A -Coding		
Description	Circular connector with moulded cable	M8 series,UL approved	Circular connector with moulded cable	M8 series,UL approved	
Part number	08FD3S1Z-UL	08FA3S1Z-UL	08FD4S1Z-UL	08FA4S1Z-UL	
lousing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	
Cable gland	Moulded cable		Moulded cable		
Contacts type	Female		Female		
lumber of contacts	3poles		4poles		
lousing colour	Black		Black		
echnical data					
ype of termination	Contacts to crimp v	vires	Contacts to crimp v	vires	
Contacts material	Brass+Gold flash		Brass+Gold flash		
Coupling nut type	Knurl round		Knurl round		
/8 coupling nut material	Brass+Nickel plate	d	Brass+Nickel plate	d	
/8 coupling nut torque	0.2 N*m		0.2 N*m		
Rated voltage	50V AC/ 60V DC		50V AC/ 60V DC		
Rated current	3A		3A		
D-ring material	NBR		NBR		
Cable type	PVC/PVC ULstyle 2	1179	PVC/PVC ULstyle 2	1179	
Cable jacket colour	Black		Black		
lo.Conductors / Section	3xAWG24 (0.25mm	12)	4xAWG24 (0.25mm	12)	
Conductor colours	Brown; Blue; Black	•	Brown; White; Blue;		
Cable diameter	ø4.2mm (±0.3)		ø4.3mm (±0.3)	, DIdUN	
Cable length	1m		1m		
Packaging	4	1	4 /	1	
Qty/Bag	1 pc / bag	length.	1 pc / bag	length.	
Other accessories options					

See the cables list section



Moulded cable connectors

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echnical drawing	• • • • • • •		• •		
29 24.10 100 100 100 100 100 100 100					
Product description	Circular connector w	ith moulded cable	Circular connector w	vith moulded cable	
Conforms to	IEC 61076-2-104 / L		IEC 61076-2-104 / L		
Construction type	M8 A -Coding		M8 A -Coding		
Description		18 series,UL approved		18 series,UL approved	
Part number	08MD3S1Z-UL	08MA3S1Z-UL	08MD4S1Z-UL	08MA4S1Z-UL	
lousing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	
able gland	Moulded cable		Moulded cable		
ontacts type	Male		Male		
umber of contacts	3poles		4poles		
ousing colour	Black		Black		
echnical data					
ype of termination	Contacts to crimp wi	res	Contacts to crimp w	ires	
ontacts material	Brass+Gold flash		Brass+Gold flash		
oupling nut type	Knurl round		Knurl round		
18 coupling nut material	Brass+Nickel plated		Brass+Nickel plated		
18 coupling nut torque	0.2 N*m		0.2 N*m		
lated voltage	50V AC/ 60V DC		50V AC/ 60V DC		
lated current	3A		3A		
)-ring material	-		-		
cable type	PVC/PVC ULstyle 21	179	PVC/PVC ULstyle 21	179	
able jacket colour	Black		Black		
lo.Conductors / Section	3xAWG24 (0.25mm ²	2)	4xAWG24 (0.25mm		
conductor colours	Brown; Blue; Black		Brown; White; Blue;	Black	
able diameter	ø4.2mm (±0.3)		ø4.3mm (±0.3)		
cable length	1m		1m		
Packaging					
Qty/Bag	Variable according c	able lenght.	Variable according of	able lenght.	
Other accessories options					
See accessories section					
Notes: Connectors available with different feauture See the general features and codification s See the cables list section	es: cheme page				

Moulded cable connectors



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Product description					
Connector type	Circular connector wit		Circular connector wit		
Conforms to	IEC 61076-2-104 / UL	approved	IEC 61076-2-104 / UL	. approved	
Construction type	M8 A -Coding		M8 A -Coding		
Description	Circular connector M8 cable	series with moulded	Circular connector M8 cable	series with moulded	
Part number	08FD3S1Z08MD-UL	08FA3S1Z08MA-UL	08FD4S1Z08MD-UL	08FA4S1Z08MA-UL	
Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	
Cable gland	Moulded cable		Moulded cable		
Contacts type	Female-Male		Female-Male		
Number of contacts	3poles		4poles		
Housing colour	Black		Black		
Technical data					
Type of termination	Contacts to crimp wire	S	Contacts to crimp wire	es	
Contacts material	Brass+Gold flash		Brass+Gold flash		
Coupling nut type	Knurl round		Knurl round		
M8 coupling nut material	Brass+Nickel plated		Brass+Nickel plated		
M8 coupling nut torque	0.2 N*m		0.2 N*m		
	50V AC/ 60V DC		50V AC/ 60V DC		
Rated voltage	0.4		3A		
	3A				
Rated current O-ring material	NBR		NBR		
Rated current O-ring material Cable type	NBR PVC/PVC ULstyle 211	79	NBR PVC/PVC ULstyle 211	79	
Rated current O-ring material Cable type Cable jacket colour	NBR PVC/PVC ULstyle 211 Black	79	PVC/PVC ULstyle 211 Black	79	
Rated current O-ring material Cable type Cable jacket colour No.Conductors / Section	NBR PVC/PVC ULstyle 211 Black 3xAWG24 (0.25mm ²)	79	PVC/PVC ULstyle 211 Black 4xAWG24 (0.25mm ²)		
Rated current O-ring material Cable type Cable jacket colour No.Conductors / Section Conductor colours	NBR PVC/PVC ULstyle 211 Black 3xAWG24 (0.25mm ²) Brown; Blue; Black	79	PVC/PVC ULstyle 211 Black 4xAWG24 (0.25mm ²) Brown; White; Blue; Bl		
Rated current O-ring material Cable type Cable jacket colour No.Conductors / Section Conductor colours Cable diameter	NBR PVC/PVC ULstyle 211 Black 3xAWG24 (0.25mm ²) Brown; Blue; Black Ø4.2mm (±0.3)	79	PVC/PVC ULstyle 211 Black 4xAWG24 (0.25mm ²) Brown; White; Blue; Bl ø4.3mm (±0.3)		
Rated current O-ring material Cable type Cable jacket colour No.Conductors / Section Conductor colours Cable diameter Cable length	NBR PVC/PVC ULstyle 211 Black 3xAWG24 (0.25mm ²) Brown; Blue; Black	79	PVC/PVC ULstyle 211 Black 4xAWG24 (0.25mm ²) Brown; White; Blue; Bl		
Rated current O-ring material Cable type Cable jacket colour No.Conductors / Section Conductor colours Cable diameter Cable length Packaging	NBR PVC/PVC ULstyle 211 Black 3xAWG24 (0.25mm ²) Brown; Blue; Black Ø4.2mm (±0.3) 1m	79	PVC/PVC ULstyle 211 Black 4xAWG24 (0.25mm ²) Brown; White; Blue; Bl ø4.3mm (±0.3) 1m		
Rated current O-ring material Cable type Cable jacket colour No.Conductors / Section Conductor colours Cable diameter Cable length Packaging Qty/Bag	NBR PVC/PVC ULstyle 211 Black 3xAWG24 (0.25mm ²) Brown; Blue; Black Ø4.2mm (±0.3)	79	PVC/PVC ULstyle 211 Black 4xAWG24 (0.25mm ²) Brown; White; Blue; Bl ø4.3mm (±0.3)		
Rated voltage Rated current O-ring material Cable type Cable jacket colour No.Conductors / Section Conductor colours Cable diameter Cable length Packaging Other accessories options See accessories section	NBR PVC/PVC ULstyle 211 Black 3xAWG24 (0.25mm ²) Brown; Blue; Black Ø4.2mm (±0.3) 1m	79	PVC/PVC ULstyle 211 Black 4xAWG24 (0.25mm ²) Brown; White; Blue; Bl ø4.3mm (±0.3) 1m		

See the cables list section



Moulded cable connectors SNAP series

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		4:N.C.		4		4 2
26.5				3		3
	4-N.C.		1 3			
roduct description						
onnector type	Circular connector w	ith moulded cable	Circular connector v	vith moulded cable	Circular connector	with moulded cable
onforms to	IEC 61076-2-104		IEC 61076-2-104		IEC 61076-2-104	
onstruction type	M8 A -Coding		M8 A -Coding		M8 A -Coding	
escription	Circular connector N moulded cable	18 SNAP series with	Circular connector M moulded cable	18 SNAP series with	Circular connector moulded cable	M8 SNAP series with
art number	08MW2N1Z	08FY2N1Z-Y	08MW3N1Z	08FY3N1Z-Y	08MW4N1Z	08FY4N1Z-Y
ousing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°
ble gland	Moulded cable		Moulded cable		Moulded cable	
ntacts type	Male	Female	Male	Female	Male	Female
mber of contacts	2poles		3poles		4poles	
using colour	Black		Black		Black	
chnical data						
pe of termination	Contacts to crimp wi	res	Contacts to crimp w	ires	Contacts to crimp	wires
intacts material	Brass+Gold flash	105	Brass+Gold flash	100	Brass+Gold flash	WIICO
oupling nut type	-		-		-	
8 coupling nut material	-				-	
8 coupling nut torque	-		-		-	
ated voltage	50V AC/ 60V DC		50V AC/ 60V DC		50V AC/ 60V DC	
ated current	3A		3A		3A	
ring material	-		-		-	
able type	PVC/PVC CEI2022		PVC/PVC CEI2022		PVC/PVC CEI2022	
able jacket colour	Grey RAL 7032		Grey RAL 7032		Grey RAL 7032	
D.Conductors / Section	2x0.25mm ²		3x0.25mm ²		4x0.25mm ²	
onductor colours	Brown; Blue		Brown; Blue; Black		Brown; White; Blue	; Black;
able diameter	ø3.5mm (±0.3)		ø4mm (±0.3)		ø4.4mm (±0.3)	
able length	1m		1m		1m	
ackaging	1					
iy/Bag	1 pc / bag		1 pc / bag		1 pc / bag	
	i po / bug		· po / bug		, po, oug	
ther accessories options						

See the general features and codification scheme page See the cables list section

Notes



Notes:	



Panel mount connectors - General features and codification scheme

• GENERAL FEATURES PANEL MOUNT CONNECTORS:

Conductor cross section : 0.14(26AWG) ... 0.50mm2(20AWG).

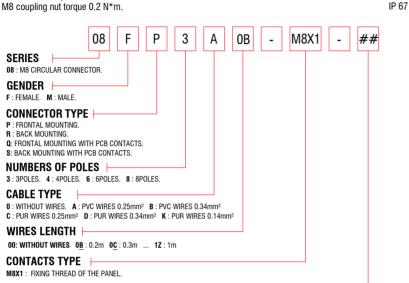
Type of terminations : Solder wires. Solder PCB.

Contact material and treatment :

M8 coupling nut.

Fixing system :

Brass + Gold flash. Max. screw torque IEC60947-1



Internal core material : PA66.

Operating temperature : -25°C +90°C.

Flammability resistance : UL94-V2 - Standard.

Protection class : IP 67 (assembled).

SOME VARIABLES

INOX: M8 COUPLING NUT IN STAINLESS STEEL(AISI304). IN316 : M8 COUPLING NUT IN STAINLESS STEEL(AISI316). C0 : CONNECTOR WITH CABLE. CUT : FIXING THREAD WITH ANTIROTATION CUT.

FRONT MOUNTING:

In front mounting the mobile nut is in the back side towards the panel

BACK MOUNTING:

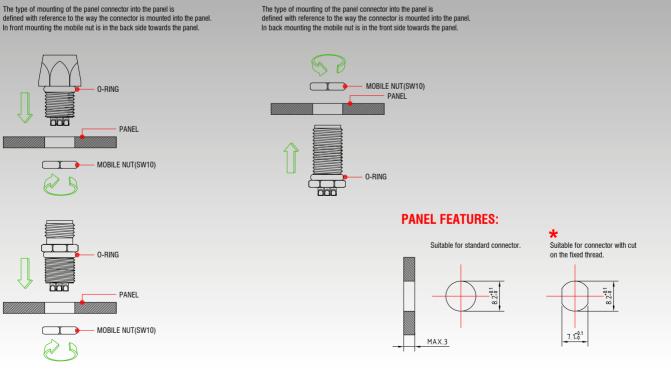
Housing material :

Brass+Nickel plated.

Stainless Steel AISI304 (upon request).

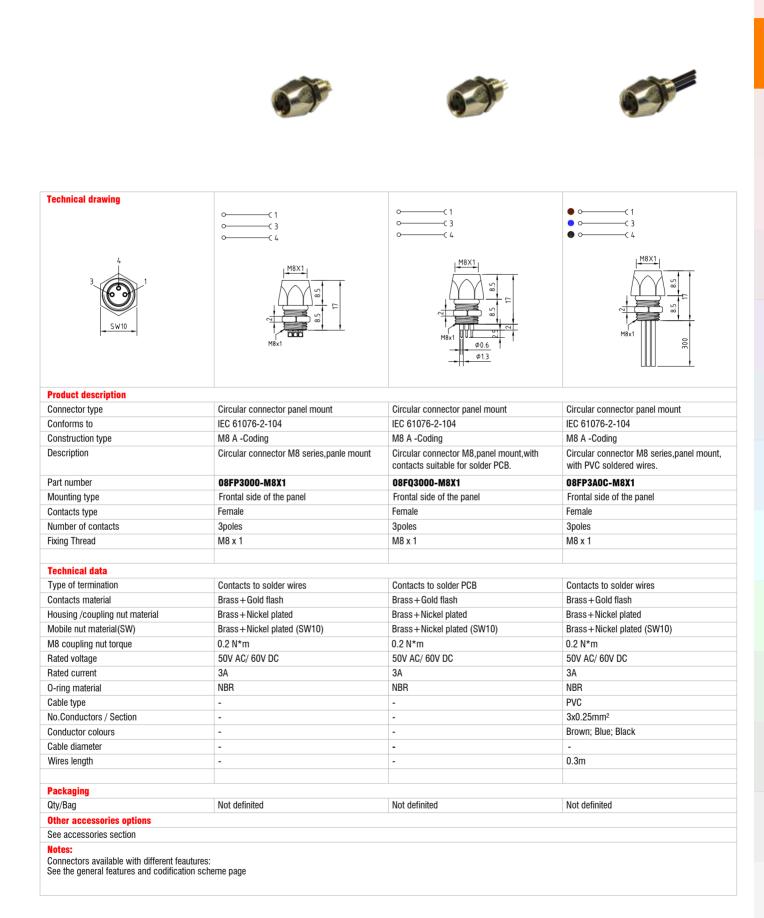
Stainless Steel AISI316

(upon request).



Panel mount connectors





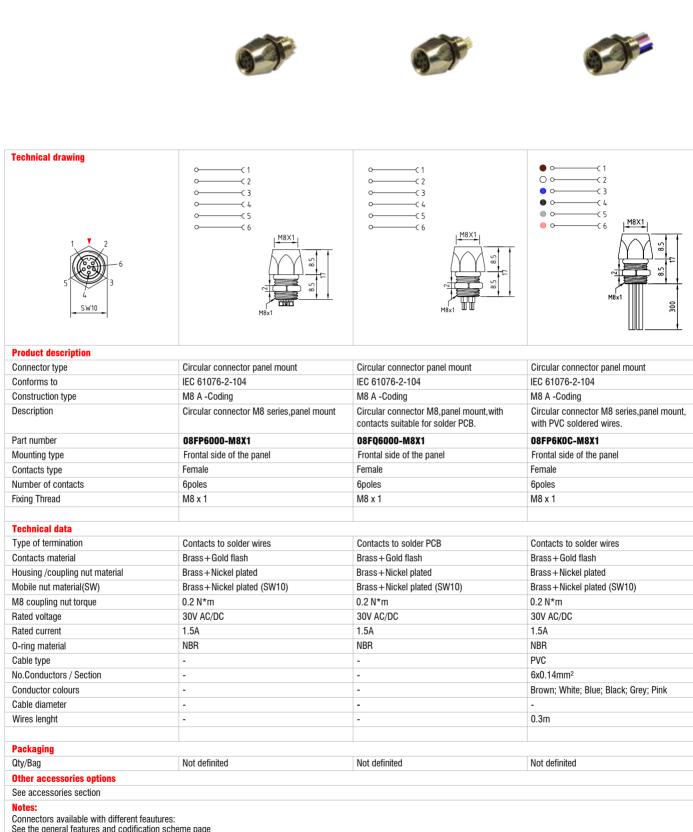
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4 2 3 5 W 10		M8x1 w8x1 w8x1 w8x1 w8x1 w606 w1 w1 w1 w1 w1 w1 w1 w1 w1 w1	
Product description			
Connector type	Circular connector panel mount	Circular connector panel mount	Circular connector panel mount
Conforms to	IEC 61076-2-104	IEC 61076-2-104	IEC 61076-2-104
Construction type	M8 A -Coding	M8 A -Coding	M8 A -Coding
Description	Circular connector M8 series, panel mount	Circular connector M8,panel mount,with contacts suitable for solder PCB.	Circular connector M8 series, panel mount with PVC soldered wires.
Part number	08FP4000-M8X1	08FQ4000-M8X1	08FP4A0C-M8X1
Nounting type	Frontal side of the panel	Frontal side of the panel	Frontal side of the panel
Contacts type	Female	Female	Female
lumber of contacts	4poles	4poles	4poles
Fixing Thread	M8 x 1	M8 x 1	M8 x 1
Fechnical data			
Type of termination	Contacts to solder wires	Contacts to solder PCB	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
lousing /coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Iobile nut material(SW)	Brass+Nickel plated (SW10)	Brass+Nickel plated (SW10)	Brass+Nickel plated (SW10)
/8 coupling nut torque	0.2 N*m	0.2 N*m	0.2 N*m
Rated voltage	50V AC/ 60V DC	50V AC/ 60V DC	50V AC/ 60V DC
Rated current	3A	3A	3A
D-ring material	NBR	NBR	NBR
Cable type	-	-	PVC
No.Conductors / Section	-	-	4x0.25mm ²
Conductor colours	-	-	Brown; White; Blue; Black
Cable diameter	-	-	-
Wires length	•	-	0.3m
Packaging			
Qty/Bag	Not definited	Not definited	Not definited
Other accessories options			
See accessories section			

Panel mount connectors





See the general features and codification scheme page



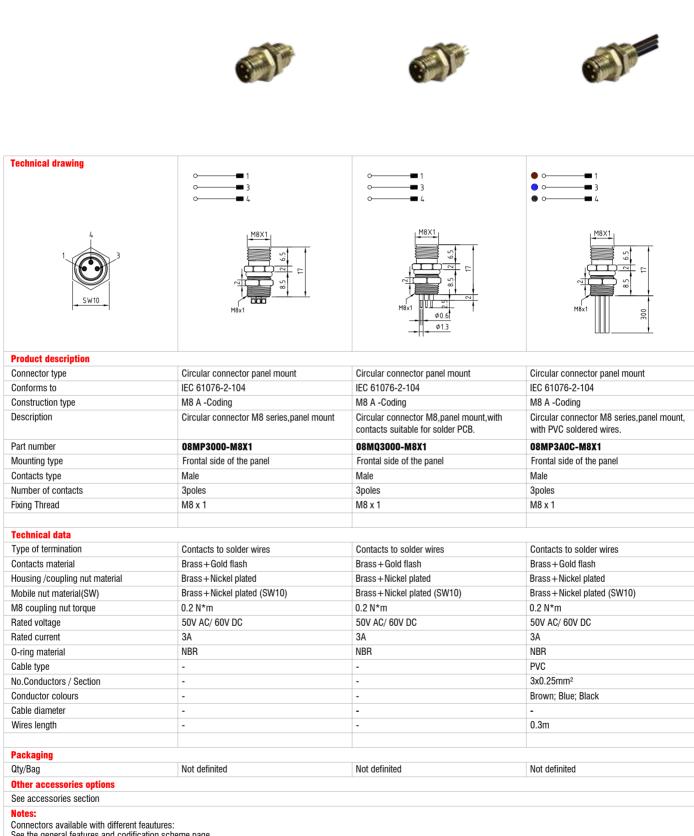






Technical drawing	0	$\begin{array}{c} \circ & & \\ \circ & & \\$	$\bigcirc \circ \bigcirc \bigcirc$
Product description			
Connector type	Circular connector panel mount	Circular connector panel mount	Circular connector panel mount
Conforms to	IEC 61076-2-104	IEC 61076-2-104	IEC 61076-2-104
Construction type	M8 A -Coding	M8 A -Coding	M8 A -Coding
Description	Circular connector M8 series, panle mount	Circular connector M8,panel mount,with contacts suitable for solder PCB.	Circular connector M8 series, panel mount, with PVC soldered wires.
Part number	08FP8000-M8X1	08FQ8000-M8X1	08FP8K0C-M8X1
Mounting type	Frontal side of the panel	Frontal side of the panel	Frontal side of the panel
Contacts type	Female	Female	Female
Number of contacts	8poles	8poles	8poles
Fixing Thread	M8 x 1	M8 x 1	M8 x 1
Technical data			
Type of termination	Contacts to solder wires	Contacts to solder PCB	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Housing /coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Mobile nut material(SW)	Brass+Nickel plated (SW10)	Brass+Nickel plated (SW10)	Brass+Nickel plated (SW10)
M8 coupling nut torque	0.2 N*m	0.2 N*m	0.2 N*m
Rated voltage	30V AC/DC	30V AC/DC	30V AC/DC
Rated current	1.5A	1.5A	1.5A
O-ring material	NBR	NBR	NBR
Cable type	-	-	PVC
No.Conductors / Section	-	-	8x0.14mm ²
Conductor colours	-	-	White;Brown;Green;Yellow;Grey;Pink;Blue;Red
Cable diameter	-	-	-
Wires lenght	•	-	0.3m
Packaging			
Qty/Bag	Not definited	Not definited	Not definited
Other accessories options			
See accessories section			
Notes: Connectors available with different fea See the general features and codificati			













Technical drawing						
Product description						
Connector type	Circular connector panel mount	Circular connector panel mount	Circular connector panel mount			
Conforms to	IEC 61076-2-104	IEC 61076-2-104	IEC 61076-2-104			
Construction type	M8 A -Coding	M8 A -Coding	M8 A -Coding			
Description	Circular connector M8 series, panel mount	Circular connector M8,panel mount,with contacts suitable for solder PCB.	Circular connector M8 series, panel mount, with PVC soldered wires.			
Part number	08MP4000-M8X1	08MQ4000-M8X1	08MP4A0C-M8X1			
Mounting type	Frontal side of the panel	Frontal side of the panel	Frontal side of the panel			
Contacts type	Male	Male	Male			
Number of contacts	4poles	4poles	4poles			
Fixing Thread	M8 x 1	M8 x 1	M8 x 1			
Technical data						
Type of termination	Contacts to solder wires	Contacts to solder wires	Contacts to solder wires			
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash			
Housing /coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated			
Mobile nut material(SW)	Brass+Nickel plated (SW10)	Brass+Nickel plated (SW10)	Brass+Nickel plated (SW10)			
M8 coupling nut torque	0.2 N*m	0.2 N*m	0.2 N*m			
Rated voltage	50V AC/ 60V DC	50V AC/ 60V DC	50V AC/ 60V DC			
Rated current	3A	3A	3A			
O-ring material	NBR	NBR	NBR			
Cable type	-	-	PVC			
No.Conductors / Section		-	4x0.25mm ²			
Conductor colours		-	Brown; White; Blue; Black			
Cable diameter		-				
Wires length	-	-	0.3m			
Packaging						
Qty/Bag	Not definited	Not definited	Not definited			
Other accessories options						
See accessories section						
		Notes: Connectors available with different feautures:				









Technical drawing Image: Construction of the panel	Circular connector panel mount IEC 61076-2-104 M8 X1 IEC 61076-2-104 M8 A - Coding mount Circular connector M8, panel mount, contacts suitable for solder PCB. OBMG6000-M8X1 Frontal side of the panel Male 6poles M8 x 1	Circular connector panel mount IEC 61076-2-104 M8 A -Coding s,with Circular connector M8 series, panel mount, with PVC soldered wires. OBMP6K0C-M8X1 Frontal side of the panel Male 6poles M8 X 1 Contacts to solder wires Brass + Gold flash
Connector typeCircular connector panel mountConforms toIEC 61076-2-104Construction typeM8 A -CodingDescriptionCircular connector M8 series, panelPart number 08MP6000-M8X1 Mounting typeFrontal side of the panelContacts typeMaleNumber of contacts6polesFixing ThreadM8 x 1Technical dataTType of terminationContacts to solder wiresContacts materialBrass + Gold flashHousing /coupling nut materialBrass + Nickel platedMobile nut material(SW)Brass + Nickel plated (SW10)M8 coupling nut torque0.2 N*mRated voltage30V AC/DCRated current1.5AO-ring materialNBRCable type-	IEC 61076-2-104 M8 A -Coding mount Circular connector M8,panel mount, contacts suitable for solder PCB. 08MQ6000-M8X1 Frontal side of the panel Male 6poles	IEC 61076-2-104 M8 A -Coding Circular connector M8 series, panel mount with PVC soldered wires. O8MP6K0C-M8X1 Frontal side of the panel Male 6poles M8 x 1 Contacts to solder wires
Conforms toIEC 61076-2-104Construction typeM8 A -CodingDescriptionCircular connector M8 series,panelPart number 08MP6000-M8X1 Mounting typeFrontal side of the panelContacts typeMaleNumber of contacts6polesFixing ThreadM8 x 1Technical dataType of terminationContacts to solder wiresContacts materialBrass + Gold flashHousing /coupling nut materialBrass + Nickel platedMobile nut material(SW)Brass + Nickel plated (SW10)M8 coupling nut torque0.2 N*mRated voltage30V AC/DCRated current1.5AO-ring materialNBRCable type-	IEC 61076-2-104 M8 A -Coding mount Circular connector M8,panel mount, contacts suitable for solder PCB. 08MQ6000-M8X1 Frontal side of the panel Male 6poles	IEC 61076-2-104 M8 A -Coding Circular connector M8 series, panel mount with PVC soldered wires. O8MP6K0C-M8X1 Frontal side of the panel Male 6poles M8 x 1 Contacts to solder wires
Construction typeM8 A -CodingDescriptionCircular connector M8 series,panelPart number 08MP6000-M8X1 Mounting typeFrontal side of the panelContacts typeMaleNumber of contacts6polesFixing ThreadM8 x 1Technical dataType of terminationContacts to solder wiresContacts materialBrass + Gold flashHousing /coupling nut materialBrass + Nickel platedMobile nut material(SW)Brass + Nickel plated (SW10)M8 coupling nut torque0.2 N*mRated voltage30V AC/DCRated current1.5AO-ring materialNBRCable type-	M8 A -Coding mount Circular connector M8, panel mount, contacts suitable for solder PCB. O8MQ6000-M8X1 Frontal side of the panel Male 6poles	M8 A -Coding circular connector M8 series, panel mount with PVC soldered wires. 08MP6K0C-M8X1 Frontal side of the panel Male 6poles M8 x 1 Contacts to solder wires
Description Circular connector M8 series, panel Part number 08MP6000-M8X1 Mounting type Frontal side of the panel Contacts type Male Number of contacts 6poles Fixing Thread M8 x 1 Technical data Type of termination Contacts to solder wires Contacts material Brass + Gold flash Housing /coupling nut material Brass + Nickel plated Mobile nut material(SW) Brass + Nickel plated (SW10) M8 coupling nut torque 0.2 N*m Rated voltage 30V AC/DC Rated current 1.5A O-ring material NBR Cable type -	mount Circular connector M8, panel mount, contacts suitable for solder PCB. O8MQ6000-M8X1 Frontal side of the panel Male 6poles	with Circular connector M8 series, panel mount, with PVC soldered wires. 08MP6K0C-M8X1 Frontal side of the panel Male 6poles M8 x 1 Contacts to solder wires
Part number 08MP6000-M8X1 Mounting type Frontal side of the panel Contacts type Male Number of contacts 6poles Fixing Thread M8 x 1 Technical data Type of termination Contacts to solder wires Contacts material Brass + Gold flash Housing /coupling nut material Brass + Nickel plated Mobile nut material(SW) Brass + Nickel plated (SW10) M8 coupling nut torque 0.2 N*m Rated voltage 30V AC/DC Rated current 1.5A O-ring material NBR Cable type -	contacts suitable for solder PCB. O8MQ6000-M8X1 Frontal side of the panel Male 6poles	with PVC soldered wires. 08MP6K0C-M8X1 Frontal side of the panel Male 6poles M8 x 1 Contacts to solder wires
Mounting typeFrontal side of the panelContacts typeMaleNumber of contacts6polesFixing ThreadM8 x 1Technical dataType of terminationContacts to solder wiresContacts materialBrass + Gold flashHousing /coupling nut materialBrass + Nickel platedMobile nut material(SW)Brass + Nickel plated (SW10)M8 coupling nut torque0.2 N*mRated voltage30V AC/DCRated current1.5AO-ring materialNBRCable type-	Frontal side of the panel Male 6poles	Frontal side of the panel Male 6poles M8 x 1 Contacts to solder wires
Contacts type Male Number of contacts 6poles Fixing Thread M8 x 1 Technical data Type of termination Contacts to solder wires Contacts material Brass + Gold flash Housing /coupling nut material Brass + Nickel plated Mobile nut material(SW) Brass + Nickel plated (SW10) M8 coupling nut torque 0.2 N*m Rated voltage 30V AC/DC Rated current 1.5A O-ring material NBR Cable type -	Male 6poles	Male 6poles M8 x 1 Contacts to solder wires
Number of contacts 6poles Fixing Thread M8 x 1 Technical data Type of termination Contacts to solder wires Contacts material Brass + Gold flash Housing /coupling nut material Brass + Nickel plated Mobile nut material(SW) Brass + Nickel plated (SW10) M8 coupling nut torque 0.2 N*m Rated voltage 30V AC/DC Rated current 1.5A O-ring material NBR Cable type -	6poles	6poles M8 x 1 Contacts to solder wires
Fixing Thread M8 x 1 Technical data Type of termination Contacts to solder wires Contacts material Brass + Gold flash Housing /coupling nut material Brass + Nickel plated Mobile nut material(SW) Brass + Nickel plated (SW10) M8 coupling nut torque 0.2 N*m Rated voltage 30V AC/DC Rated current 1.5A O-ring material NBR Cable type -	· · ·	M8 x 1 Contacts to solder wires
Technical data Type of termination Contacts to solder wires Contacts material Brass + Gold flash Housing /coupling nut material Brass + Nickel plated Mobile nut material(SW) Brass + Nickel plated (SW10) M8 coupling nut torque 0.2 N*m Rated voltage 30V AC/DC Rated current 1.5A O-ring material NBR Cable type -	M8 x 1	Contacts to solder wires
Type of terminationContacts to solder wiresContacts materialBrass+Gold flashHousing /coupling nut materialBrass+Nickel platedMobile nut material(SW)Brass+Nickel plated (SW10)M8 coupling nut torque0.2 N*mRated voltage30V AC/DCRated current1.5AO-ring materialNBRCable type-		
Type of terminationContacts to solder wiresContacts materialBrass+Gold flashHousing /coupling nut materialBrass+Nickel platedMobile nut material(SW)Brass+Nickel plated (SW10)M8 coupling nut torque0.2 N*mRated voltage30V AC/DCRated current1.5AO-ring materialNBRCable type-		
Contacts materialBrass + Gold flashHousing /coupling nut materialBrass + Nickel platedMobile nut material(SW)Brass + Nickel plated (SW10)M8 coupling nut torque0.2 N*mRated voltage30V AC/DCRated current1.5AO-ring materialNBRCable type-	Contacts to solder wires	
Housing /coupling nut materialBrass + Nickel platedMobile nut material(SW)Brass + Nickel plated (SW10)M8 coupling nut torque0.2 N*mRated voltage30V AC/DCRated current1.5AO-ring materialNBRCable type-	Brass+Gold flash	Diaso i dola naon
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M8 coupling nut torque 0.2 N*m Rated voltage 30V AC/DC Rated current 1.5A O-ring material NBR Cable type -	Brass+Nickel plated (SW10)	Brass+Nickel plated (SW10)
Rated voltage 30V AC/DC Rated current 1.5A O-ring material NBR Cable type -	0.2 N*m	0.2 N*m
Rated current 1.5A O-ring material NBR Cable type -	30V AC/DC	30V AC/DC
O-ring material NBR Cable type -	1.5A	1.5A
Cable type -	NBR	NBR
	-	PVC
	-	6x0.14mm ²
Conductor colours -	-	Brown; White; Blue; Black; Grey; Pink
Cable diameter -	-	
Wires length -	-	- 0.3m
		0.011
Packaging	I	I
Qty/Bag Not definited		Not definited
Other accessories options	Not definited	
See accessories section	Not definited	









Technical drawing		$\begin{array}{c} \bullet \\ \bullet $	
Product description			
Connector type	Circular connector panel mount	Circular connector panel mount	Circular connector panel mount
Conforms to	IEC 61076-2-104	IEC 61076-2-104	IEC 61076-2-104
Construction type	M8 A -Coding	M8 A -Coding	M8 A -Coding
Description	Circular connector M8 series,panle mount	Circular connector M8,panel mount,with contacts suitable for solder PCB.	Circular connector M8 series, panel mount, with PVC soldered wires.
Part number	08MP8000-M8X1	08MQ8000-M8X1	08MP8K0C-M8X1
Mounting type	Frontal side of the panel	Frontal side of the panel	Frontal side of the panel
Contacts type	Male	Male	Male
Number of contacts	8poles	8poles	8poles
Fixing Thread	M8 x 1	M8 x 1	M8 x 1
Technical data			
Type of termination	Contacts to solder wires	Contacts to solder wires	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Housing /coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Mobile nut material(SW)	Brass+Nickel plated (SW10)	Brass+Nickel plated (SW10)	Brass+Nickel plated (SW10)
M8 coupling nut torque	0.2 N*m	0.2 N*m	0.2 N*m
Rated voltage	30V AC/DC	30V AC/DC	30V AC/DC
Rated current	1.5A	1.5A	1.5A
O-ring material	NBR	NBR	NBR
Cable type	-	-	PVC
No.Conductors / Section	-	-	8x0.14mm ²
Conductor colours	-	-	White;Brown;Green;Yellow;Grey;Pink;Blue;Red
Cable diameter	-	-	-
Wireslength	•	•	0.3m
Packaging			
Qty/Bag	Not definited	Not definited	Not definited
Other accessories options			
See accessories section			
Notes: Connectors available with different fea See the general features and codificati			









Technical drawing	o(1	o	• •
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3 5 5 8 1 1			
Product description			
Connector type	Circular connector panel mount	Circular connector panel mount	Circular connector panel mount
Conforms to	IEC 61076-2-104	IEC 61076-2-104	IEC 61076-2-104
Construction type	M8 A -Coding	M8 A -Coding	M8 A -Coding
Description	Circular connector M8 series, panel mount	Circular connector M8,panel mount,with contacts suitable for solder PCB.	Circular connector M8 series, panel mount, with PVC soldered wires.
Part number	08FR3000-M10X1	08FS3000-M10X1	08FR3A0C-M10X1
Mounting type	Back side of the panel	Back side of the panel	Back side of the panel
Contacts type	Female	Female	Female
Number of contacts	3poles	3poles	3poles
Fixing Thread	M10 x 1	M10 x 1	M10 x 1
Technical data			
Type of termination	Contacts to solder wires	Contacts to solder PCB	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Housing /coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Mobile nut material(SW)	Brass+Nickel plated (SW13)	Brass+Nickel plated (SW13)	Brass+Nickel plated (SW13)
M8 coupling nut torque	0.2 N*m	0.2 N*m	0.2 N*m
Rated voltage	50V AC/ 60V DC	50V AC/ 60V DC	50V AC/ 60V DC
Rated current	3A	3A	3A
O-ring material	NBR	NBR	NBR
Cable type	-	-	PVC
No.Conductors / Section	-	-	3x0.25mm ²
Conductor colours	-	-	Brown; Blue; Black
	-	-	-
Cable diameter	-	-	- 0.3m
Wires length		-	0.011
Packaging			
Qty/Bag	Not definited	Not definited	Not definited
Other accessories options			
See accessories section			
Notes:			
Connectors available with different feauture: See the general features and codification so	s: heme page		









Technical drawing		$\begin{array}{c} \circ & \\ \circ \\ \circ \\ \bullet \\ \bullet$	
Product description		_	
Connector type	Circular connector panel mount	Circular connector panel mount	Circular connector panel mount
Conforms to	IEC 61076-2-104	IEC 61076-2-104	IEC 61076-2-104
Construction type	M8 A -Coding	M8 A -Coding	M8 A -Coding
Description	Circular connector M8 series, panel mount	Circular connector M8,panel mount,with contacts suitable for solder PCB.	Circular connector M8 series, panel mount, with PVC soldered wires.
Part number	08FR4000-M10X1	08FS4000-M10X1	08FR4A0C-M10X1
Mounting type	Back side of the panel	Back side of the panel	Back side of the panel
Contacts type	Female	Female	Female
Number of contacts	4poles	4poles	4poles
Fixing Thread	M10 x 1	M10 x 1	M10 x 1
Technical data			
Type of termination	Contacts to solder wires	Contacts to solder PCB	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Housing /coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Mobile nut material(SW)	Brass+Nickel plated (SW13)	Brass+Nickel plated (SW13)	Brass+Nickel plated (SW13)
M8 coupling nut torque	0.2 N*m	0.2 N*m	0.2 N*m
Rated voltage	50V AC/ 60V DC	50V AC/ 60V DC	50V AC/ 60V DC
Rated current	3A	3A	3A
O-ring material	NBR	NBR	NBR
Cable type	-	-	PVC
No.Conductors / Section	-	-	4x0.25mm ²
Conductor colours	-	-	Brown; White; Blue; Black
Cable diameter	-	-	-
Wires length	-	-	0.3m
Packaging			
Qty/Bag	Not definited	Not definited	Not definited
Other accessories options			
See accessories section			
Notes: Connectors available with different feau See the general features and codification			









Technical drawing			
Technical drawing $ \begin{array}{c} $	$\begin{array}{c} \circ \\ \circ $		
Product description			
Connector type	Circular connector panel mount	Circular connector panel mount	Circular connector panel mount
Conforms to	IEC 61076-2-104	IEC 61076-2-104	IEC 61076-2-104
Construction type	M8 A -Coding	M8 A -Coding	M8 A -Coding
Description	Circular connector M8 series, panel mount	Circular connector M8,panel mount,with contacts suitable for solder PCB.	Circular connector M8 series, panel mount, with PVC soldered wires.
Part number	08FR6000-M10X1	08FS6000-M10X1	08FR6K0C-M10X1
Mounting type	Back side of the panel	Back side of the panel	Back side of the panel
Contacts type	Female	Female	Female
Number of contacts	6poles	6poles	6poles
Fixing Thread	M10 x 1	M10 x 1	M10 x 1
Technical data			
Type of termination	Contacts to solder wires	Contacts to solder PCB	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Housing /coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Mobile nut material(SW)	Brass+Nickel plated (SW13)	Brass+Nickel plated (SW13)	Brass+Nickel plated (SW13)
M8 coupling nut torque	0.2 N*m	0.2 N*m	0.2 N*m
Rated voltage	30V AC/DC	30V AC/DC	30V AC/DC
Rated current	1.5A	1.5A	1.5A
O-ring material	NBR	NBR	NBR
Cable type	-	-	PVC
No.Conductors / Section	-	-	6x0.14mm ²
Conductor colours	-	-	Brown; White; Blue; Black; Grey; Pink
Cable diameter	-	-	-
Wires length	-	•	0.3m
Packaging			
Qty/Bag	Not definited	Not definited	Not definited
Other accessories options			
See accessories section			



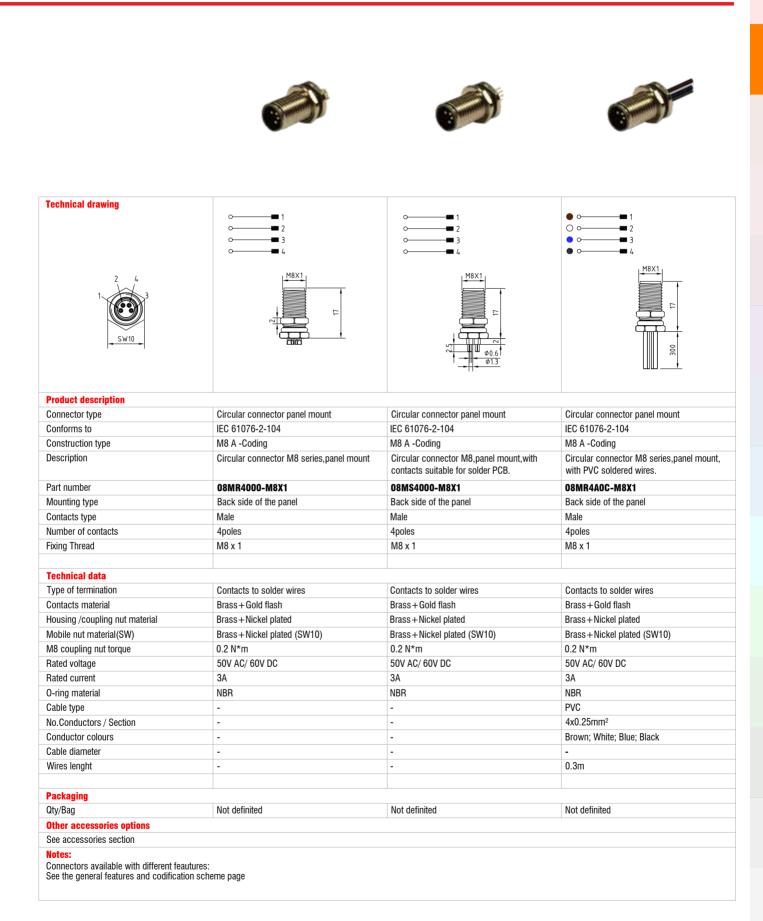






contacts suitable for solder PCB.with PVC soldered wires.Part number60MR300-M8X160MR300-M8X100MR3A0C-M8X1Mounting typeBack side of the panelBack side of the panelBack side of the panelContacts typeMaleMaleMaleNumber of contacts3poles3poles3polesSing ThreadM8 x 1M8 x 1MatTechnical dataTechnical dataContacts to solder wiresContacts to solder wiresContacts materialBrass + Gold flashBrass + Gold flashBrass + Gold flashHousing /coupling nut materialBrass + Gold flashBrass + Gold flashBrass + Hockel plated (SW10)M8 coupling nut materialStrass + Nickel plated (SW10)Brass + Nickel plated (SW10)Brass + Nickel plated (SW10)M8 coupling nut materialSOV AC/ 60V DCSOV AC/ 60V DCSOV AC/ 60V DCRated voltageSOV AC/ 60V DCSOV AC/ 60V DCSOV AC/ 60V DCRated voltageSOV AC/ 60V DCSOV AC/ 60V DCSOV AC/ 60V DCNa Conductors / SectionNo.Conductors / SectionAble flashNortageNortageNortageRated voltageRated voltageNortageNortage </th <th>Technical drawing</th> <th>o∎ 1 o∎ 3 o∎ 4</th> <th></th> <th>• • • • 1 • • • 3 • • • • 4</th>	Technical drawing	o∎ 1 o∎ 3 o∎ 4		• • • • 1 • • • 3 • • • • 4
Connector type Circular connector panel mount Circular connector panel mount Circular connector panel mount Conforms to IEC 61076-2-104 IEC 61076-2-104 IEC 61076-2-104 Construction type M8 A -Coding M8 A -Coding M8 A -Coding Description Circular connector M8 series, panel mount Circular connector M8 series, panel mount Circular connector M8 series, panel mount Mounting type Back side of the panel Back side of the panel Back side of the panel Contacts type Male Male Male Male Number of contacts 3poles 3poles 3poles 3poles Terchnical data M8 x 1 M8 x 1 M8 x 1 M8 x 1 Type of termination Contacts to solder wires Contacts to solder wires Contacts to solder wires Contacts target Brass + Sold flash Brass + Nickel plated Brass + Nickel plated Brass + Nickel plated Moling nut material Brass + Nickel plated (SW10) Sold	1 5 W 10			
Contorms to IEC 61076-2-104 IEC 61076-2-104 IEC 61076-2-104 Construction type M8 A -Coding M8 A -Coding M8 A -Coding M8 A -Coding Description Circular connector M8 series, panel mount Circular connector M8 panel mount, with Circular connector M8 series, panel mount, with PVC soldered wires. Part number OBMR300-M6X1 OBMR3000-M6X1 OBMR300-M6X1 OBMR300-M6X1 Mounting type Back side of the panel Back side of the panel Male Number of contacts 3poles 3poles 3poles String Thread M8 x 1 M8 x 1 M8 x 1 Vertherical data Contacts to solder wires Contacts to solder wires Contacts to solder wires Contacts material Brass + Nickel plated Brass + Hickel plated Brass + Hickel plated Brass + Hickel plated Mousing //coupling nut torque 0.2 N*m 0.2 N*m 0.2 N*m 0.2 N*m Rated votage S0V AC/ 60V DC S0V AC/ 60V DC S0V AC/ 60V DC S0V AC/ 60V DC Rated votage S0V AC/ 60V DC S0V AC/ 60V DC S0V AC/ 60V DC S0V AC/ 60V DC	Product description			
Construction type M8 A - Coding M8 A - Coding M8 A - Coding Description Circular connector M8 series, panel mount contacts suitable for solder PCB. Circular connector M8 series, panel mount contacts suitable for solder PCB. Circular connector M8 series, panel mount contacts suitable for solder PCB. DesmR3000-M8X1 DesmR300-M8X1 DesmR300-M8X1	Connector type	Circular connector panel mount	Circular connector panel mount	Circular connector panel mount
Description Circular connector M8 series, panel mount Circular connector M8 panel mount, with contacts suitable for solder PCB. Circular connector M8 series, panel mount with pPC soldered wires. Part number OBMR3000-M8X1 OBMR3000-M8X1 OBMR300C-M8X1 Mounting type Back side of the panel Back side of the panel Back side of the panel Contacts type Male Male Male Number of contacts 3poles 3poles 3poles Fixing Thread M8 x 1 M8 x 1 M8 x 1 Technical data Trass + Gold flash Brass + Gold flash Brass + Gold flash Type of termination Contacts to solder wires Contacts to solder wires Contacts to solder wires Contacts material Brass + Nickel plated Brass + Nickel plated Brass + Nickel plated Mobile nut material(SW) Brass + Nickel plated (SW10) Brass + Nickel plated (SW10) Brass + Nickel plated (SW10) M8 coupling nut torque 0.2 N*m 0.2 N*m 0.2 N*m 0.2 N*m Conductors / Section - SOV AC/ 60V DC SOV AC/ 60V DC SOV AC/ 60V DC SOV AC/ 60V DC Cable type - - - POC	Conforms to	IEC 61076-2-104	IEC 61076-2-104	IEC 61076-2-104
contacts suitable for solder PCB.with PVC soldered wires.Part number08MR3000-M8X108MR3000-M8X108MR3000-M8X1Mounting typeBack side of the panelBack side of the panelBack side of the panelContacts typeMaleMaleMaleNumber of contacts3poles3poles3polesStypeM8 x 1M8 x 1MateTechnical datContacts to solder wiresContacts to solder wiresContacts naterialType of terminationContacts to solder wiresContacts to solder wiresContacts to solder wiresContacts materialBrass + Gold flashBrass + Gold flashBrass + Gold flashHousing /coupling nut materialBrass + Gold flashBrass + Hockel platedBrass + Hockel plated (SW10)Mobile nut material(SW)Brass + Nickel plated (SW10)Brass + Nickel plated (SW10)Brass + Nickel plated (SW10)Mated voltage50V AC/ 60V DC50V AC/ 60V DC50V AC/ 60V DCRated voltage50V AC/ 60V DC50V AC/ 60V DC50V AC/ 60V DCNo.Conductors / SectionOnductors / SectionNo.Conductors / SectionCable dameterWires lengthWires lengthNo.Conductors / SectionNo.Conductors / SectionCable dameter<	Construction type	M8 A -Coding	M8 A -Coding	M8 A -Coding
Mounting typeBack side of the panelBack side of the panelBack side of the panelContacts typeMaleMaleMaleNumber of contacts3poles3poles3polesStreamM8 x 1M8 x 1MaleTreadM8 x 1M8 x 1MaleTerthical dataTerthical dataTerthical dataTotacts to solder wiresContacts to solder wires <td< td=""><td>Description</td><td>Circular connector M8 series, panel mount</td><td></td><td>Circular connector M8 series, panel mount, with PVC soldered wires.</td></td<>	Description	Circular connector M8 series, panel mount		Circular connector M8 series, panel mount, with PVC soldered wires.
Contacts typeMaleMaleMaleNumber of contacts3poles3poles3polesFixing ThreadM8 x 1M8 x 1Technical dataTechnical dataTechnical dataType of terminationContacts to solder wiresContacts to solder wiresContacts materialBrass + Gold flashBrass + Gold flashBrass + Alickel platedHousing /coupling nut materialBrass + Nickel platedBrass + Nickel platedBrass + Nickel platedM8 coupling nut torque0.2 N*m0.2 N*m0.2 N*mRated voltage50V AC/ 60V DC50V AC/ 60V DC50V AC/ 60V DCRated voltage50V AC/ 60V DC50V AC/ 60V DC50V AC/ 60V DCCable type3x0.25mm²Conductors / Section3x0.25mm²Cable diameterWires lengthCable diameterCable diameter <t< td=""><td>Part number</td><td>08MR3000-M8X1</td><td>08MS3000-M8X1</td><td>08MR3A0C-M8X1</td></t<>	Part number	08MR3000-M8X1	08MS3000-M8X1	08MR3A0C-M8X1
Number of contacts3poles3poles3polesFixing ThreadM8 x 1M8 x 1M8 x 1Technical dataType of terminationContacts to solder wiresContacts to solder wiresContacts materialBrass + Gold flashBrass + Gold flashBrass + Gold flashMosile nut materialBrass + Nickel platedBrass + Nickel platedBrass + Nickel platedMobile nut material(SW)Brass + Nickel plated (SW10)Brass + Nickel plated (SW10)Brass + Nickel plated (SW10)M8 coupling nut torque0.2 N*m0.2 N*m0.2 N*m0.2 N*mRated voltage50V AC/ 60V DC50V AC/ 60V DC50V AC/ 60V DCRated voltage50V AC/ 60V DC50V AC/ 60V DC50V AC/ 60V DCRated voltage0.2 N*m0.2 N*m3A3AO-ring materialNBRNBRNBRNBRConductors / SectionSociestime-Cable typeWires lengthMires lengthMires lengthMires lengthMires lengthMires lengthMires lengthMires lengthMires length	Mounting type	Back side of the panel	Back side of the panel	Back side of the panel
Fixing Thread M8 x 1 M8 x 1 M8 x 1 Technical data	Contacts type	Male	Male	Male
Technical dataType of terminationContacts to solder wiresContacts to solder wiresContacts materialBrass + Gold flashBrass + Gold flashHousing /coupling nut materialBrass + Nickel platedBrass + Nickel platedMobile nut material(SW)Brass + Nickel plated (SW10)Brass + Nickel plated (SW10)M8 coupling nut torque0.2 N*m0.2 N*m0.2 N*m0.2 N*m0.2 N*mRated voltage50V AC/ 60V DC50V AC/ 60V DCRated voltage50V AC/ 60V DC50V AC/ 60V DCRated voltage0ring materialNBRNBRConductors / SectionConductor s / SectionCable typeNorde diameterVires lengthAgagNot definitedNot definitedNot definitedNot definitedOth definitedOth definitedNot definited	Number of contacts	3poles	3poles	3poles
Type of terminationContacts to solder wiresContacts to solder wiresContacts to solder wiresContacts materialBrass + Gold flashBrass + Gold flashBrass + Gold flashHousing /coupling nut materialBrass + Nickel platedBrass + Nickel platedBrass + Nickel platedMobile nut material(SW)Brass + Nickel plated (SW10)Brass + Nickel plated (SW10)Brass + Nickel plated (SW10)M8 coupling nut torque0.2 N*m0.2 N*m0.2 N*mRated voltage50V AC/ 60V DC50V AC/ 60V DC50V AC/ 60V DCRated current3A3A3AO-ring materialNBRNBRNBRConductors / Section9VCNo.Conductors / Section3x0.25mm²Conductor coloursCable diameterWires lengthVirg BagNot definitedNot definitedNot definitedOther secessories section	Fixing Thread	M8 x 1	M8 x 1	M8 x 1
Contacts materialBrass + Gold flashBrass + Gold flashBrass + Gold flashHousing /coupling nut materialBrass + Nickel platedBrass + Nickel platedBrass + Nickel platedMobile nut material(SW)Brass + Nickel plated (SW10)Brass + Nickel plated (SW10)Brass + Nickel plated (SW10)M8 coupling nut torque0.2 N*m0.2 N*m0.2 N*mRated voltage50V AC/ 60V DC50V AC/ 60V DC50V AC/ 60V DCRated current3A3A3AO-ring materialNBRNBRNBRCable type9VCNo.Conductors / Section3x0.25mm²Conductor colours9row; Blue; BlackCable diameter0.3mVires length0.3mPackagingNot definitedNot definitedNot definitedOther accessories section	Technical data			
Housing /coupling nut materialBrass + Nickel platedBrass + Nickel plated (SW10)Brass + Nickel plated (SW10)Brass + Nickel plated (SW10)Mobile nut material (SW)Brass + Nickel plated (SW10)Brass + Nickel plated (SW10)Brass + Nickel plated (SW10)M8 coupling nut torque0.2 N*m0.2 N*m0.2 N*mRated voltage50V AC/ 60V DC50V AC/ 60V DC50V AC/ 60V DCRated current3A3A3AO-ring materialNBRNBRNBRCable typePVCNo.Conductors / Section3x0.25mm²Conductor coloursCable diameterWires lengthVires lengthVires lengthNot definitedNot definitedNot definitedOtre district sectoresEver accessories section	Type of termination	Contacts to solder wires	Contacts to solder wires	Contacts to solder wires
Mobile nut material(SW)Brass + Nickel plated (SW10)Brass + Nickel plated (SW10)Brass + Nickel plated (SW10)M8 coupling nut torque0.2 N*m0.2 N*m0.2 N*mRated voltage50V AC/ 60V DC50V AC/ 60V DC50V AC/ 60V DCRated current3A3A3AO-ring materialNBRNBRNBRCable typePVCNo.Conductors / Section3x0.25mm²Conductor coloursCable diameterVires length0.3mPackagingNot definitedVot definitedNot definitedOther accessories section	Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Mobile nut material(SW)Brass + Nickel plated (SW10)Brass + Nickel plated (SW10)Brass + Nickel plated (SW10)M8 coupling nut torque0.2 N*m0.2 N*m0.2 N*mRated voltage50V AC/ 60V DC50V AC/ 60V DC50V AC/ 60V DCRated current3A3A3AO-ring materialNBRNBRNBRCable typePVCNo.Conductors / Section3x0.25mm²Conductor coloursCable diameterVires length0.3mPackagingNot definitedNot definitedNot definitedOther accessories section	Housing /coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
M8 coupling nut torque0.2 N*m0.2 N*m0.2 N*mRated voltage50V AC/ 60V DC50V AC/ 60V DC50V AC/ 60V DCRated current3A3A3AO-ring materialNBRNBRNBRCable typePVCNo.Conductors / Section3x0.25mm²Conductor coloursBrown; Blue; BlackCable diameterVires length0.3mPackagingVot definitedNot definited <td></td> <td>Brass+Nickel plated (SW10)</td> <td>Brass+Nickel plated (SW10)</td> <td>Brass+Nickel plated (SW10)</td>		Brass+Nickel plated (SW10)	Brass+Nickel plated (SW10)	Brass+Nickel plated (SW10)
Rated voltage50V AC/ 60V DC50V AC/ 60V DCRated current3A3AO-ring materialNBRNBRCable typeNo.Conductors / SectionO-ring materialNo.Conductors / SectionConductor coloursCable diameterOrrege HammerVires lengthOrrege HammerVires lengthOrrege HammerQty/BagNot definitedNot definitedNot definitedOther accessories section				
Rated current3A3A3AO-ring materialNBRNBRNBRCable typePVCNo.Conductors / Section3x0.25mm²Conductor coloursBrown; Blue; BlackCable diameterVires length0.3mConductor coloursVires length0.3mPackagingOty definitedNot definitedNot definitedOty definitedOty definitedNot definitedNot definitedSee accessories section		50V AC/ 60V DC	50V AC/ 60V DC	50V AC/ 60V DC
Cable typePVCNo.Conductors / Section3x0.25mm²Conductor coloursBrown; Blue; BlackCable diameterWires length0.3mVires length0.3mPackagingVot definitedNot definitedNot definitedNot definitedSee accessories section	•	3A	3A	3A
Cable typePVCNo.Conductors / Section-3x0.25mm²Conductor coloursBrown; Blue; BlackCable diameterWires length0.3mPackagingNot definitedNot definitedNot definitedOther accessories optionsSee accessories section	O-ring material	NBR	NBR	NBR
No.Conductors / Section - 3x0.25mm² Conductor colours - Brown; Blue; Black Cable diameter - - Wires length - - Volter accessories options - - See accessories section - -	•			
Conductor colours-Brown; Blue; BlackCable diameterWires length0.3mWires length0.3mPackagingNot definitedNot definitedNot definitedOther accessories optionsSee accessories section		-	-	3x0.25mm ²
Cable diameter - - Wires length - 0.3m Packaging - - Qty/Bag Not definited Not definited Other accessories options - -	•	-	-	Brown; Blue; Black
Wires length - 0.3m Packaging - - Qty/Bag Not definited Not definited Other accessories options - - See accessories section - -		-	-	-
Qty/Bag Not definited Not definited Other accessories options See accessories section	Wires length	-	-	0.3m
Qty/Bag Not definited Not definited Other accessories options See accessories section	Packaging			
See accessories section		Not definited	Not definited	Not definited
See accessories section				I
Notes:	· · · · · · · · · · · · · · · · · · ·			
	Notes:			













Technical drawing			
Product description			
Connector type	Circular connector panel mount	Circular connector panel mount	Circular connector panel mount
Conforms to	IEC 61076-2-104	IEC 61076-2-104	IEC 61076-2-104
Construction type	M8 A -Coding	M8 A -Coding	M8 A -Coding
Description	Circular connector M8 series, panel mount	Circular connector M8,panel mount,with contacts suitable for solder PCB.	Circular connector M8 series, panel mount, with PVC soldered wires.
Part number	08MR6000-M8X1	08MS6000-M8X1	08MR6K0C-M8X1
Mounting type	Back side of the panel	Back side of the panel	Back side of the panel
Contacts type	Male	Male	Male
Number of contacts	6poles	6poles	6poles
Fixing Thread	M8 x 1	M8 x 1	M8 x 1
Technical data			
Type of termination	Contacts to solder wires	Contacts to solder wires	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Housing /coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Mobile nut material(SW)	Brass+Nickel plated (SW10)	Brass+Nickel plated (SW10)	Brass+Nickel plated (SW10)
M8 coupling nut torque	0.2 N*m	0.2 N*m	0.2 N*m
Rated voltage	30V AC/DC	30V AC/DC	30V AC/DC
Rated current	1.5A	1.5A	1.5A
O-ring material	NBR	NBR	NBR
Cable type	-	-	PVC
No.Conductors / Section	•	-	6x0.14mm ²
Conductor colours	•	-	Brown; White; Blue; Black; Grey; Pink
Cable diameter	-	-	-
Wires lenght	•	•	0.3m
Packaging			
Qty/Bag	Not definited	Not definited	Not definited
Other accessories options		Not domited	Not domited
See accessories section			
Notes:			
Connectors available with different fea See the general features and codificati			









Technical drawing		0 1 0 2 0 3 0 4 0 5 0 6 0 7 0 8 8 1 1 1 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	
Product description			
Connector type	Circular connector panel mount	Circular connector panel mount	Circular connector panel mount
Conforms to	IEC 61076-2-104	IEC 61076-2-104	IEC 61076-2-104
Construction type	M8 A -Coding	M8 A -Coding	M8 A -Coding
Description	Circular connector M8 series, panel mount	Circular connector M8,panel mount,with contacts suitable for solder PCB.	Circular connector M8 series, panel mount, with PVC soldered wires.
Part number	08MR8000-M8X1	08MS8000-M8X1	08MR8K0C-M8X1
Mounting type	Back side of the panel	Back side of the panel	Back side of the panel
Contacts type	Male	Male	Male
Number of contacts	8poles	8poles	8poles
Fixing Thread	M8 x 1	M8 x 1	M8 x 1
Technical data			
Type of termination	Contacts to solder wires	Contacts to solder wires	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Housing /coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Mobile nut material(SW)	Brass+Nickel plated (SW10)	Brass+Nickel plated (SW10)	Brass+Nickel plated (SW10)
M8 coupling nut torque	0.2 N*m	0.2 N*m	0.2 N*m
Rated voltage	30V AC/ DC	30V AC/ DC	30V AC/ DC
Rated current	1.5A	1.5A	1.5A
O-ring material	NBR	NBR	NBR
Cable type	-	-	PVC
No.Conductors / Section	-	-	8x0.14mm ²
Conductor colours	-	-	White;Brown;Green;Yellow;Grey;Pink;Blue;Re
Cable diameter	-	-	-
Wires length	•	•	0.3m
Packaging			
Qty/Bag	Not definited	Not definited	Not definited
Other accessories options			
See accessories section			
Notes: Connectors available with different fear See the general features and codificati			







Technical drawing $ \begin{array}{c} $		
Product description	1	
Connector type	Circular connector panel mount	Circular connector panel mount
Conforms to	IEC 61076-2-104	IEC 61076-2-104
Construction type	M8 A -Coding	M8 A -Coding
Description	Adapter Female - Male M8 series circular connector,panel mount	Adapter Female - Male M8 series circular connector,panel mount
Part number	08FP3-08MP-M8X1	08FP4-08MP-M8X1
Mounting type	Frontal side of the panel	Frontal side of the panel
Contacts type	Female - Male	Female - Male
Number of contacts	3poles	4poles
Fixing Thread	M8 x 1	M8 x 1
Technical data		
Type of termination	Contacts to solder wires	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash
Housing /coupling nut material		Brass+Nickel plated
Mobile nut material(SW)	Brass+Nickel plated (SW10)	Brass+Nickel plated (SW10)
M8 coupling nut torque	0.2 N*m	0.2 N*m
Rated voltage	50V AC/ 60V DC	50V AC/ 60V DC
Rated current	3A	3A
O-ring material	NBR	NBR
Packaging		
Qty/Bag	Not definited	Not definited
Other accessories options		
See accessories section		
Notes:		







Moulded cable connectors - General features and codification scheme



• GENERAL FEATURES OF MOULDED CONNECTORS:

Conductor cross section : 0.14(26AWG)...0.50mm²(20AWG).

Type of terminations : To solder wires.

Brass + Gold flash

Fixing system : M9 coupling nut.

Max. screw torque IEC60947-1 M9 coupling nut torque 0.2 N*m Housing material : Polypropylene (Black).

Contact material and treatment :

Internal core material : PA66.

Coupling nut material : Brass+Nickel plated. Stainless steel AISI304(upon request). Stainless steel AISI316(upon request).

09 F J 5 J 1Z 09 Μ J ## -SERIES 09 : M9 CIRCULAR CONNECTOR GENDER | F: FEMALE. M: MALE. CONNECTOR TYPE D : STRAIGHT 180°. J : STRAIGHT 180° TOTALLY SHIELDED. NUMBERS OF POLES 5 : 5POLES CABLE TYPE |-J : PVC/PVC CEI2022 5x0.25mm² BLACK. U: PUR/PUR 5x0.25mm² BLACK. CABLE LENGTH
 1Z: 1m
 A: +10cm

 2Z: 2m
 B: +20cm

 3Z: 3m
 C: +30cm
 EXAMPLE: "...1<u>C</u>" = 1.3m "...1<u>F</u>" = 1.6m" "...2<u>A</u>" = 2.1m" I: +90cm EXTENSION SPECIFY OTHER CONNECTOR'S SIDE.

SOME VARIABLES

 $\label{eq:inversion} \begin{array}{l} \text{INOX}: \texttt{M9} \ \texttt{COUPLING} \ \texttt{NUT} \ \texttt{IN} \ \texttt{STAINLESS} \ \texttt{STEEL}(\texttt{AISI304}). \ \textbf{IN316}: \texttt{M9} \ \texttt{COUPLING} \ \texttt{NUT} \ \texttt{IN} \ \texttt{STAINLESS} \ \texttt{STEEL}(\texttt{AISI316}). \\ \textbf{HN}: \texttt{HEXAGONAL} \ \texttt{M9} \ \texttt{COUPLING} \ \texttt{NUT} \ \texttt{N} \ \texttt{S}: \texttt{SPECIAL} \ \texttt{STRIPPING}/\texttt{PELING-TINNING}. \ \texttt{Y}: \texttt{WITHOUT} \ \texttt{H.T.P.LOGO}. \end{array}$

• M9 CONNECTORS CABLE:

Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C
J	PVC/PVC	SHIELDED	Black	0.25mm ²	5	ø5.2mm	-20°C / +80°C
U	PUR/PUR	SHIELDED	Black	0.25mm ²	5	ø5.2mm	-40°C / +80°C

Protection class : IP 67

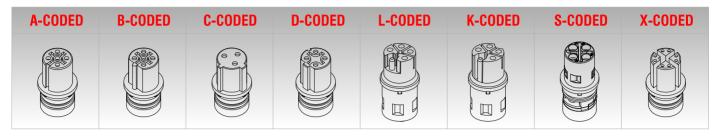
Operating temperature : $-25^{\circ}C + 90^{\circ}C$.



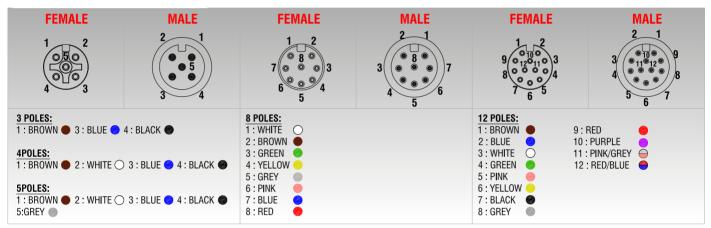




• CODING OF M12 CONNECTORS:



• M12 A-CODED I/O NETWORKS:



NOTE:

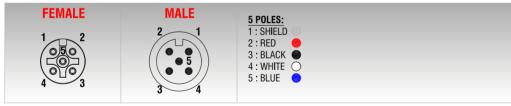
All the connector coding can be used in I/O (Input/Output) networks to prevent connection mistakes using different coupling keys or to be used in many applications when the connectors get coupling with a different cables.

M12 A-CODED DEVICENET NETWORKS:

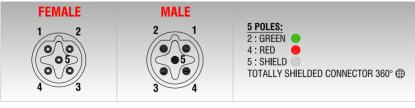


PROFI

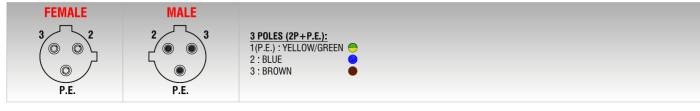
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• M12 B-CODED PROFIBUS NETWORKS:



M12 C-CODED I/O NETWORKS:





• M12 D-CODED PROFINET/ETHERCAT NETWORKS:



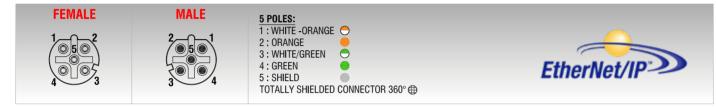


1 : YELLOW 2 : WHITE ○ 3 : ORANGE 4 : BLUE TOTALLY SHIELDED CONNECTOR 360° ⊕

5 POLES:



• M12 D-CODED ETHERNET NETWORKS:



• M12 K-CODED POWER CONNECTOR :

FEMALE	MALE	5 POLES (4P+P.E.):	5 POLES TOTALLY SHIELDED (4P+P.E.):
P.E.	P.E.	1 : BLACK 1	1 : BLACK 1
10		2 : BLACK 2	2 : BLACK 2
		3 : BLACK 3 🛛 🔵	3 : BLACK 3 🛛 🔵
		4 : BLACK 4 🛛 🔵	4 : BLACK 4
3 0 0 2	2 3	5(P.E.) : YELLOW/GREEN 👄	5(P.E.) : YELLOW/GREEN 😑 🌐
	-		TOTALLY SHIELDED CONNECTOR 360° + SHIELD CONNECTED TO P.E.

• M12 L-CODED POWER CONNECTOR :

FEMALE	MALE	5 POLES (4P+FE):		5 POLES TOTALLY SHIELDED (4P+FE):
F.E.	F.E.	1 : BROWN		1 : BROWN
	102	2 : WHITE	0	2 : WHITE O
		3 : BLUE	•	3 : BLUE 😑
		4 : BLACK		4 : BLACK 🛛 🌑
3 0 2	2 0 0 3	FE : GREY		FE : GREY 🛛 🌑
				TOTALLY SHIELDED CONNECTOR 360° 🌐

• M12 S-CODED POWER CONNECTOR :



• M12 X-CODED ETHERNET NETWORKS:





Field attachable - General features and codification scheme

• GENERAL FEATURES OF FIELD ATTACHABLE CONNECTORS:

Cable Gland :

Plastic Housing PG7 : Ø CABLE 4-6mm. PG9 : Ø CABLE 6-8mm. PG11 : Ø CABLE 6-10mm. PG11 double exit: Ø5.5mm max. SK : Ø CABLE 4-8.6mm. Metal Housing : Ø CABLE 4-8mm.

Conductor cross section : 0.14(26AWG)...0.75mm²(18AWG).

Fixing system : M12 coupling nut. Max. screw torque IEC60947-1 : Contact screw torque 0.2N*m. M12 coupling nut torque 0.4N*m. ATEX coupling nut torque 0.6N*m.

Type of terminations : Screw.

Solder wires(12 poles).

Contact material and treatment : Brass + Gold flash.

Housing material : PA66 UL94-V2. PA66 UL94-V0 ATEX approved. Brass+Nickel plated.

Internal core material : PA66 UL94-V2. PA66 UL94-V0(ATEX approved).

Coupling nut material : Brass + Nickel plated. Stainless steel AISI304(upon request). Stainless steel AISI316(upon request).

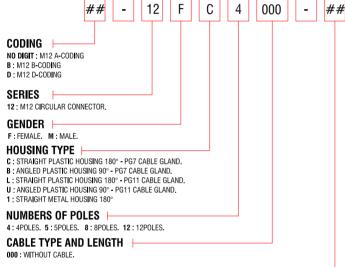
Flammability resistance :

UL94-V0 - ATEX approved.

UL94-V2 Standard

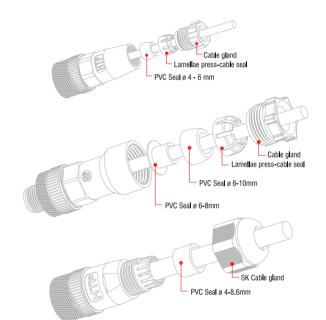
Protection class : IP65/67 (assembled).

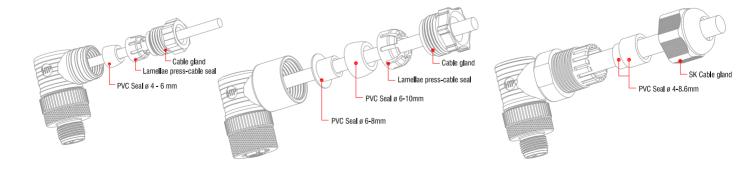
Operating temperature : -40°C +90°C. -25°C +85°C(metal housing). -20°C +85°C ATEX approved.



SOME VARIABLES

ATEX: ATEX conform. H: HEXAGONAL PRESS CABLE SCREW. HN: HEXAGONAL M12 COUPLING NUT. INOX: M12 COUPLING NUT IN STAINLESS STEEL(AISI304). IN316: M12 COUPLING NUT IN STAINLESS STEEL(AISI316). SK: Cable gland SK style. Y: WITHOUT H.T.P.LOGO.





A-coded - Field attachable connectors

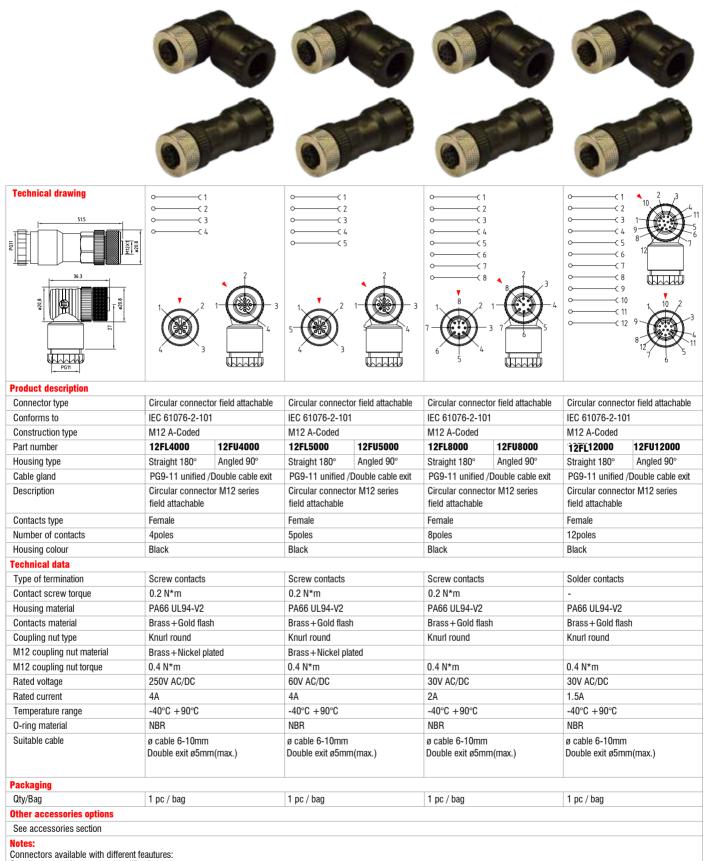


			5					
o		o(1		o		o	² → ³ ³	
o(2 o(3 o(4		oC2 oC3 oC4 oC5		o (2) o (3) o (4) o (5) o (6) o (7) o (8)	2	o		
	3	5-4-2-2-3	1			o		
Circular connecto	r field attachable	Circular connecto	or field attachable	Circular connecto	or field attachable	Circular connec	tor field attachable	
IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-10	1	
M12 A-Coded		M12 A-Coded		M12 A-Coded		M12 A-Coded		
12FC4000	12FB4000	12FC5000	12FB5000	12FC8000	12FB8000	12FC12000	12FB12000	
Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°	
PG7 standard		PG7 standard		PG7 standard		PG7 standard		
Circular connector M12 series field attachable		Circular connector M12 series field attachable		Circular connector field attachable	Circular connector M12 series field attachable		Circular connector M12 series field attachable	
Female		Female		Female		Female		
4poles		5poles		8poles		12poles		
Black		Black		Black		Black		
Screw contacts		Screw contacts		Screw contacts		Solder contacts		
		0.0 NH+		0.0.14		-		
0.2 N*m		0.2 N*m		0.2 N*m		PA66 UL94-V2		
0.2 N*m PA66 UL94-V2		0.2 N^m PA66 UL94-V2		0.2 N*m PA66 UL94-V2		PA66 UL94-V2		
PA66 UL94-V2 Brass+Gold flash	1	PA66 UL94-V2 Brass+Gold flash	'n	PA66 UL94-V2 Brass+Gold flas	h	Brass+Gold flas	sh	
PA66 UL94-V2 Brass + Gold flash Knurl round		PA66 UL94-V2 Brass+Gold flash Knurl round		PA66 UL94-V2 Brass+Gold flas Knurl round		Brass+Gold flas Knurl round		
PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel pla		PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel pla		PA66 UL94-V2 Brass + Gold flas Knurl round Brass + Nickel pla		Brass+Gold flas Knurl round Brass+Nickel p		
PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel pla 0.4 N*m		PA66 UL94-V2 Brass+Gold flash Knurl round Brass+Nickel pla 0.4 N*m		PA66 UL94-V2 Brass+Gold flas Knurl round Brass+Nickel pla 0.4 N*m		Brass + Gold flas Knurl round Brass + Nickel p 0.4 N*m		
PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel pla 0.4 N*m 250V AC/DC		PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel pla 0.4 N*m 60V AC/DC		PA66 UL94-V2 Brass + Gold flas Knurl round Brass + Nickel pla 0.4 N*m 30V AC/DC		Brass + Gold flas Knurl round Brass + Nickel p 0.4 N*m 30V AC/DC		
PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel pla 0.4 N*m 250V AC/DC 4A		PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.4 N*m 60V AC/DC 4A		PA66 UL94-V2 Brass + Gold flas Knurl round Brass + Nickel pla 0.4 N*m 30V AC/DC 2A		Brass + Gold flas Knurl round Brass + Nickel p 0.4 N*m 30V AC/DC 1.5A		
PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel pla 0.4 N*m 250V AC/DC 4A -40°C +90°C		PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.4 N*m 60V AC/DC 4A -40°C + 90°C		PA66 UL94-V2 Brass + Gold flas Knurl round Brass + Nickel pla 0.4 N*m 30V AC/DC 2A -40°C +90°C		Brass + Gold flas Knurl round Brass + Nickel p 0.4 N*m 30V AC/DC 1.5A -40°C +90°C		
PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel pla 0.4 N*m 250V AC/DC 4A -40°C +90°C NBR		PA66 UL94-V2 Brass + Gold flasl Knurl round Brass + Nickel pla 0.4 N*m 60V AC/DC 4A -40°C +90°C NBR		PA66 UL94-V2 Brass + Gold flas Knurl round Brass + Nickel pla 0.4 N*m 30V AC/DC 2A -40°C +90°C NBR		Brass + Gold flas Knurl round Brass + Nickel p 0.4 N*m 30V AC/DC 1.5A -40°C + 90°C NBR		
PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel pla 0.4 N*m 250V AC/DC 4A -40°C +90°C		PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.4 N*m 60V AC/DC 4A -40°C + 90°C		PA66 UL94-V2 Brass + Gold flas Knurl round Brass + Nickel pla 0.4 N*m 30V AC/DC 2A -40°C +90°C		Brass + Gold flas Knurl round Brass + Nickel p 0.4 N*m 30V AC/DC 1.5A -40°C +90°C		
PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel pla 0.4 N*m 250V AC/DC 4A -40°C +90°C NBR		PA66 UL94-V2 Brass + Gold flasl Knurl round Brass + Nickel pla 0.4 N*m 60V AC/DC 4A -40°C +90°C NBR		PA66 UL94-V2 Brass + Gold flas Knurl round Brass + Nickel pla 0.4 N*m 30V AC/DC 2A -40°C +90°C NBR		Brass + Gold flas Knurl round Brass + Nickel p 0.4 N*m 30V AC/DC 1.5A -40°C + 90°C NBR		
PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel pla 0.4 N*m 250V AC/DC 4A -40°C +90°C NBR		PA66 UL94-V2 Brass + Gold flasl Knurl round Brass + Nickel pla 0.4 N*m 60V AC/DC 4A -40°C +90°C NBR		PA66 UL94-V2 Brass + Gold flas Knurl round Brass + Nickel pla 0.4 N*m 30V AC/DC 2A -40°C +90°C NBR		Brass + Gold flas Knurl round Brass + Nickel p 0.4 N*m 30V AC/DC 1.5A -40°C + 90°C NBR		
	Circular connecto IEC 61076-2-101 M12 A-Coded 12FC4000 Straight 180° PG7 standard Circular connecto field attachable Female 4poles Black	Circular connector field attachable IEC 61076-2-101 M12 A-Coded 12FC4000 Straight 180° PG7 standard Circular connector M12 series field attachable Fernale 4poles Black	$\begin{array}{c} \circ & \ & \ & \ & \ & \ & \ & \ & \ & \ &$	$\begin{array}{c c c c c c c } \hline & & & & & & & & & & & & & & & & & & $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	0 Circular connector field attachable 0 Circular connector field attachable 0	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	

Connectors available with different feautures: See the general features and codification scheme page



A-coded - Field attachable connectors



See the general features and codification scheme page

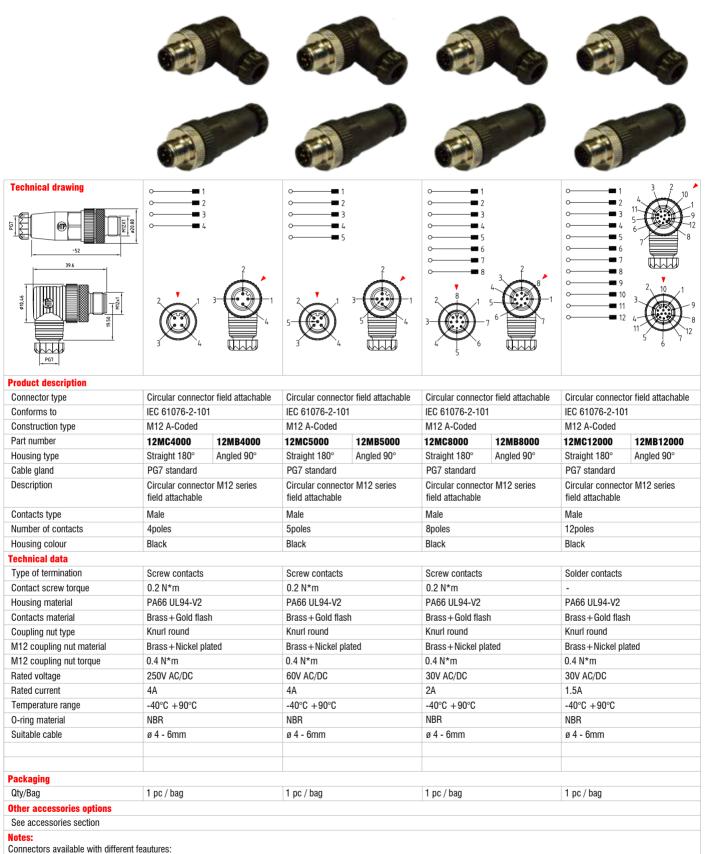
A-coded - Field attachable connectors



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Technical drawing	o(1		o		o(1		o(1	4 2 3
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					$\begin{array}{c} & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\$		o (7 o (8 o (9) o (10 o (11 o (12)	
								6
Product description	Oireulan e en est		0:	6-14	Oireular correct	. Cold attackship	Oine dan e en e e e	
Connector type	Circular connecto		Circular connector field attachable		Circular connector field attachable		Circular connector field attachable IEC 61076-2-101	
Conforms to Construction type	IEC 61076-2-101 M12 A-Coded		IEC 61076-2-101		IEC 61076-2-101		M12 A-Coded	
Part number	12FC4000-SK	12FB4000-SK	M12 A-Coded		M12 A-Coded 12FC8000-SK 12FB8000-SK		12FC12000-SK 12FB12000-3	
Housing type	Straight 180°	Angled 90°	12FC5000-SK Straight 180°	12FB5000-SK Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°
Cable gland	PG9 SK model	Aligieu 30	PG9 SK model	Aligieu 30	PG9 SK model	Aligieu 30	PG9 SK model	Aligieu 30
Description	Circular connector M12 series		Circular connector M12 series		Circular connector M12 series		Circular connector M12 series	
2 occupation	field attachable		field attachable		field attachable		field attachable	
Contacts type	Female		Female		Female		Female	
Number of contacts	4poles		5poles		8poles		12poles	
Housing colour	Black		Black		Black		Black	
Technical data								
Type of termination	Screw contacts		Screw contacts		Screw contacts		Solder contacts	
Contact screw torque	0.2 N*m		0.2 N*m		0.2 N*m		-	
Housing material	PA66 UL94-V2		PA66 UL94-V2		PA66 UL94-V2		PA66 UL94-V2	
Contacts material	Brass+Gold flas	1	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Knurl round		Knurl round		Knurl round		Knurl round	
M8 coupling nut material	Brass+Nickel pla	ited	Brass+Nickel pla	ated	Brass+Nickel pla	ted	Brass+Nickel plated	
M8 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	250V AC/DC		60V AC/DC		30V AC/DC		30V AC/DC	
Rated current	4A		4A		2A		1.5A	
Temperature range	-40°C +90°C		-40°C +90°C		-40°C +90°C		-40°C +90°C	
O-ring material	NBR		NBR		NBR		NBR	
Suitable cable	ø 4 - 8.6mm		ø 4 - 8.6mm		ø 4 - 8.6mm		ø 4 - 8.6mm	
Packaging								
Qty/Bag	1 pc / bag		1 pc / bag		1 pc / bag		1 pc / bag	
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Other accessories options								



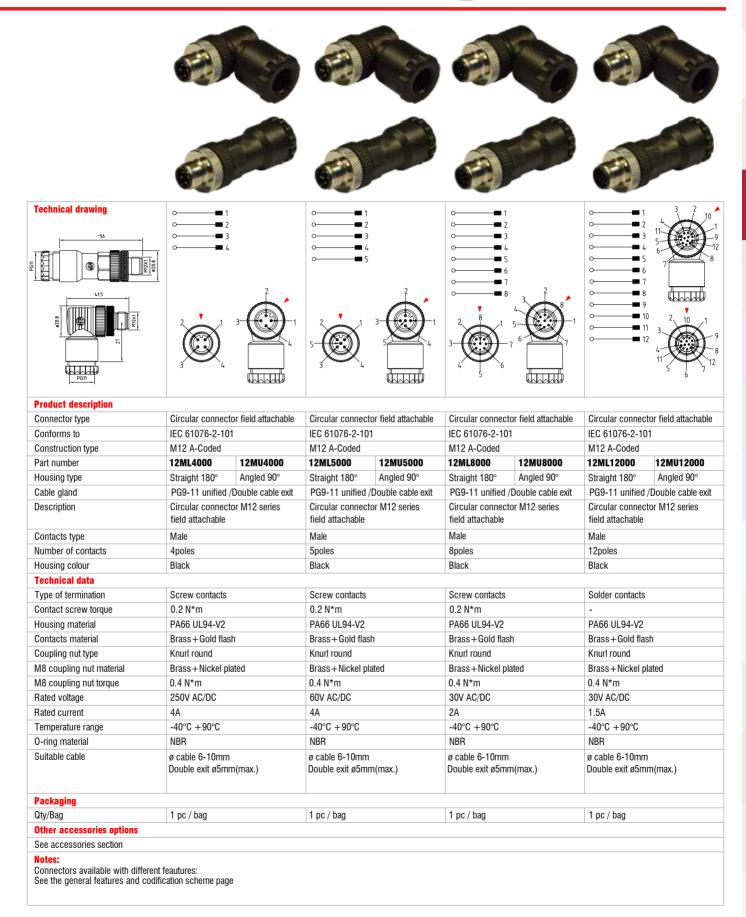
A-coded - Field attachable connectors



See the general features and codification scheme page

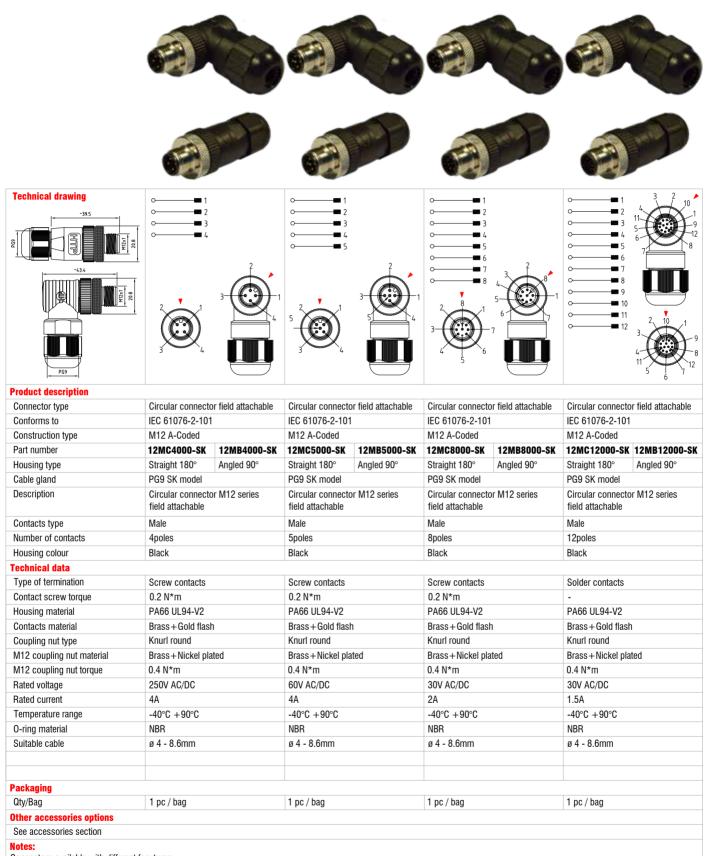
A-coded - Field attachable connectors







A-coded - Field attachable connectors



Connectors available with different feautures: See the general features and codification scheme page

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A-coded - Field attachable connectors



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Technical drawing	o (1) o (2) o (3) o (4)	o 1 o 2 o 3 o 4	0		o(1 o(2 o(3 o(4 o(5		0	o o o
				J _ J	0 () 0	o	o (3) o (6) o (7) o (8) o (9) o (10) o (11)	0 0 0 0 0 0 0 0 0 0
				5				
Product description							б	D
Connector type	Circular connecto	or field attachable	Circular connecto	r field attachable	Circular connecte	or field attachable	Circular connec	tor field attachable
Conforms to	IEC 61076-2-101	1	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-10	
Construction type	M12 A-Coded		M12 A-Coded		M12 A-Coded		M12 A-Coded	
Part number	12F14000	12M14000	12F15000	12M15000	12F18000	12M18000	12F112000	12M112000
Housing type	Straight 180°		Straight 180°	1	Straight 180°		Straight 180°	
iousing type					ou augure 100			
	PG9 standard		PG9 standard		PG9 standard		PG9 standard	
Cable gland		or M12 series field LLY SHIELDED	PG9 standard Circular connecto attachable TOTAL		PG9 standard	or M12 series field LY SHIELDED		tor M12 series fie ALLY SHIELDED
Cable gland Description	Circular connecto		Circular connecto		PG9 standard Circular connected		Circular connec	
Cable gland Description Contacts type	Circular connecto attachable TOTA	LLY SHIELDED	Circular connecto attachable TOTAL	LY SHIELDED	PG9 standard Circular connecte attachable TOTA	LY SHIELDED	Circular connec attachable TOTA	ALLY SHIELDED
Cable gland Description Contacts type Jumber of contacts	Circular connecto attachable TOTAL Female	LLY SHIELDED	Circular connecto attachable TOTAL Female	LY SHIELDED	PG9 standard Circular connecte attachable TOTAI Female	LY SHIELDED	Circular connec attachable TOTA Female	ALLY SHIELDED
Cable gland Description Contacts type lumber of contacts Housing colour	Circular connecto attachable TOTAL Female 4poles	LLY SHIELDED	Circular connecto attachable TOTAL Female 5poles	LY SHIELDED	PG9 standard Circular connecte attachable TOTAI Female 8poles	LY SHIELDED	Circular connec attachable TOTA Female 12poles	ALLY SHIELDED
Cable gland Description Contacts type Jumber of contacts Housing colour Technical data	Circular connecto attachable TOTAL Female 4poles	LLY SHIELDED	Circular connecto attachable TOTAL Female 5poles	LY SHIELDED	PG9 standard Circular connecte attachable TOTAI Female 8poles	LY SHIELDED	Circular connec attachable TOTA Female 12poles	ALLY SHIELDED Male
Cable gland Description Contacts type Jumber of contacts Jousing colour Fechnical data Fype of termination	Circular connecto attachable TOTAL Female 4poles Black	LLY SHIELDED	Circular connecto attachable TOTAL Female 5poles Black	LY SHIELDED	PG9 standard Circular connectu attachable TOTAI Female 8poles Black	LY SHIELDED	Circular connec attachable TOTA Female 12poles Black	ALLY SHIELDED Male
Cable gland Description Contacts type Number of contacts Housing colour Fechnical data Type of termination Contact screw torque	Circular connect attachable TOTAL Female 4poles Black Screw contacts	LLY SHIELDED Male	Circular connecto attachable TOTAL Female 5poles Black Screw contacts	LY SHIELDED Male	PG9 standard Circular connectu attachable TOTAI Female 8poles Black Screw contacts	LY SHIELDED Male	Circular connec attachable TOTA Female 12poles Black Solder contacts	ALLY SHIELDED Male
Cable gland Description Contacts type Number of contacts Housing colour Technical data Type of termination Contact screw torque Housing material	Circular connect attachable TOTAL Female 4poles Black Screw contacts 0.2 N*m	LLY SHIELDED Male	Circular connecto attachable TOTAL Female 5poles Black Screw contacts 0.2 N*m	LY SHIELDED Male	PG9 standard Circular connectu attachable TOTAI Female 8poles Black Screw contacts 0.2 N*m	LLY SHIELDED Male	Circular connec attachable TOTA Female 12poles Black Solder contacts -	ALLY SHIELDED Male
Cable gland Description Contacts type Number of contacts Housing colour Technical data Type of termination Contact screw torque Housing material Contacts material Contacts material Coupling nut type	Circular connect attachable TOTAL Female 4poles Black Screw contacts 0.2 N*m Brass + Nickel pla Brass + Gold flas Knurl round	LLY SHIELDED Male	Circular connecto attachable TOTAL Female 5poles Black Screw contacts 0.2 N*m Brass + Nickel pla Brass + Gold flash Knurl round	LY SHIELDED Male ted	PG9 standard Circular connect attachable TOTAL Female 8poles Black Screw contacts 0.2 N*m Brass + Nickel pla Brass + Gold flas Knurl round	LLY SHIELDED Male	Circular connec attachable TOTA Female 12poles Black Solder contacts - Brass + Nickel p	ALLY SHIELDED Male
Cable gland Description Contacts type Number of contacts Housing colour Technical data Type of termination Contact screw torque Housing material Contacts material Coupling nut type M8 coupling nut material	Circular connect attachable TOTAL Female 4poles Black Screw contacts 0.2 N*m Brass + Nickel pla Brass + Gold flas Knurl round Brass + Nickel pla	LLY SHIELDED Male	Circular connecto attachable TOTAL Female 5poles Black Screw contacts 0.2 N*m Brass + Nickel pla Brass + Gold flash Knurl round Brass + Nickel pla	LY SHIELDED Male ted	PG9 standard Circular connect attachable TOTAL Female 8poles Black Screw contacts 0.2 N*m Brass + Nickel pla Brass + Gold flas Knurl round Brass + Nickel pla	LLY SHIELDED Male	Circular connec attachable TOTA Female 12poles Black Solder contacts - Brass + Nickel p Brass + Gold flat Knurl round Brass + Nickel p	ALLY SHIELDED Male
Cable gland Description Contacts type Number of contacts Housing colour Technical data Type of termination Contact screw torque Housing material Contacts material Coupling nut type M8 coupling nut material M8 coupling nut torque	Circular connect attachable TOTAL Female 4poles Black Screw contacts 0.2 N*m Brass + Nickel pla Brass + Gold flas Knurl round Brass + Nickel pla 0.4 N*m	LLY SHIELDED Male	Circular connecto attachable TOTAL Female 5poles Black Screw contacts 0.2 N*m Brass + Nickel pla Brass + Gold flash Knurl round Brass + Nickel pla 0.4 N*m	LY SHIELDED Male ted	PG9 standard Circular connect attachable TOTAI Female 8poles Black Screw contacts 0.2 N*m Brass + Nickel pla Brass + Gold flas Knurl round Brass + Nickel pla 0.4 N*m	LLY SHIELDED Male	Circular connec attachable TOTA Female 12poles Black Solder contacts - Brass + Nickel p Brass + Gold flas Knurl round Brass + Nickel p 0.4 N*m	ALLY SHIELDED Male
Cable gland Description Contacts type Number of contacts Housing colour Fechnical data Type of termination Contact screw torque Housing material Contacts material Coupling nut type VI8 coupling nut material VI8 coupling nut torque Rated voltage	Circular connect attachable TOTAL Female 4poles Black Screw contacts 0.2 N*m Brass + Nickel pla Brass + Gold flas Knurl round Brass + Nickel pla 0.4 N*m 250V AC/DC	LLY SHIELDED Male	Circular connecto attachable TOTAL Female 5poles Black Screw contacts 0.2 N*m Brass + Nickel pla Brass + Gold flash Knurl round Brass + Nickel pla 0.4 N*m 60V AC/DC	LY SHIELDED Male ted	PG9 standard Circular connect attachable TOTAI Female 8poles Black Screw contacts 0.2 N*m Brass + Nickel pla Brass + Gold flas Knurl round Brass + Nickel pla 0.4 N*m 30V AC/DC	LLY SHIELDED Male	Circular connec attachable TOTA Female 12poles Black Solder contacts - Brass + Nickel p Brass + Nickel p 0.4 N*m 30V AC/DC	ALLY SHIELDED Male
Cable gland Description Contacts type Number of contacts Housing colour Technical data Type of termination Contact screw torque Housing material Contacts material Coupling nut type M8 coupling nut material M8 coupling nut torque Rated voltage Rated current	Circular connect attachable TOTAL Female 4poles Black Screw contacts 0.2 N*m Brass + Nickel pla Brass + Nickel pla Brass + Nickel pla 0.4 N*m 250V AC/DC 4A	LLY SHIELDED Male	Circular connecto attachable TOTAL Female 5poles Black Screw contacts 0.2 N*m Brass + Nickel pla Brass + Nickel pla 0.4 N*m 60V AC/DC 4A	LY SHIELDED Male ted	PG9 standard Circular connectu attachable TOTAI Female 8poles Black Screw contacts 0.2 N*m Brass + Nickel pla Brass + Nickel pla 0.4 N*m 30V AC/DC 2A	LLY SHIELDED Male	Circular connec attachable TOTA Female 12poles Black Solder contacts - Brass + Nickel p Brass + Nickel p 0.4 N*m 30V AC/DC 1.5A	ALLY SHIELDED Male
Cable gland Description Contacts type Number of contacts Housing colour Technical data Type of termination Contact screw torque Housing material Contacts material Contacts material Coupling nut type M8 coupling nut material M8 coupling nut torque Rated voltage Rated current Temperature range	Circular connect attachable TOTAL Female 4poles Black Screw contacts 0.2 N*m Brass + Nickel pla Brass + Nickel pla Drass + Nickel pla 0.4 N*m 250V AC/DC 4A -25°C + 85°C	LLY SHIELDED Male	Circular connecto attachable TOTAL Female 5poles Black Screw contacts 0.2 N*m Brass + Nickel pla Brass + Nickel pla 0.4 N*m 60V AC/DC 4A -25°C + 85°C	LY SHIELDED Male ted	PG9 standard Circular connectu attachable TOTAI Female 8poles Black Screw contacts 0.2 N*m Brass + Nickel pla 0.4 N*m 30V AC/DC 2A -25°C + 85°C	LLY SHIELDED Male	Circular connec attachable TOTA Female 12poles Black Solder contacts - Brass + Nickel p Brass + Nickel p 0.4 N*m 30V AC/DC 1.5A -25°C + 85°C	ALLY SHIELDED Male
Cable gland Description Contacts type Vumber of contacts Housing colour Fechnical data Type of termination Contact screw torque Housing material Contacts material Coupling nut type M8 coupling nut material M8 coupling nut torque Rated voltage Rated current Temperature range D-ring material	Circular connect attachable TOTAL Female 4poles Black Screw contacts 0.2 N*m Brass + Nickel pla Brass + Nickel pla Drass + Nickel pla 0.4 N*m 250V AC/DC 4A -25°C + 85°C NBR	LLY SHIELDED Male	Circular connecto attachable TOTAL Female 5poles Black Screw contacts 0.2 N*m Brass + Nickel pla Brass + Gold flash Knurl round Brass + Nickel pla 0.4 N*m 60V AC/DC 4A -25°C + 85°C NBR	LY SHIELDED Male ted	PG9 standard Circular connectu attachable TOTAI Female 8poles Black Screw contacts 0.2 N*m Brass + Nickel pla 0.4 N*m 30V AC/DC 2A -25°C + 85°C NBR	LLY SHIELDED Male	Circular connec attachable TOTA Female 12poles Black Solder contacts - Brass + Nickel p Brass + Gold flat Knurl round Brass + Nickel p 0.4 N*m 30V AC/DC 1.5A -25°C + 85°C NBR	ALLY SHIELDED Male
Housing type Cable gland Description Contacts type Number of contacts Housing colour Technical data Type of termination Contact screw torque Housing material Contacts material Contacts material Coupling nut type M8 coupling nut material M8 coupling nut torque Rated voltage Rated current Temperature range O-ring material Suitable cable	Circular connect attachable TOTAL Female 4poles Black Screw contacts 0.2 N*m Brass + Nickel pla Brass + Nickel pla Drass + Nickel pla 0.4 N*m 250V AC/DC 4A -25°C + 85°C	LLY SHIELDED Male	Circular connecto attachable TOTAL Female 5poles Black Screw contacts 0.2 N*m Brass + Nickel pla Brass + Nickel pla 0.4 N*m 60V AC/DC 4A -25°C + 85°C	LY SHIELDED Male ted	PG9 standard Circular connectu attachable TOTAI Female 8poles Black Screw contacts 0.2 N*m Brass + Nickel pla 0.4 N*m 30V AC/DC 2A -25°C + 85°C	LLY SHIELDED Male	Circular connec attachable TOTA Female 12poles Black Solder contacts - Brass + Nickel p Brass + Nickel p 0.4 N*m 30V AC/DC 1.5A -25°C + 85°C	ALLY SHIELDED Male
Cable gland Description Contacts type Number of contacts Housing colour Technical data Type of termination Contact screw torque Housing material Contacts material Coupling nut type M8 coupling nut material M8 coupling nut torque Rated voltage Rated current Temperature range O-ring material Suitable cable	Circular connect attachable TOTAL Female 4poles Black Screw contacts 0.2 N*m Brass + Nickel pla Brass + Nickel pla Drass + Nickel pla 0.4 N*m 250V AC/DC 4A -25°C + 85°C NBR	LLY SHIELDED Male	Circular connecto attachable TOTAL Female 5poles Black Screw contacts 0.2 N*m Brass + Nickel pla Brass + Gold flash Knurl round Brass + Nickel pla 0.4 N*m 60V AC/DC 4A -25°C + 85°C NBR	LY SHIELDED Male ted	PG9 standard Circular connectu attachable TOTAI Female 8poles Black Screw contacts 0.2 N*m Brass + Nickel pla 0.4 N*m 30V AC/DC 2A -25°C + 85°C NBR	LLY SHIELDED Male	Circular connec attachable TOTA Female 12poles Black Solder contacts - Brass + Nickel p Brass + Gold flat Knurl round Brass + Nickel p 0.4 N*m 30V AC/DC 1.5A -25°C + 85°C NBR	ALLY SHIELDED Male
Cable gland Description Contacts type Number of contacts Housing colour Technical data Type of termination Contact screw torque Housing material Contacts material Coupling nut type M8 coupling nut material M8 coupling nut torque Rated voltage Rated current Temperature range O-ring material Suitable cable Packaging	Circular connect attachable TOTAL Female 4poles Black Screw contacts 0.2 N*m Brass + Nickel pla Brass + Nickel pla Drass + Nickel pla 0.4 N*m 250V AC/DC 4A -25°C + 85°C NBR	LLY SHIELDED Male	Circular connecto attachable TOTAL Female 5poles Black Screw contacts 0.2 N*m Brass + Nickel pla Brass + Gold flash Knurl round Brass + Nickel pla 0.4 N*m 60V AC/DC 4A -25°C + 85°C NBR	LY SHIELDED Male ted	PG9 standard Circular connectu attachable TOTAI Female 8poles Black Screw contacts 0.2 N*m Brass + Nickel pla 0.4 N*m 30V AC/DC 2A -25°C + 85°C NBR	LLY SHIELDED Male	Circular connec attachable TOTA Female 12poles Black Solder contacts - Brass + Nickel p Brass + Gold flat Knurl round Brass + Nickel p 0.4 N*m 30V AC/DC 1.5A -25°C + 85°C NBR	ALLY SHIELDED Male
Cable gland Description Contacts type Number of contacts Housing colour Technical data Type of termination Contact screw torque Housing material Contacts material Coupling nut type M8 coupling nut material M8 coupling nut torque Rated voltage Rated current Temperature range O-ring material	Circular connecta attachable TOTAL Female 4poles Black Screw contacts 0.2 N*m Brass + Nickel pla Brass + Nickel pla Brass + Nickel pla 0.4 N*m 250V AC/DC 4A -25°C + 85°C NBR Ø 4 - 8mm	LLY SHIELDED Male	Circular connecto attachable TOTAL Female 5poles Black Screw contacts 0.2 N*m Brass + Nickel pla Brass + Gold flash Knurl round Brass + Nickel pla 0.4 N*m 60V AC/DC 4A -25°C + 85°C NBR Ø 4 - 8mm	LY SHIELDED Male ted	PG9 standard Circular connect attachable TOTAL Female 8poles Black Screw contacts 0.2 N*m Brass + Nickel pla Brass + Gold flas Knurl round Brass + Nickel pla 0.4 N*m 30V AC/DC 2A -25°C + 85°C NBR Ø 4 - 8mm	LLY SHIELDED Male	Circular connec attachable TOTA Female 12poles Black Solder contacts - Brass + Nickel p Brass + Nickel p Brass + Nickel p 0.4 N*m 30V AC/DC 1.5A -25°C + 85°C NBR Ø 4 - 8mm	ALLY SHIELDED Male

See the general features and codification scheme page



A-coded - Field attachable connectors



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A-coded - Field attachable connectors



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Technical drawing	— 1	– 1	– 1	— 1 3 2	
			2 8 4 5 6 7 6 7 6 7 7 7 8 7 7 7 7 7 8 7 7 7 7 7 7 7 7 7 7 7 7 7	$\begin{array}{c} \bullet & \bullet & \bullet \\ \bullet & \bullet & \bullet \\ \bullet & \bullet & \bullet \\ \bullet & \bullet &$	
Product description					
Connector type	Circular connector field attachable	Circular connector field attachable	Circular connector field attachable	Circular connector field attachable	
Conforms to	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101	
Construction type	M12 A-Coded	M12 A-Coded	M12 A-Coded	M12 A-Coded	
Part number	12MC4000-ATEX 12MB4000-ATE	X 12MC5000-ATEX 12MB5000-ATEX	X 12MC8000-ATEX 12MB8000-ATE	X 12MC12000-ATEX12MB12000-AT	
Housing type	Straight 180° Angled 90°	Straight 180° Angled 90°	Straight 180° Angled 90°	Straight 180° Angled 90°	
Cable gland	PG7 standard	PG7 standard	PG7 standard	PG7 standard	
Description	Circular connector M12 series field attachable,ATEX conform.	Circular connector M12 series field attachable,ATEX conform.	Circular connector M12 series field attachable,ATEX conform.	Circular connector M12 series field attachable,ATEX conform.	
Contacts type	Male	Male	Male	Male	
Number of contacts	4poles	5poles	8poles	12poles	
Housing colour	Black	Black		Black	
Fechnical data		DIAUK	Black	Black	
i ecnnical data		DIALK	Ыаск	Black	
Type of termination	Screw contacts	Screw contacts	Screw contacts	Black Solder contacts	
Type of termination	Screw contacts 0.2 N*m				
Type of termination Contact screw torque		Screw contacts	Screw contacts		
Type of termination Contact screw torque Housing material	0.2 N*m	Screw contacts 0.2 N*m	Screw contacts 0.2 N*m	Solder contacts	
Type of termination Contact screw torque Housing material	0.2 N*m PA66 UL94-V0	Screw contacts 0.2 N*m PA66 UL94-V0	Screw contacts 0.2 N*m PA66 UL94-V0	Solder contacts - PA66 UL94-V0	
Type of termination Contact screw torque Housing material Contacts material Coupling nut type	0.2 N*m PA66 UL94-V0 Brass + Gold flash	Screw contacts 0.2 N*m PA66 UL94-V0 Brass + Gold flash	Screw contacts 0.2 N*m PA66 UL94-V0 Brass+Gold flash	Solder contacts - PA66 UL94-V0 Brass + Gold flash	
Type of termination Contact screw torque Housing material Contacts material Coupling nut type M12 coupling nut material	0.2 N*m PA66 UL94-V0 Brass + Gold flash Hexagonal (SW17)	Screw contacts 0.2 N*m PA66 UL94-V0 Brass + Gold flash Hexagonal (SW17)	Screw contacts 0.2 N*m PA66 UL94-V0 Brass + Gold flash Hexagonal (SW17)	Solder contacts - PA66 UL94-V0 Brass + Gold flash Hexagonal (SW17)	
Type of termination Contact screw torque Housing material Contacts material Coupling nut type M12 coupling nut material M12 coupling nut torque	0.2 N*m PA66 UL94-V0 Brass + Gold flash Hexagonal (SW17) Brass + Nickel plated	Screw contacts 0.2 N*m PA66 UL94-V0 Brass + Gold flash Hexagonal (SW17) Brass + Nickel plated	Screw contacts 0.2 N*m PA66 UL94-V0 Brass + Gold flash Hexagonal (SW17) Brass + Nickel plated	Solder contacts - PA66 UL94-V0 Brass + Gold flash Hexagonal (SW17) Brass + Nickel plated	
Type of termination Contact screw torque Housing material Contacts material Coupling nut type M12 coupling nut material M12 coupling nut torque Rated voltage Rated current	0.2 N*m PA66 UL94-V0 Brass + Gold flash Hexagonal (SW17) Brass + Nickel plated 0.6 N*m	Screw contacts 0.2 N*m PA66 UL94-V0 Brass + Gold flash Hexagonal (SW17) Brass + Nickel plated 0.6 N*m	Screw contacts 0.2 N*m PA66 UL94-V0 Brass + Gold flash Hexagonal (SW17) Brass + Nickel plated 0.6 N*m	Solder contacts - PA66 UL94-V0 Brass + Gold flash Hexagonal (SW17) Brass + Nickel plated 0.6 N*m	
Type of termination Contact screw torque Housing material Contacts material Coupling nut type M12 coupling nut material M12 coupling nut torque Rated voltage Rated current	0.2 N*m PA66 UL94-V0 Brass + Gold flash Hexagonal (SW17) Brass + Nickel plated 0.6 N*m 250V AC/DC	Screw contacts 0.2 N*m PA66 UL94-V0 Brass + Gold flash Hexagonal (SW17) Brass + Nickel plated 0.6 N*m 125V AC/DC	Screw contacts 0.2 N*m PA66 UL94-V0 Brass + Gold flash Hexagonal (SW17) Brass + Nickel plated 0.6 N*m 60V AC/DC	Solder contacts - PA66 UL94-V0 Brass + Gold flash Hexagonal (SW17) Brass + Nickel plated 0.6 N*m 30V AC/DC	
Type of termination Contact screw torque Housing material Contacts material Coupling nut type M12 coupling nut material M12 coupling nut torque Rated voltage Rated current Temperature range	0.2 N*m PA66 UL94-V0 Brass + Gold flash Hexagonal (SW17) Brass + Nickel plated 0.6 N*m 250V AC/DC 4A -20°C + 85°C NBR	Screw contacts 0.2 N*m PA66 UL94-V0 Brass + Gold flash Hexagonal (SW17) Brass + Nickel plated 0.6 N*m 125V AC/DC 4A	Screw contacts 0.2 N*m PA66 UL94-V0 Brass + Gold flash Hexagonal (SW17) Brass + Nickel plated 0.6 N*m 60V AC/DC 2A -20°C + 85°C NBR	Solder contacts - PA66 UL94-V0 Brass + Gold flash Hexagonal (SW17) Brass + Nickel plated 0.6 N*m 30V AC/DC 1A -20°C +85°C NBR	
Type of termination Contact screw torque Housing material Contacts material Coupling nut type M12 coupling nut material M12 coupling nut torque Rated voltage	0.2 N*m PA66 UL94-V0 Brass + Gold flash Hexagonal (SW17) Brass + Nickel plated 0.6 N*m 250V AC/DC 4A -20°C + 85°C	Screw contacts0.2 N*mPA66 UL94-V0Brass + Gold flashHexagonal (SW17)Brass + Nickel plated0.6 N*m125V AC/DC4A-20°C + 85°C	Screw contacts 0.2 N*m PA66 UL94-V0 Brass + Gold flash Hexagonal (SW17) Brass + Nickel plated 0.6 N*m 60V AC/DC 2A -20°C +85°C	Solder contacts - PA66 UL94-V0 Brass + Gold flash Hexagonal (SW17) Brass + Nickel plated 0.6 N*m 30V AC/DC 1A -20°C +85°C	
Type of termination Contact screw torque Housing material Contacts material Coupling nut type M12 coupling nut material M12 coupling nut torque Rated voltage Rated voltage Rated current Temperature range O-ring material Suitable cable	0.2 N*m PA66 UL94-V0 Brass + Gold flash Hexagonal (SW17) Brass + Nickel plated 0.6 N*m 250V AC/DC 4A -20°C + 85°C NBR	Screw contacts 0.2 N*m PA66 UL94-V0 Brass + Gold flash Hexagonal (SW17) Brass + Nickel plated 0.6 N*m 125V AC/DC 4A -20°C + 85°C NBR	Screw contacts 0.2 N*m PA66 UL94-V0 Brass + Gold flash Hexagonal (SW17) Brass + Nickel plated 0.6 N*m 60V AC/DC 2A -20°C + 85°C NBR	Solder contacts - PA66 UL94-V0 Brass + Gold flash Hexagonal (SW17) Brass + Nickel plated 0.6 N*m 30V AC/DC 1A -20°C +85°C NBR	
Type of termination Contact screw torque Housing material Contacts material Coupling nut type M12 coupling nut material M12 coupling nut torque Rated voltage Rated current Temperature range O-ring material Suitable cable Packaging	0.2 N*m PA66 UL94-V0 Brass + Gold flash Hexagonal (SW17) Brass + Nickel plated 0.6 N*m 250V AC/DC 4A -20°C +85°C NBR Ø 4 - 6mm	Screw contacts0.2 N*mPA66 UL94-V0Brass + Gold flashHexagonal (SW17)Brass + Nickel plated0.6 N*m125V AC/DC4A-20°C + 85°CNBRØ 4 - 6mm	Screw contacts 0.2 N*m PA66 UL94-V0 Brass + Gold flash Hexagonal (SW17) Brass + Nickel plated 0.6 N*m 60V AC/DC 2A -20°C + 85°C NBR	Solder contacts - PA66 UL94-V0 Brass + Gold flash Hexagonal (SW17) Brass + Nickel plated 0.6 N*m 30V AC/DC 1A -20°C +85°C NBR	
Type of termination Contact screw torque Housing material Contacts material Coupling nut type M12 coupling nut material M12 coupling nut torque Rated voltage Rated current Temperature range O-ring material Suitable cable Packaging Qty/Bag	0.2 N*m PA66 UL94-V0 Brass + Gold flash Hexagonal (SW17) Brass + Nickel plated 0.6 N*m 250V AC/DC 4A -20°C + 85°C NBR	Screw contacts 0.2 N*m PA66 UL94-V0 Brass + Gold flash Hexagonal (SW17) Brass + Nickel plated 0.6 N*m 125V AC/DC 4A -20°C + 85°C NBR	Screw contacts 0.2 N*m PA66 UL94-V0 Brass + Gold flash Hexagonal (SW17) Brass + Nickel plated 0.6 N*m 60V AC/DC 2A -20°C + 85°C NBR Ø 4 - 6mm	Solder contacts - PA66 UL94-V0 Brass + Gold flash Hexagonal (SW17) Brass + Nickel plated 0.6 N*m 30V AC/DC 1A -20°C +85°C NBR Ø 4 - 6mm	
Type of termination Contact screw torque Housing material Contacts material Coupling nut type M12 coupling nut material M12 coupling nut torque Rated voltage Rated current Temperature range O-ring material Suitable cable Packaging	0.2 N*m PA66 UL94-V0 Brass + Gold flash Hexagonal (SW17) Brass + Nickel plated 0.6 N*m 250V AC/DC 4A -20°C +85°C NBR Ø 4 - 6mm	Screw contacts0.2 N*mPA66 UL94-V0Brass + Gold flashHexagonal (SW17)Brass + Nickel plated0.6 N*m125V AC/DC4A-20°C + 85°CNBRØ 4 - 6mm	Screw contacts 0.2 N*m PA66 UL94-V0 Brass + Gold flash Hexagonal (SW17) Brass + Nickel plated 0.6 N*m 60V AC/DC 2A -20°C + 85°C NBR Ø 4 - 6mm	Solder contacts - PA66 UL94-V0 Brass + Gold flash Hexagonal (SW17) Brass + Nickel plated 0.6 N*m 30V AC/DC 1A -20°C +85°C NBR Ø 4 - 6mm	



A-coded - Field attachable connectors

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			5-4-5-4-5-3	5 3 5 3 5 5 4		3 3		
Product description	1							
Connector type	Circular connecto	r field attachable	Circular connect	or field attachable	Circular connecto	or field attachable	Circular connecto	or field attachable
Conforms to	IEC 61076-2-101		IEC 61076-2-10 ⁻		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 A-Coded		M12 A-Coded		M12 A-Coded		M12 A-Coded	
Part number		12M14000-ATEX		12M15000-ATEX		12M18000-ATEX		12M112000-A1
Housing type	Straight 180°		Straight 180°		Straight 180°		Straight 180°	
Cable gland	PG9 standard	1110	PG9 standard		PG9 standard		PG9 standard	
Description	Circular connecto attachable TOTAL ATEX conform.		attachable TOTA ATEX conform.	or M12 series field LLY SHIELDED,	attachable TOTAL ATEX conform.	or M12 series field LLY SHIELDED,	Circular connecto attachable TOTAL ATEX conform.	
Contacts type	Female	Male	Female	Male	Female	Male	Female	Male
Number of contacts	4poles		5poles		8poles		12poles	
lousing colour	Metal		Metal		Metal		Metal	
'echnical data								
ype of termination	Screw contacts		Screw contacts		Screw contacts		Solder contacts	
Contact screw torque	0.2 N*m		0.2 N*m		0.2 N*m		-	
lousing material	Brass+Nickel pla		Brass+Nickel pla		Brass+Nickel pla		Brass+Nickel pla	
Contacts material	Brass+Gold flash		Brass+Gold flas		Brass+Gold flas		Brass+Gold flas	
Coupling nut type	Hexagonal (SW17		Hexagonal (SW1		Hexagonal (SW1		Hexagonal (SW1)	
M12 coupling nut material	Brass+Nickel pla	ted	Brass+Nickel pla	ated	Brass+Nickel pla	ated	Brass+Nickel pla	ited
W12 coupling nut torque	0.6 N*m		0.6 N*m		0.6 N*m		0.6 N*m	
Rated voltage	250V AC/DC		125V AC/DC		60V AC/DC		30V AC/DC	
Rated current	4A		4A		2A		1A	
Temperature range	-20°C +85°C NBR		-20°C +85°C NBR		-20°C +85°C NBR		-20°C +85°C NBR	
			ø 4 - 8mm		ø 4 - 8mm		ø 4 - 8mm	
D-ring material	ø 4 - 8mm						~	
D-ring material	ø 4 - 8mm							
D-ring material Suitable cable	ø 4 - 8mm							
D-ring material Suitable cable Packaging			1 pc / bao		1 pc / bag		1 pc / bag	
O-ring material Suitable cable Packaging Qty/Bag	ø 4 - 8mm 1 pc / bag		1 pc / bag		1 pc / bag		1 pc / bag	
D-ring material Suitable cable Packaging			1 pc / bag		1 pc / bag		1 pc / bag	

B-coded - Field attachable connectors



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Technical drawing							
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∞C5		5	BUS PCII				
Product description						4	
Connector type	Circular connecto	r field attachable	Circular connecto	or field attachable	Circular connecto	or field attachable	Circular connector field attachable
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101
Construction type	M12 B-Coded		M12 B-Coded		M12 B-Coded		M12 B-Coded
Part number	B-12FC5000	B-12FB5000	B-12FL5000	B-12FU5000		(B-12FB5000-SK	
Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°
Cable gland	PG7 standard	0	PG9-11 unified /		SK model	0	PG9 standard
Description	Circular connecto B-coded,field atta		Circular connector B-coded,field atta		Circular connector B-coded,field atta		Circular connector M12 series B-coded, field attachable
Contacts type	Female		Female		Female		Female
Number of contacts	5poles		5poles		5poles		5poles
Housing colour	Black		Black		Black		Metal
Technical data					1		
Type of termination	Screw contacts		Screw contacts		Screw contacts		Screw contacts
Contact screw torque	0.2 N*m		0.2 N*m		0.2 N*m		0.2 N*m
Housing material	PA66 UL94-V2		PA66 UL94-V2		PA66 UL94-V2		Brass+Nickel plated
Contacts material	Brass+Gold flash	l	Brass+Gold flas	1	Brass+Gold flash	1	Brass+Gold flash
Coupling nut type	Knurl round		Knurl round		Knurl round		Knurl round
M12 coupling nut material	Brass+Nickel pla	ted	Brass+Nickel pla	ted	Brass+Nickel pla	ated	Brass+Nickel plated
M12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m		0.4 N*m
Rated voltage	60V AC/DC		60V AC/DC		60V AC/DC		60V AC/DC
Rated current	4A		4A		4A		4A
Temperature range	-40°C +90°C		-40°C +90°C		-40°C +90°C		-25°C +85°C
O-ring material	NBR		NBR		NBR		NBR
Suitable cable	ø 4 - 6mm		ø cable 6-10mm Double exit ø5mn	n(max.)	ø 4 - 8.6mm		ø 4 - 8mm
Packaging	1 pc / bag		1 pc / hag		1 pc / bag		1 pc / bag
Packaging Qty/Bag Other accessories options	1 pc / bag		1 pc / bag		1 pc / bag		1 pc / bag

See the cables list section



B-coded - Field attachable connectors

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Technical drawing □ 1 □ 2 □ 3 □ 4		-52				-39.5	, 217
			802 PGN				
Product description							
Connector type	Circular connecto	or field attachable	Circular connecto	or field attachable	Circular connecto	r field attachable	Circular connector field attach
			150 01070 0 101		150 01070 0 101		
Conforms to	IEC 61076-2-101	1	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101
	IEC 61076-2-101 M12 B-Coded	1	M12 B-Coded		M12 B-Coded		IEC 61076-2-101 M12 B-Coded
Construction type	M12 B-Coded B-12MC5000	B-12MB5000	M12 B-Coded B-12ML5000	B-12MU5000	M12 B-Coded	B-12MB5000-SK	M12 B-Coded
Construction type Part number	M12 B-Coded		M12 B-Coded		M12 B-Coded	B-12MB5000-SK Angled 90°	M12 B-Coded
Construction type Part number Housing type	M12 B-Coded B-12MC5000 Straight 180° PG7 standard	B-12MB5000 Angled 90°	M12 B-Coded B-12ML5000	B-12MU5000 Angled 90°	M12 B-Coded B-12MC5000-SK Straight 180° SK model	Angled 90°	M12 B-Coded B-12M15000 Straight 180° PG9 standard
Construction type Part number Housing type Cable gland	M12 B-Coded B-12MC5000 Straight 180°	B-12MB5000 Angled 90°	M12 B-Coded B-12ML5000 Straight 180°	B-12MU5000 Angled 90° Double cable exit or M12 series	M12 B-Coded B-12MC5000-SK Straight 180°	Angled 90° r M12 series	M12 B-Coded B-12M15000 Straight 180°
Construction type Part number Housing type Cable gland Description	M12 B-Coded B-12MC5000 Straight 180° PG7 standard Circular connected	B-12MB5000 Angled 90°	M12 B-Coded B-12ML5000 Straight 180° PG9-11 unified /I Circular connecto	B-12MU5000 Angled 90° Double cable exit or M12 series	M12 B-Coded B-12MC5000-SK Straight 180° SK model Circular connecto	Angled 90° r M12 series	M12 B-Coded B-12M15000 Straight 180° PG9 standard Circular connector M12 series
Construction type Part number Housing type Cable gland Description Contacts type	M12 B-Coded B-12MC5000 Straight 180° PG7 standard Circular connect B-coded, field atta	B-12MB5000 Angled 90°	M12 B-Coded B-12ML5000 Straight 180° PG9-11 unified // Circular connector B-coded,field atta	B-12MU5000 Angled 90° Double cable exit or M12 series	M12 B-Coded B-12MC5000-SK Straight 180° SK model Circular connecto B-coded,field atta	Angled 90° r M12 series	M12 B-Coded B-12M15000 Straight 180° PG9 standard Circular connector M12 series B-coded, field attachable
Construction type Part number Housing type Cable gland Description Contacts type Number of contacts	M12 B-Coded B-12MC5000 Straight 180° PG7 standard Circular connecter B-coded,field atta Male	B-12MB5000 Angled 90°	M12 B-Coded B-12ML5000 Straight 180° PG9-11 unified // Circular connecte B-coded,field atta Male	B-12MU5000 Angled 90° Double cable exit or M12 series	M12 B-Coded B-12MC5000-SK Straight 180° SK model Circular connecto B-coded,field atta Male	Angled 90° r M12 series	M12 B-Coded B-12M15000 Straight 180° PG9 standard Circular connector M12 series B-coded, field attachable Male
Construction type Part number Housing type Cable gland Description Contacts type Number of contacts Housing colour	M12 B-Coded B-12MC5000 Straight 180° PG7 standard Circular connecte B-coded,field atta Male 5poles	B-12MB5000 Angled 90°	M12 B-Coded B-12ML5000 Straight 180° PG9-11 unified // Circular connecte B-coded,field atta Male Spoles	B-12MU5000 Angled 90° Double cable exit or M12 series	M12 B-Coded B-12MC5000-SK Straight 180° SK model Circular connecto B-coded,field attat Male 5poles	Angled 90° r M12 series	M12 B-Coded B-12M15000 Straight 180° PG9 standard Circular connector M12 series B-coded, field attachable Male 5poles
Construction type Part number Housing type Cable gland Description Contacts type Number of contacts Housing colour echnical data	M12 B-Coded B-12MC5000 Straight 180° PG7 standard Circular connecte B-coded,field atta Male 5poles	B-12MB5000 Angled 90°	M12 B-Coded B-12ML5000 Straight 180° PG9-11 unified // Circular connecte B-coded,field atta Male Spoles	B-12MU5000 Angled 90° Double cable exit or M12 series	M12 B-Coded B-12MC5000-SK Straight 180° SK model Circular connecto B-coded,field attat Male 5poles	Angled 90° r M12 series	M12 B-Coded B-12M15000 Straight 180° PG9 standard Circular connector M12 series B-coded, field attachable Male 5poles
Construction type Part number Housing type Cable gland Description Contacts type Number of contacts Housing colour echnical data Type of termination	M12 B-Coded B-12MC5000 Straight 180° PG7 standard Circular connecte B-coded,field atta Male Spoles Black	B-12MB5000 Angled 90°	M12 B-Coded B-12ML5000 Straight 180° PG9-11 unified // Circular connecto B-coded,field atta Male 5poles Black	B-12MU5000 Angled 90° Double cable exit or M12 series	M12 B-Coded B-12MC5000-SK Straight 180° SK model Circular connecto B-coded,field atta Male 5poles Black	Angled 90° r M12 series	M12 B-Coded B-12M15000 Straight 180° PG9 standard Circular connector M12 series B-coded, field attachable Male 5poles Metal
Construction type Part number Housing type Cable gland Description Contacts type Number of contacts Housing colour rechnical data Type of termination Contact screw torque	M12 B-Coded B-12MC5000 Straight 180° PG7 standard Circular connecte B-coded,field atta Male Spoles Black Screw contacts	B-12MB5000 Angled 90°	M12 B-Coded B-12ML5000 Straight 180° PG9-11 unified // Circular connecto B-coded,field atta Male 5poles Black Screw contacts	B-12MU5000 Angled 90° Double cable exit or M12 series	M12 B-Coded B-12MC5000-SK Straight 180° SK model Circular connecto B-coded, field atta Male 5poles Black Screw contacts	Angled 90° r M12 series	M12 B-Coded B-12M15000 Straight 180° PG9 standard Circular connector M12 series B-coded, field attachable Male 5poles Metal Screw contacts 0.2 N*m Brass + Nickel plated
Construction type Part number Housing type Cable gland Description Contacts type Number of contacts Housing colour echnical data Type of termination Contact screw torque Housing material Contacts material	M12 B-Coded B-12MC5000 Straight 180° PG7 standard Circular connect B-coded, field atta Male 5poles Black Screw contacts 0.2 N*m PA66 UL94-V2 Brass+Gold flast	B-12MB5000 Angled 90° or M12 series achable	M12 B-Coded B-12ML5000 Straight 180° PG9-11 unified // Circular connect B-coded, field atta Male 5poles Black Screw contacts 0.2 N*m PA66 UL94-V2 Brass+Gold flast	B-12MU5000 Angled 90° Double cable exit or M12 series achable	M12 B-Coded B-12MC5000-SK Straight 180° SK model Circular connecto B-coded,field atta Male 5poles Black Screw contacts 0.2 N*m PA66 UL94-V2 Brass+Gold flash	Angled 90° r M12 series chable	M12 B-Coded B-12M15000 Straight 180° PG9 standard Circular connector M12 series B-coded, field attachable Male 5poles Metal Screw contacts 0.2 N*m Brass + Nickel plated Brass + Gold flash
Construction type Part number Housing type Cable gland Description Contacts type Number of contacts Housing colour echnical data Type of termination Contact screw torque Housing material Contacts material Coupling nut type	M12 B-Coded B-12MC5000 Straight 180° PG7 standard Circular connect B-coded, field atta Male 5poles Black Screw contacts 0.2 N*m PA66 UL94-V2 Brass + Gold flast Knurl round	h	M12 B-Coded B-12ML5000 Straight 180° PG9-11 unified // Circular connect B-coded, field atta Male 5poles Black Screw contacts 0.2 N*m PA66 UL94-V2 Brass + Gold flast Knurl round	B-12MU5000 Angled 90° Double cable exit or M12 series achable	M12 B-Coded B-12MC5000-SK Straight 180° SK model Circular connecto B-coded,field atta Male 5poles Black Screw contacts 0.2 N*m PA66 UL94-V2 Brass + Gold flash Knurl round	Angled 90° r M12 series chable	M12 B-Coded B-12M15000 Straight 180° PG9 standard Circular connector M12 series B-coded, field attachable Male 5poles Metal Screw contacts 0.2 N*m Brass + Nickel plated Brass + Gold flash Knurl round
Construction type Part number Housing type Cable gland Description Contacts type Number of contacts Housing colour Cechnical data Type of termination Contact screw torque Housing material Contacts material Coupling nut type M12 coupling nut material	M12 B-Coded B-12MC5000 Straight 180° PG7 standard Circular connect B-coded, field atta Male 5poles Black Screw contacts 0.2 N*m PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla	h	M12 B-Coded B-12ML5000 Straight 180° PG9-11 unified // Circular connecte B-coded, field atta Male 5poles Black Screw contacts 0.2 N*m PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla	B-12MU5000 Angled 90° Double cable exit or M12 series achable	M12 B-Coded B-12MC5000-SK Straight 180° SK model Circular connecto B-coded,field atta Male 5poles Black Screw contacts 0.2 N*m PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel plat	Angled 90° r M12 series chable	M12 B-Coded B-12M15000 Straight 180° PG9 standard Circular connector M12 series B-coded, field attachable Male 5poles Metal Screw contacts 0.2 N*m Brass + Nickel plated Brass + Gold flash Knurl round Brass + Nickel plated
Construction type Part number Housing type Cable gland Description Contacts type Number of contacts Housing colour Cechnical data Type of termination Contact screw torque Housing material Contacts material Coupling nut type M12 coupling nut torque	M12 B-Coded B-12MC5000 Straight 180° PG7 standard Circular connect B-coded, field atta Male 5poles Black Screw contacts 0.2 N*m PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.4 N*m	h	M12 B-Coded B-12ML5000 Straight 180° PG9-11 unified // Circular connecte B-coded,field atta Male 5poles Black Screw contacts 0.2 N*m PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.4 N*m	B-12MU5000 Angled 90° Double cable exit or M12 series achable	M12 B-Coded B-12MC5000-SK Straight 180° SK model Circular connecto B-coded,field atta Male 5poles Black Screw contacts 0.2 N*m PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel plat 0.4 N*m	Angled 90° r M12 series chable	M12 B-Coded B-12M15000 Straight 180° PG9 standard Circular connector M12 series B-coded, field attachable Male 5poles Metal Screw contacts 0.2 N*m Brass + Nickel plated Brass + Gold flash Knurl round Brass + Nickel plated 0.4 N*m
Construction type Part number Housing type Cable gland Description Contacts type Number of contacts Housing colour 'echnical data Type of termination Contact screw torque Housing material Contacts material Coupling nut type M12 coupling nut material M12 coupling nut torque Rated voltage	M12 B-Coded B-12MC5000 Straight 180° PG7 standard Circular connecte B-coded, field atta Male 5poles Black Screw contacts 0.2 N*m PA66 UL94-V2 Brass + Gold flasl Knurl round Brass + Nickel pla 0.4 N*m 60V AC/DC	h	M12 B-Coded B-12ML5000 Straight 180° PG9-11 unified // Circular connecte B-coded,field atta Male 5poles Black Screw contacts 0.2 N*m PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel pla 0.4 N*m 60V AC/DC	B-12MU5000 Angled 90° Double cable exit or M12 series achable	M12 B-Coded B-12MC5000-SK Straight 180° SK model Circular connecto B-coded,field atta Male 5poles Black Screw contacts 0.2 N*m PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel plat 0.4 N*m 60V AC/DC	Angled 90° r M12 series chable	M12 B-Coded B-12M15000 Straight 180° PG9 standard Circular connector M12 series B-coded, field attachable Male 5poles Metal Screw contacts 0.2 N*m Brass + Nickel plated Brass + Cold flash Knurl round Brass + Nickel plated 0.4 N*m 60V AC/DC
Construction type Part number Housing type Cable gland Description Contacts type Number of contacts Housing colour Fechnical data Type of termination Contact screw torque Housing material Contacts material Coupling nut type M12 coupling nut torque Rated voltage Rated current	M12 B-Coded B-12MC5000 Straight 180° PG7 standard Circular connects B-coded, field atta Male 5poles Black Screw contacts 0.2 N*m PA66 UL94-V2 Brass + Gold flasl Knurl round Brass + Nickel pla 0.4 N*m 60V AC/DC 4A	h	M12 B-Coded B-12ML5000 Straight 180° PG9-11 unified // Circular connecte B-coded,field atta Male 5poles Black Screw contacts 0.2 N*m PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel pla 0.4 N*m 60V AC/DC 4A	B-12MU5000 Angled 90° Double cable exit or M12 series achable	M12 B-Coded B-12MC5000-SK Straight 180° SK model Circular connecto B-coded,field atta Male 5poles Black Screw contacts 0.2 N*m PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel plat 0.4 N*m 60V AC/DC 4A	Angled 90° r M12 series chable	M12 B-Coded B-12M15000 Straight 180° PG9 standard Circular connector M12 series B-coded, field attachable Male 5poles Metal Screw contacts 0.2 N*m Brass + Nickel plated Brass + Nickel plated Brass + Nickel plated 0.4 N*m 60V AC/DC 4A
Construction type Part number Housing type Cable gland Description Contacts type Number of contacts Housing colour rechnical data Type of termination Contact screw torque Housing material Contacts material Coupling nut type M12 coupling nut torque Rated voltage Rated current Temperature range	M12 B-Coded B-12MC5000 Straight 180° PG7 standard Circular connects B-coded, field atta Male 5poles Black Screw contacts 0.2 N*m PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.4 N*m 60V AC/DC 4A -40°C + 90°C	h	M12 B-Coded B-12ML5000 Straight 180° PG9-11 unified // Circular connecte B-coded, field atta Male 5poles Black Screw contacts 0.2 N*m PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.4 N*m 60V AC/DC 4A -40°C + 90°C	B-12MU5000 Angled 90° Double cable exit or M12 series achable	M12 B-Coded B-12MC5000-SK Straight 180° SK model Circular connecto B-coded,field atta Male 5poles Black Screw contacts 0.2 N*m PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel plat 0.4 N*m 60V AC/DC 4A -40°C +90°C	Angled 90° r M12 series chable	M12 B-Coded B-12M15000 Straight 180° PG9 standard Circular connector M12 series B-coded, field attachable Male 5poles Metal Screw contacts 0.2 N*m Brass + Nickel plated Brass + Gold flash Knurl round Brass + Nickel plated 0.4 N*m 60V AC/DC 4A -25°C + 85°C
Construction type Part number Housing type Cable gland Description Contacts type Number of contacts Housing colour Fechnical data Type of termination Contacts material Contacts material Contacts material Coupling nut type M12 coupling nut torque Rated voltage Rated current Temperature range O-ring material	M12 B-Coded B-12MC5000 Straight 180° PG7 standard Circular connecter B-coded, field atta Male 5poles Black Screw contacts 0.2 N*m PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel plat 0.4 N*m 60V AC/DC 4A -40°C + 90°C NBR	h	M12 B-Coded B-12ML5000 Straight 180° PG9-11 unified // Circular connecte B-coded,field atta Male 5poles Black Screw contacts 0.2 N*m PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.4 N*m 60V AC/DC 4A -40°C + 90°C NBR	B-12MU5000 Angled 90° Double cable exit or M12 series achable	M12 B-Coded B-12MC5000-SK Straight 180° SK model Circular connecto B-coded,field atta Male 5poles Black Screw contacts 0.2 N*m PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel plat 0.4 N*m 60V AC/DC 4A -40°C +90°C NBR	Angled 90° r M12 series chable	M12 B-Coded B-12M15000 Straight 180° PG9 standard Circular connector M12 series B-coded, field attachable Male 5poles Metal Screw contacts 0.2 N*m Brass + Nickel plated Brass + Nickel plated Brass + Nickel plated 0.4 N*m 60V AC/DC 4A -25°C + 85°C NBR
Construction type Part number Housing type Cable gland Description Contacts type Number of contacts Housing colour Fechnical data Type of termination Contacts material Contacts material Contacts material Coupling nut type M12 coupling nut torque Rated voltage Rated current Temperature range O-ring material	M12 B-Coded B-12MC5000 Straight 180° PG7 standard Circular connects B-coded, field atta Male 5poles Black Screw contacts 0.2 N*m PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.4 N*m 60V AC/DC 4A -40°C + 90°C	h	M12 B-Coded B-12ML5000 Straight 180° PG9-11 unified // Circular connecte B-coded, field atta Male 5poles Black Screw contacts 0.2 N*m PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.4 N*m 60V AC/DC 4A -40°C + 90°C	B-12MU5000 Angled 90° Double cable exit or M12 series achable	M12 B-Coded B-12MC5000-SK Straight 180° SK model Circular connecto B-coded,field atta Male 5poles Black Screw contacts 0.2 N*m PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel plat 0.4 N*m 60V AC/DC 4A -40°C +90°C	Angled 90° r M12 series chable	M12 B-Coded B-12M15000 Straight 180° PG9 standard Circular connector M12 series B-coded, field attachable Male 5poles Metal Screw contacts 0.2 N*m Brass + Nickel plated Brass + Gold flash Knurl round Brass + Nickel plated 0.4 N*m 60V AC/DC 4A -25°C + 85°C
Construction type Part number Housing type Cable gland Description Contacts type Number of contacts Housing colour Fechnical data Type of termination Contact screw torque Housing material Contacts material Contacts material Coupling nut type M12 coupling nut material M12 coupling nut torque Rated voltage Rated current Temperature range O-ring material Suitable cable	M12 B-Coded B-12MC5000 Straight 180° PG7 standard Circular connecter B-coded, field atta Male 5poles Black Screw contacts 0.2 N*m PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel plat 0.4 N*m 60V AC/DC 4A -40°C + 90°C NBR	h	M12 B-Coded B-12ML5000 Straight 180° PG9-11 unified // Circular connecte B-coded,field atta Male 5poles Black Screw contacts 0.2 N*m PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel pla 0.4 N*m 60V AC/DC 4A -40°C +90°C NBR Ø cable 4-8mm Ø cable 6-10mm	B-12MU5000 Angled 90° Double cable exit or M12 series achable	M12 B-Coded B-12MC5000-SK Straight 180° SK model Circular connecto B-coded,field atta Male 5poles Black Screw contacts 0.2 N*m PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel plat 0.4 N*m 60V AC/DC 4A -40°C +90°C NBR	Angled 90° r M12 series chable	M12 B-Coded B-12M15000 Straight 180° PG9 standard Circular connector M12 series B-coded, field attachable Male 5poles Metal Screw contacts 0.2 N*m Brass + Nickel plated Brass + Nickel plated Brass + Nickel plated 0.4 N*m 60V AC/DC 4A -25°C + 85°C NBR
Contact screw torque Housing material Contacts material Coupling nut type M12 coupling nut material M12 coupling nut torque Rated voltage Rated current	M12 B-Coded B-12MC5000 Straight 180° PG7 standard Circular connecter B-coded, field atta Male 5poles Black Screw contacts 0.2 N*m PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel plat 0.4 N*m 60V AC/DC 4A -40°C + 90°C NBR	h	M12 B-Coded B-12ML5000 Straight 180° PG9-11 unified // Circular connecte B-coded,field atta Male 5poles Black Screw contacts 0.2 N*m PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel pla 0.4 N*m 60V AC/DC 4A -40°C +90°C NBR Ø cable 4-8mm Ø cable 6-10mm	B-12MU5000 Angled 90° Double cable exit or M12 series achable	M12 B-Coded B-12MC5000-SK Straight 180° SK model Circular connecto B-coded,field atta Male 5poles Black Screw contacts 0.2 N*m PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel plat 0.4 N*m 60V AC/DC 4A -40°C +90°C NBR	Angled 90° r M12 series chable	M12 B-Coded B-12M15000 Straight 180° PG9 standard Circular connector M12 series B-coded, field attachable Male 5poles Metal Screw contacts 0.2 N*m Brass + Nickel plated Brass + Nickel plated Brass + Nickel plated 0.4 N*m 60V AC/DC 4A -25°C + 85°C NBR
Construction type Part number Housing type Cable gland Description Contacts type Number of contacts Housing colour Fechnical data Type of termination Contact screw torque Housing material Contacts material Contacts material Coupling nut type M12 coupling nut material M12 coupling nut torque Rated voltage Rated current Temperature range O-ring material Suitable cable	M12 B-Coded B-12MC5000 Straight 180° PG7 standard Circular connecte B-coded, field atta Male 5poles Black Screw contacts 0.2 N*m PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.4 N*m 60V AC/DC 4A -40°C + 90°C NBR ø 4 - 6mm	h	M12 B-Coded B-12ML5000 Straight 180° PG9-11 unified // Circular connecto B-coded,field atta Male 5poles Black Screw contacts 0.2 N*m PA66 UL94-V2 Brass + Gold flast Knurl round Brass + Nickel pla 0.4 N*m 60V AC/DC 4A -40°C + 90°C NBR Ø cable 4-8mm Ø cable 6-10mm Double exit ø5mm	B-12MU5000 Angled 90° Double cable exit or M12 series achable	M12 B-Coded B-12MC5000-SK Straight 180° SK model Circular connecto B-coded,field atta Male 5poles Black Screw contacts 0.2 N*m PA66 UL94-V2 Brass + Gold flash Knurl round Brass + Nickel plat 0.4 N*m 60V AC/DC 4A -40°C +90°C NBR Ø 4 - 8.6mm	Angled 90° r M12 series chable	M12 B-Coded B-12M15000 Straight 180° PG9 standard Circular connector M12 series B-coded, field attachable Male 5poles Metal Screw contacts 0.2 N*m Brass + Nickel plated Brass + Nickel plated Brass + Nickel plated 0.4 N*m 60V AC/DC 4A -25°C + 85°C NBR Ø 4 - 8mm

See the cables list section

B-coded - Field attachable connectors



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Technical drawing	o(1	0	
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	o	o € 3 o € 4 o € 5	
		5 3 3 5 5 4	
Product description			
Connector type	Circular connector field attachable	Circular connector field attachable	
Conforms to	IEC 61076-2-101	IEC 61076-2-101	
Construction type	M12 B-Coded	M12 B-Coded	
Part number	B-12F15000-ATEX	B-12M15000-ATEX	
Housing type	Straight 180°	Straight 180°	
Cable gland	PG9 standard	PG9 standard	
Description	Circular connector M12 series	Circular connector M12 series	
Description	B-coded,ATEX conf.,field attachable	B-coded,ATEX conf.,field attachable	
Contacts type	Female	Male	
Number of contacts	5poles	5poles	
Housing colour	Metal	Metal	
echnical data			· · · · · · · · · · · · · · · · · · ·
Type of termination	Screw contacts	Screw contacts	
Contact screw torque	0.2 N*m	0.2 N*m	
Housing material	Brass+Nickel plated	Brass+Nickel plated	
Contacts material	Brass+Gold flash	Brass + Gold flash	
Coupling nut type	Hexagonal (SW17)	Hexagonal (SW17)	
M12 coupling nut material	Brass+Nickel plated	Brass + Nickel plated	
M12 coupling nut torque	0.6 N*m	0.6 N*m	
Rated voltage	125V AC/DC	125V AC/DC	
Rated current	4A	4A	
Temperature range	-20°C +85°C	-20°C +85°C	
O-ring material	NBR	NBR	
Suitable cable	ø 4 - 8mm	ø 4 - 8mm	
Packaging			
Qty/Bag	1 pc / bag	1 pc / bag	
Other accessories options			
See accessories section			
lotes: Connectors available with different feautures See the general features and codification sc See the cables list section	s: heme page		



D-coded - Field attachable connectors

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Technical drawing								
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	9700 P67				-20.			
Product description								
Connector type	Circular connec	tor field attachable	Circular connecto	or field attachable	Circular connecto	r field attachable	Circular connector field attachab	
Conforms to	IEC 61076-2-10)1	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 D-Coded		M12 D-Coded		M12 D-Coded		M12 D-Coded	
Part number	D-12FC4000	D-12FB4000	D-12FL4000	D-12FU4000	D-12FC4000-SK	D-12FB4000-SK		
Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	
Cable gland	PG7 standard	· · · · 3 · · · · ·	PG9-11 unified /	•	SK model		PG9 standard	
Description	Circular connec D-coded,field at		Circular connecto D-coded,field atta	or M12 series	Circular connector M12 series D-coded,field attachable		Circular connector M12 series D-coded,field attachable	
Contacts type	Female		Female		Female		Female	
Number of contacts	4poles		4poles		4poles		4poles	
Housing colour	Black		Black		Black		Metal	
Technical data								
Type of termination	Screw contacts		Screw contacts		Screw contacts		Screw contacts	
Contact screw torque	0.2 N*m		0.2 N*m		0.2 N*m		0.2 N*m	
Housing material	PA66 UL94-V2		PA66 UL94-V2		PA66 UL94-V2		Brass+Nickel plated	
Contacts material	Brass+Gold fla	eh	Brass+Gold flash	1	Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Knurl round	511	Knurl round	1	Knurl round		Knurl round	
W12 coupling nut material	Brass+Nickel p	lated	Brass+Nickel pla	tod	Brass+Nickel plat	ad	Brass+Nickel plated	
M12 coupling nut torque	0.4 N*m	14104	0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	250V AC/DC		250V AC/DC		250V AC/DC		250V AC/DC	
Rated current	4A		4A		4A		4A	
Raled current Temperature range	4A -40°C +90°C		4A -40°C +90°C		4A -40°C +90°C		-25°C +85°C	
O-ring material	-40°C +90°C		-40°C +90°C		-40°C +90°C		-25°C + 85°C	
Suitable cable					ø 4 - 8.6mm		ø 4 - 8mm	
	ø 4 - 6mm		ø cable 6-10mm Double exit ø5mn	n(max.)	0 4 - 0.011111		Ø 4 - OIIIII	
Dookoging								
Packaging	1 pa/bar		1 no / hog		1 no / hor		1 no / hog	
Qty/Bag	1 pc / bag		1 pc / bag		1 pc / bag		1 pc / bag	
Other accessories options								
See accessories section								
Notes: Connectors available with difference See the general features and co		Ie						

D-coded - Field attachable connectors



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Technical drawing								
				-56		~39.5		
o■ 1 o■ 2 o■ 3 o■ 4			PG4			MIZ4	. 217	
	39.6 970.6 PG7				PG9			MI2X1
Product description								
Connector type	Circular connector	field attachable	Circular connect	or field attachable	Circular connecto	field attachable	Circular connector field attac	hable
Conforms to	IEC 61076-2-101		IEC 61076-2-10 ⁻		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 D-Coded		M12 D-Coded		M12 D-Coded		M12 D-Coded	
Part number	D-12MC4000	D-12MB4000	D-12ML4000	D-12MU4000	D-12MC4000-SK	D-12MB4000-SK	D-12M14000	
Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	
Cable gland	PG7 standard	0		Double cable exit	SK model	0	PG9 standard	
Description	Circular connector D-coded,field attac		Circular connect D-coded,field att		Circular connector D-coded,field attac		Circular connector M12 serie D-coded,field attachable	S
Contacts type	Male		Male		Male		Male	
Number of contacts	4poles		4poles		4poles		4poles	
Housing colour	Black		Black		Black		Metal	
echnical data								
Type of termination	Screw contacts		Screw contacts		Screw contacts		Screw contacts	
Contact screw torque	0.2 N*m		0.2 N*m		0.2 N*m		0.2 N*m	
Housing material	PA66 UL94-V2		PA66 UL94-V2		PA66 UL94-V2		Brass+Nickel plated	
Contacts material	Brass+Gold flash		Brass+Gold flas	h	Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Knurl round		Knurl round		Knurl round		Knurl round	
M12 coupling nut material	Brass+Nickel plat	od	Brass+Nickel pla	tod	Brass+Nickel plat	od	Brass+Nickel plated	
M12 coupling nut torque	0.4 N*m	u	0.4 N*m	1100	0.4 N*m	u	0.4 N*m	
Rated voltage	250V AC/DC		250V AC/DC		250V AC/DC		250V AC/DC	
Rated current			4A		4A		4A	
	4A -40°C +90°C		4A -40°C +90°C		4A -40°C +90°C		-25°C +85°C	
Temperature range O-ring material	-40°C +90°C NBR		-40°C +90°C NBR				-25°C +85°C NBR	
Suitable cable	ø 4 - 6mm		ø cable 6-10mm Double exit ø5mr	n(max.)	NBR ø 4 - 8.6mm		ø 4 - 8mm	
Packaging					<u> </u>		<u> </u>	
Qty/Bag	1 pc / bag		1 pc / bag		1 pc / bag		1 pc / bag	
Other accessories options	i po / nay		i po / bay		i po / bay		r ho / nañ	
See accessories section								
See accessories section								
Connectors available with differ See the general features and co See the cables list section								



D-coded - Field attachable connectors

Fechnical drawing	o(1	o	
	oC2 oC3 oC4		
roduct description			
Connector type	Circular connector field attachable	Circular connector field attachable	
Conforms to	IEC 61076-2-101	IEC 61076-2-101	
Construction type	M12 D-Coded	M12 D-Coded	
Part number	D-12F14000-ATEX	D-12M14000-ATEX	
Housing type	Straight 180°	Straight 180°	
Cable gland	PG9 standard	PG9 standard	
Description	Circular connector M12 series D-coded,ATEX conf.,field attachable	Circular connector M12 series D-coded,ATEX conf.,field attachable	
Contacts type	Female	Male	
Number of contacts	4poles	4poles	
Housing colour	Metal	Metal	
echnical data			
Type of termination	Screw contacts	Screw contacts	
Contact screw torque	0.2 N*m	0.2 N*m	
lousing material	Brass+Nickel plated	Brass+Nickel plated	
Contacts material	Brass+Gold flash	Brass+Gold flash	
Coupling nut type	Hexagonal (SW17)	Hexagonal (SW17)	
M12 coupling nut material	Brass+Nickel plated	Brass+Nickel plated	
W12 coupling nut torque	0.6 N*m	0.6 N*m	
Rated voltage	250V AC/DC	250V AC/DC	
Rated current	4A	4A	
Temperature range	-20°C +85°C	-20°C +85°C	
O-ring material	NBR	NBR	
Suitable cable	ø 4 - 8mm	ø 4 - 8mm	
'ackaging			
ackaging Qty/Bag	1 pc / bag	1 pc / bag	
oty/Day Ither accessories options	1 pc / bay	i hc/ nag	
See accessories section			
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onnectors available with different feautures ee the general features and codification scl ee the cables list section	: heme page		

Moulded cable connectors - General features and codification scheme



• GENERAL FEATURES OF MOULDED CONNECTORS:

Conductor cross section : 0.08(28AWG)...0.75mm²(18AWG).

Fixing system : M12 coupling nut.

Max. screw torque IEC60947-1 M12 coupling nut torque 0.4N*m

Type of terminations : Crimped wires. Solder wires (8 poles - 12 poles). **Contact material and treatment :** Brass + Gold flash.

Housing material : Polyurethane

PA66.

Internal core material :

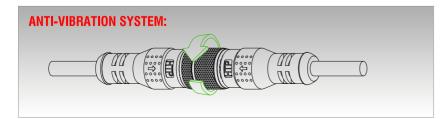
Coupling nut material : Brass + Nickel plated. Stainless steel AISI304(upon request). Stainless steel AISI316(upon request). Protection class : IP67/IP69K.

Operating temperature : -25°C +90°C Standard. -25°C +120°C (UL approved connectors).

## - 12 F D 3 A 1Z 12 M D -	##
CODING NO DIGIT : M12 A-CODING BS: M12 B-CODING BS: M12 B-CODING C : M12 C-CODING D: M12 D-CODING K: M12 K-CODING E: M12 K-CODING S: M12 S-CODING S: M12 S-CODING X: M12 X-CODING X: M12 X-CODING	
SERIES 12 : M12 CIRCULAR CONNECTOR	
GENDER	
CONNECTOR TYPE A: ANGLED 90°. D: STRAIGHT 180°. E: ANGLED 90° WITH 2 LED NPN. F: ANGLED 90° WITH 2 LED NPN. G: STRAIGHT 180° WITH 2 LED NPN. H: STRAIGHT 180° WITH 2 LED NPN. J: STRAIGHT 180° WITH 2 LED NPN. J: STRAIGHT 180° WITH 2 LED NPN. J: STRAIGHT 180° WITH 2 LED NPN. J: STRAIGHT 180° WITH 2 LED PNP. J: STRAIGHT 180° TOTALLY SHIELDED. V: ANGLED 90° TOTALLY SHIELDED.	
NUMBERS OF POLES	
CABLE TYPE SEE CABLES FEATURES PAGE ##	
12:1m A: +10cm 22:2m B: +20cm 32:3m C: +30cm 1 F = 1.6m" 2 A = 2.1m"	
SPECIFY OTHER CONNECTOR'S SIDE	

SOME VARIABLES

INOX OF IN : M12 COUPLING NUT IN STAINLESS STEEL (AISI304). IN316 : M12 COUPLING NUT IN STAINLESS STEEL (AISI316). HN : HEXAGONAL M12 COUPLING NUT. S : SPECIAL STRIPPING/PEELING-TINNING. Y : WITHOUT H.T.P.LOGO. UL : UL APPROVED.





Moulded cable connectors - A-coded

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1				5-22	2 1 5 4 1 5 4 1 1 5 4 1 1 5 4 1 1 1 1 1 1
	vith moulded cable		with moulded cable		with moulded cable
Circular connector N cable	112 series with moulded	Circular connector cable	M12 series with moulded	Circular connector cable	M12 series with moulded
12FD3B1Z	12FA3B1Z	12FD4B1Z	12FA4B1Z	12FD5B1Z	12FA5B1Z
Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°
Moulded cable		Moulded cable		Moulded cable	
Female		Female		Female	
3poles		4poles		5poles	
Black		Black		Black	
Contacts to crimp w	ires	Contacts to crimp v	vires	Contacts to crimp v	wires
Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Knurl round		Knurl round		Knurl round	
			d	Brass+Nickel plated	
				0.4 N*m	
NBR		NBR		NBR	
Black					
			Black		; Black; Grey
, ,					
1m		1m		1m	
1 pc / bag		1 pc / bag		1 pc / bag	
	Circular connector w IEC 61076-2-101 M12 A-Coded Circular connector M cable 12FD3B1Z Straight 180° Moulded cable Female 3poles Black Contacts to crimp w Brass + Gold flash Knurl round Brass + Nickel plated 0.4 N*m 250V AC/DC 4A NBR PVC/PVC CEI2022	$\begin{array}{c} \bullet & \bullet & \bullet \\ \bullet & \bullet & \bullet \\ \bullet & \bullet & \bullet \\ \bullet & \bullet &$	Circular connector with moulded cable Circular connector with moulded cable Circular connector with moulded cable Circular connector with moulded cable IEC 61076-2-101 IEC 61076-2-101 M12 A-Coded M12 A-Coded Circular connector M12 series with moulded cable Circular connector icable 12FD3B1Z 12FA3B1Z 12FD3B1Z 12FA3B1Z Straight 180° Angled 90° Moulded cable Female Straight 180° Angled 90° Straight 180° Angled 90° Straight 180° Moulded cable Female Female 3poles 4poles Black Black Contacts to crimp wires Contacts to crimp vires Contacts to crimp vir	Image: state of the state	$\begin{array}{c c c c c c c c c c c c c c c c c c c $

Connectors available with different feautures: See the general features and codification scheme page See the cables list section

Moulded cable connectors - A-coded



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					C. Roll Concession			
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O o (1) • o (2) • o (3) • o (4) • o (5) • o (6) • o (7) • o (7)	8, ² / ₃	$ \begin{array}{c} \circ & - & - & - & - & - & - \\ \circ & - & - & - & - & 2 \\ \circ & - & - & - & 2 \\ \circ & - & - & - & 2 \\ \circ & - & - & - & - & 2 \\ \circ & - & - & - & - & - & - \\ \circ & - & - & - & - & - \\ \circ & - & - & - & - & - \\ \circ & - & - & - & - & - \\ \circ & - & - & - & - & - \\ \circ & - & - & - & - & - \\ \circ & - & - & - & - & - \\ \circ & - & - & - & - & - \\ \circ & - & - & - & - & - \\ \circ & - & - & - & - & - \\ \circ & - & - & - & - & - \\ \circ & - & - & - & - & - \\ \circ & - & - & - & - & - \\ \circ & - & - & - & - & - \\ \circ & - & - & - & - & - \\ \circ & - & - & - & - & - \\ \circ & - & - & - & - & - \\ \circ & - & - & - & - & - \\ \circ & - & - & - & - \\ \circ & - & - & - & - & - \\ \circ & - & - & - & - & - \\ \circ & - & - & - & - & - \\ \circ & - & - & - \\ \circ & - & - & - & - \\ \circ & - & - & - & - \\ \circ & - & - & - & - \\ \circ & - & - & - & - \\ \circ & - & - & - & - \\ \circ & - & - & - & - \\ \circ & - & - & - & - \\ \circ & - & - & - & - \\ \circ & - & - & - \\ \circ & - & - & - \\ \circ & - & - & - \\ \circ & - $			1 4 3 1 • • • • • • • • • •		2	
	4 7 3	$\bigcirc \circ \circ (9) \\ \bigcirc \circ \circ (10) \\ \bigcirc \circ \circ (11) \\ \bigcirc \circ \circ (12) \\ \odot \circ (12) \\ \bigcirc \circ \circ (12) \\ \bigcirc \circ \circ (12) \\ \bigcirc \circ \circ (12) \\ \bigcirc \circ \circ (12) \\ \bigcirc \circ \circ (12) \\ \bigcirc \circ \circ (12) \\ \bigcirc \circ \circ (12) \\ \circ $		1				
Product description								
Circular connector wi	th moulded cable	Circular connector wit	h moulded cable	Circular connector w	ith moulded cable	Circular connector wit	h moulded cable	
IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101		
M12 A-Coded		M12 A-Coded		M12 A-Coded		M12 A-Coded		
Circular connector M ⁻ cable	12 series with moulded	Circular connector M1 cable	2 series with moulded		112 series n.2 Led PNP I4:YE)with moulded cable	Circular connector M1 circuit (PIN1: GN;PIN4	2 series n.2 Led PNP :YE)with moulded cable	
12FD8A1Z	12FA8A1Z	12FD12K1Z	12FA12K1Z	12FG3B1Z	12FF3B1Z	12FG4B1Z	12FF4B1Z	
Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°	
Moulded cable		Moulded cable		Moulded cable		Moulded cable		
Female		Female		Female		Female		
8poles		12poles		3poles		4poles		
Black		Black		Transparent		Transparent		
Technical data								
Contacts to solder win	res	Contacts to solder wir	es	Contacts to solder P	СВ	Contacts to solder PC	3	
Brass+Gold flash		Brass+Gold flash		Brass+Gold flash		Brass+Gold flash		
Knurl round		Knurl round		Knurl round		Knurl round		
Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated		
0.4 N*m		0.4 N*m		0.4 N*m		0.4 N*m		
30V AC/DC		30V AC/DC		10-30V DC		10-30V DC		
2A		1.5A		3A		3A		
NBR		NBR		NBR		NBR		
PVC/PVC CEI2022		PVC/PVC CEI2022		PVC/PVC CEI2022		PVC/PVC CEI2022		
Black		Black		Black		Black		
8x0.25mm ²		12x0.14mm ²		3x0.34mm ²		4x0.34mm ²	ooly	
	ellow;Grey;Pink;Blue;Red		x,ay;Ru;Vt;PK/GY;R0/Bu	Brown; Blue; Black		Brown; White; Blue; Bl	auk,	
ø6mm (±0.3)		ø6.5mm (±0.3)		ø4.8mm (±0.3) 1m		ø5.2mm (±0.3)		
1m Reekesing		1m		1111		1m		
Packaging		1 nc / hag		1 nc / hac		1 nc / bag		
1 pc / bag	ntiono	1 pc / bag		1 pc / bag		1 pc / bag		
Other accessories of See accessories sec								
Notes:	uon							
NUCES:								

Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section



Moulded cable connectors - A-coded

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iechnical drawing		3 4 M 1		1	• • • • • • • • • • • • • • • • • • •		
31,50 31,10							
Product description							
Connector type	Circular connector w	ith moulded cable	Circular connector with moulded cable		Circular connector with moulded cable		
Conforms to		IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101 M12 A-Coded	
Construction type Description	Circular connector M	Circular connector M12 series n.2 Led NPN		M12 A-Coded Circular connector M12 series n.2 Led NPN circuit (PIN3: GN;PIN4:YE)with moulded cable		Circular connector M12 series TOTALLY	
Part number	12FH3B1Z	12FE3B1Z	12FH4B1Z	12FE4B1Z	12FJ3F1Z	12FV3F1Z	
lousing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°	
able gland	Moulded cable			Moulded cable		Moulded cable	
anie giallu	Female		Female		Female		
	Female			4poles		3poles	
ontacts type	Female 3poles						
ontacts type umber of contacts							
Contacts type lumber of contacts lousing colour	3poles		4poles		3poles		
Contacts type lumber of contacts lousing colour 'echnical data	3poles	CB	4poles)B	3poles	25	
Contacts type Number of contacts Jousing colour Fechnical data Fype of termination	3poles Transparent)B	4poles Transparent)B	3poles Black	35	
Contacts type Number of contacts Jousing colour Fechnical data Type of termination Contacts material	3poles Transparent Contacts to solder PC	2B	4poles Transparent Contacts to solder P0 Brass + Gold flash Knurl round)B	3poles Black Contacts to crimp wire	25	
Contacts type Number of contacts Housing colour Fechnical data Type of termination Contacts material Coupling nut type M12 coupling nut material	3poles Transparent Contacts to solder PC Brass + Gold flash Knurl round Brass + Nickel plated	CB	4poles Transparent Contacts to solder PG Brass + Gold flash Knurl round Brass + Nickel plated)B	3poles Black Contacts to crimp wire Brass + Gold flash Knurl round Brass + Nickel plated	25	
Contacts type Number of contacts Housing colour Fechnical data Type of termination Contacts material Coupling nut type M12 coupling nut material M12 coupling nut torque	3poles Transparent Contacts to solder PC Brass + Gold flash Knurl round Brass + Nickel plated 0.4 N*m)B	4poles Transparent Contacts to solder PC Brass + Gold flash Knurl round Brass + Nickel plated 0.4 N*m)B	3poles Black Contacts to crimp wire Brass + Gold flash Knurl round Brass + Nickel plated 0.4 N*m	35	
Contacts type Number of contacts Housing colour Fechnical data Type of termination Contacts material Coupling nut type V12 coupling nut material V12 coupling nut torque Rated voltage	3poles Transparent Contacts to solder PC Brass + Gold flash Knurl round Brass + Nickel plated 0.4 N*m 10-30V DC)B	4poles Transparent Contacts to solder PC Brass + Gold flash Knurl round Brass + Nickel plated 0.4 N*m 10-30V DC)B	3poles Black Contacts to crimp wire Brass + Gold flash Knurl round Brass + Nickel plated 0.4 N*m 250V AC/DC	35	
Contacts type Number of contacts Housing colour Fechnical data Type of termination Contacts material Coupling nut type V12 coupling nut material V12 coupling nut torque Rated voltage Rated current	3poles Transparent Contacts to solder PC Brass + Gold flash Knurl round Brass + Nickel plated 0.4 N*m 10-30V DC 3A)B	4poles Transparent Contacts to solder PC Brass + Gold flash Knurl round Brass + Nickel plated 0.4 N*m 10-30V DC 3A	CB	3poles Black Contacts to crimp wire Brass + Gold flash Knurl round Brass + Nickel plated 0.4 N*m 250V AC/DC 4A	35	
Contacts type Number of contacts Housing colour Fechnical data Fype of termination Contacts material Coupling nut type M12 coupling nut material M12 coupling nut torque Rated voltage Rated current D-ring material	3poles Transparent Contacts to solder PC Brass + Gold flash Knurl round Brass + Nickel plated 0.4 N*m 10-30V DC 3A NBR)B	4poles Transparent Contacts to solder PC Brass + Gold flash Knurl round Brass + Nickel plated 0.4 N*m 10-30V DC 3A NBR	28	3poles Black Contacts to crimp wire Brass + Gold flash Knurl round Brass + Nickel plated 0.4 N*m 250V AC/DC 4A NBR		
Contacts type Jumber of contacts Housing colour Fechnical data Type of termination Contacts material Coupling nut type A12 coupling nut material A12 coupling nut torque Rated voltage Rated current D-ring material Cable type	3poles Transparent Contacts to solder PC Brass + Gold flash Knurl round Brass + Nickel plated 0.4 N*m 10-30V DC 3A NBR PVC/PVC CEI2022)B	4poles Transparent Contacts to solder PC Brass + Gold flash Knurl round Brass + Nickel plated 0.4 N*m 10-30V DC 3A NBR PVC/PVC CEI2022	28	3poles Black Contacts to crimp wire Brass + Gold flash Knurl round Brass + Nickel plated 0.4 N*m 250V AC/DC 4A NBR PVC/PVC CEI2022 SH		
Contacts type Jumber of contacts Jousing colour Fechnical data Type of termination Contacts material Coupling nut type A12 coupling nut material A12 coupling nut torque Rated voltage Rated voltage Rated current D-ring material Cable type Cable jacket colour	3poles Transparent Contacts to solder PC Brass + Gold flash Knurl round Brass + Nickel plated 0.4 N*m 10-30V DC 3A NBR PVC/PVC CEI2022 Black	;B	4poles Transparent Contacts to solder PC Brass + Gold flash Knurl round Brass + Nickel plated 0.4 N*m 10-30V DC 3A NBR PVC/PVC CEI2022 Black	28	3poles Black Contacts to crimp wire Brass + Gold flash Knurl round Brass + Nickel plated 0.4 N*m 250V AC/DC 4A NBR PVC/PVC CEI2022 SH Black		
Contacts type Number of contacts Housing colour Fechnical data Type of termination Contacts material Coupling nut type A12 coupling nut material A12 coupling nut torque Rated voltage Rated voltage Rated current D-ring material Cable type Cable jacket colour No.Conductors / Section	3poles Transparent Contacts to solder PC Brass + Gold flash Knurl round Brass + Nickel plated 0.4 N*m 10-30V DC 3A NBR PVC/PVC CEI2022 Black 3x0.34mm ²	ЪВ	4poles Transparent Contacts to solder PC Brass + Gold flash Knurl round Brass + Nickel plated 0.4 N*m 10-30V DC 3A NBR PVC/PVC CEI2022 Black 4x0.34mm ²		3poles Black Contacts to crimp wire Brass + Gold flash Knurl round Brass + Nickel plated 0.4 N*m 250V AC/DC 4A NBR PVC/PVC CEI2022 SH Black 3x0.34mm ²		
Contacts type Number of contacts Housing colour Fechnical data Type of termination Contacts material Coupling nut type A12 coupling nut material A12 coupling nut torque Rated voltage Rated voltage Rated voltage Cable type Cable jacket colour No.Conductors / Section Conductor colours	3poles Transparent Contacts to solder PC Brass+Gold flash Knurl round Brass + Nickel plated 0.4 N*m 10-30V DC 3A NBR PVC/PVC CEI2022 Black 3x0.34mm² Brown; Blue; Black)B	4poles Transparent Contacts to solder PC Brass + Gold flash Knurl round Brass + Nickel plated 0.4 N*m 10-30V DC 3A NBR PVC/PVC CEI2022 Black 4x0.34mm ² Brown; White; Blue; I		3poles Black Contacts to crimp wire Brass + Gold flash Knurl round Brass + Nickel plated 0.4 N*m 250V AC/DC 4A NBR PVC/PVC CEI2022 SH Black 3x0.34mm ² Brown; Blue; Black		
Contacts type Number of contacts Housing colour Fechnical data Type of termination Contacts material Coupling nut type M12 coupling nut material M12 coupling nut torque Rated voltage Rated voltage Rated current D-ring material Cable type Cable jacket colour Vo.Conductors / Section Conductor colours Cable diameter	3poles Transparent Contacts to solder PC Brass + Gold flash Knurl round Brass + Nickel plated 0.4 N*m 10-30V DC 3A NBR PVC/PVC CEI2022 Black 3x0.34mm² Brown; Blue; Black ø4.8mm (±0.3))B	4poles Transparent Contacts to solder PC Brass + Gold flash Knurl round Brass + Nickel plated 0.4 N*m 10-30V DC 3A NBR PVC/PVC CEI2022 Black 4x0.34mm ² Brown; White; Blue; I ø5.2mm (±0.3)		3poles Black Contacts to crimp wire Brass + Gold flash Knurl round Brass + Nickel plated 0.4 N*m 250V AC/DC 4A NBR PVC/PVC CEI2022 SH Black 3x0.34mm ² Brown; Blue; Black ø5.2mm (±0.3)		
Contacts type Number of contacts Housing colour Fechnical data Type of termination Contacts material Coupling nut type M12 coupling nut material M12 coupling nut torque Rated voltage Rated voltage Rated current O-ring material Cable type Cable jacket colour No.Conductors / Section Conductor colours Cable diameter Cable length	3poles Transparent Contacts to solder PC Brass+Gold flash Knurl round Brass + Nickel plated 0.4 N*m 10-30V DC 3A NBR PVC/PVC CEI2022 Black 3x0.34mm² Brown; Blue; Black)B	4poles Transparent Contacts to solder PC Brass + Gold flash Knurl round Brass + Nickel plated 0.4 N*m 10-30V DC 3A NBR PVC/PVC CEI2022 Black 4x0.34mm ² Brown; White; Blue; I		3poles Black Contacts to crimp wire Brass + Gold flash Knurl round Brass + Nickel plated 0.4 N*m 250V AC/DC 4A NBR PVC/PVC CEI2022 SH Black 3x0.34mm ² Brown; Blue; Black		
Cable gland Contacts type Number of contacts Housing colour Technical data Type of termination Contacts material Coupling nut type M12 coupling nut material M12 coupling nut torque Rated voltage Rated voltage Rated current O-ring material Cable type Cable jacket colour No.Conductors / Section Conductor colours Cable diameter Cable length Packaging Contacts type	3poles Transparent Contacts to solder PC Brass + Gold flash Knurl round Brass + Nickel plated 0.4 N*m 10-30V DC 3A NBR PVC/PVC CEI2022 Black 3x0.34mm ² Brown; Blue; Black Ø4.8mm (±0.3) 1m)В 	4poles Transparent Contacts to solder P4 Brass + Gold flash Knurl round Brass + Nickel plated 0.4 N*m 10-30V DC 3A NBR PVC/PVC CEI2022 Black 4x0.34mm ² Brown; White; Blue; I ø5.2mm (±0.3) 1m		3poles Black Contacts to crimp wire Brass + Gold flash Knurl round Brass + Nickel plated 0.4 N*m 250V AC/DC 4A NBR PVC/PVC CEI2022 SH Black 3x0.34mm ² Brown; Blue; Black ø5.2mm (±0.3) 1m		
Contacts type Number of contacts Housing colour Technical data Type of termination Contacts material Coupling nut type V12 coupling nut material V12 coupling nut torque Rated voltage Rated voltage Rated current O-ring material Cable type Cable jacket colour No.Conductors / Section Conductor colours Cable diameter Cable length	3poles Transparent Contacts to solder PC Brass + Gold flash Knurl round Brass + Nickel plated 0.4 N*m 10-30V DC 3A NBR PVC/PVC CEI2022 Black 3x0.34mm² Brown; Blue; Black ø4.8mm (±0.3)	ЗВ 	4poles Transparent Contacts to solder PC Brass + Gold flash Knurl round Brass + Nickel plated 0.4 N*m 10-30V DC 3A NBR PVC/PVC CEI2022 Black 4x0.34mm ² Brown; White; Blue; I ø5.2mm (±0.3)		3poles Black Contacts to crimp wire Brass + Gold flash Knurl round Brass + Nickel plated 0.4 N*m 250V AC/DC 4A NBR PVC/PVC CEI2022 SH Black 3x0.34mm ² Brown; Blue; Black ø5.2mm (±0.3)		

Connectors available with different feautures: See the general features and codification scheme page See the cables list section

Moulded cable connectors - A-coded



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	2 3 4 1 1 3 3 3 3 3 3 3		2 3 4 5 5 1 2 1 1 2 2 3 1 2 1 2 1 2 1 2 1 2 1 2 1			
1 4 roduct description		5-4-2-3		7	- 3 - 3	
	with moulded cable	Circular connector v	vith moulded cable	Circular connector with moulded cable		
C 61076-2-101		IEC 61076-2-101				
112 A-Coded		M12 A-Coded		IEC 61076-2-101 M12 A-Coded		
Circular connector M12 series TOTALLY SHIELDED with moulded cable		Circular connector M12 series TOTALLY SHIELDED with moulded cable		Circular connector M12 series with moulded cable		
I2FJ4F1Z	12FV4F1Z	12FJ5F1Z	12FV5F1Z	12FJ8J1Z	12FV8J1Z	
traight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°	
loulded cable		Moulded cable		Moulded cable		
Female		Female		Female		
4poles		5poles		8poles		
lack		Black		Black		
echnical data						
Contacts to crimp wires Contacts to crimp wires		rires	Contacts to solder w Brass+Gold flash	vires		
rass+Gold flash			Brass+Gold flash			
Knurl round Knurl round		-	Knurl round			
rass+Nickel plated			Brass+Nickel plated			
.4 N*m		0.4 N*m		0.4 N*m		
50V AC/DC		60V AC/DC		30V AC/DC		
A		4A		2A		
IBR		NBR		NBR		
VC/PVC CEI2022 S	SHIELDED	PVC/PVC CEI2022 SHIELDED		PVC/PVC CEI2022 SHIELED		
lack		Black		Black		
x0.34mm ²	<u> </u>	5x0.34mm ²		8x0.25mm ²		
Brown; White; Blue; Black Brown; White; Blue; Black; Grey			Yellow;Grey;Pink;Blue;Red			
5.5mm (±0.3) Ø6mm (±0.3)		ø6.5mm (±0.3)				
m		1m		1m		
Packaging					T	
pc / bag		1 pc / bag		1 pc / bag		
Other accessories						
See accessories se	ection					
Notes: Connectors availabl	le with different feautures tures and codification sc	5.				

See the general features and codification scheme page See the cables list section



Moulded cable connectors - A-coded

		150		Callar.	(All	Tallar.	
			(F)		(F)		
Fechnical drawing	• •= 1		● o■ 1		• o 1		
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	● o 4		• • • • • • • • • • • • • • • • • • •				
31,50 31,10 HTTP: 000 000 000 000 000 000 000 0					5		
Product description							
Connector type	Circular connector with	Circular connector with moulded cable		Circular connector with moulded cable		Circular connector with moulded cable	
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101		
Construction type	M12 A-Coded		M12 A-Coded		M12 A-Coded		
Description	Circular connector M12 series with moulded cable		Circular connector M12 series with moulded cable		Circular connector M12 series with mould cable		
Part number	12MD3B1Z	12MA3B1Z	12MD4B1Z	12MA4B1Z	12MD5B1Z	12MA5B1Z	
Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°	
Cable gland	Moulded cable		Moulded cable		Moulded cable		
Contacts type	Male		Male		Male		
lumber of contacts	3poles		4poles		5poles		
lousing colour	Black		Black		Black		
echnical data							
ype of termination	Contacts to crimp wires	Contacts to crimp wires		Contacts to crimp wires		Contacts to crimp wires	
ontacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash		
coupling nut type	Knurl round		Knurl round		Knurl round		
112 coupling nut material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated		
A12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m		
Rated voltage	250V AC/DC		250V AC/DC		60V AC/DC		
Rated current	4A	4A		4A		4A	
D-ring material	-		-		-		
Cable type	PVC/PVC CEI2022		PVC/PVC CEI2022		PVC/PVC CEI2022		
Cable jacket colour	Black		Black		Black		
Io.Conductors / Section	3x0.34mm ²		4x0.34mm ²		5x0.34mm ²		
	Brown; Blue; Black		Brown; White; Blue; Black		Brown; White; Blue; Black; Grey		
Conductor colours	ø4.8mm (±0.3)		ø5.2mm (±0.3)		ø5.5mm (±0.3)		
Conductor colours Cable diameter			1m		1m		
Conductor colours Cable diameter Cable length	1m		1111				
Conductor colours Cable diameter Cable length Packaging	1m						
Conductor colours Cable diameter Cable length Packaging Oty/Bag Other accessories options			1 pc / bag		1 pc / bag		

Connectors available with different feautures: See the general features and codification scheme page See the cables list section

Moulded cable connectors - A-coded



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			1				
roduct description							
	with moulded cable		with moulded cable		with moulded cable		with moulded cable
EC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
V12 A-Coded		M12 A-Coded		M12 A-Coded		M12 A-Coded	
Circular connector I cable	W12 series with moulded	Circular connector cable	M12 series with moulded	Circular connector SHIELDED with mo	M12 series TOTALLY oulded cable	Circular connector M12 series TOTALL SHIELDED with moulded cable	
2MD8A1Z	12MA8A1Z	12MD12K1Z	12MA12K1Z	12MJ3F1Z	12MV3F1Z	12MJ4F1Z	12MV4F1Z
traight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°
loulded cable		Moulded cable		Moulded cable		Moulded cable	
lale		Male		Male		Male	
poles		12poles		3poles 4poles		4poles	
lack		Black		Black		Black	
echnical data							
ontacts to solder v	wires	Contacts to solder	wires	Contacts to crimp	wires	Contacts to crimp wires	
rass+Gold flash		Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
nurl round		Knurl round		Knurl round		Knurl round	
rass+Nickel plate	d	Brass+Nickel plate	d	Brass+Nickel plated		Brass+Nickel plated	
).4 N*m		0.4 N*m		0.4 N*m		0.4 N*m	
OV AC/DC		30V AC/DC		250V AC/DC		250V AC/DC	
A		1.5A		4A		4A	
		-		-		-	
VC/PVC CEI2022		PVC/PVC CEI2022		PVC/PVC CEI2022	SHIELDED	PVC/PVC CEI2022	SHIELDED
lack		Black		Black		Black	
	V.II. 0. 01	12x0.14mm ²		3x0.34mm ²		4x0.34mm ²	
	ite;Brown;Green;Yellow;Grey;Pink;Blue;Red Bn;Bu;Wh;Gn;Pk;Ye;Bk;Gy;Rd;Vt;Pk/Gy;Rd/Bu		e;Bk;Gy;Rd;Vt;Pk/Gy;Rd/Bu		(Brown; White; Blue	e; Black
/hite;Brown;Green;				ø5.2mm (±0.3)		ø5.5mm (±0.3)	
ø6mm (±0.3)						1m	
/hite;Brown;Green; 6mm (±0.3) m		1m		1m		1m	
Vhite;Brown;Green; i6mm (±0.3) m Packaging		1m					
Vhite;Brown;Green; i6mm (±0.3) m 'ackaging pc / bag				1m 1 pc / bag		1m 1 pc / bag	
Vhite;Brown;Green;		1m					



Moulded cable connectors - A-coded

		Caller.	()	Contraction of the second	
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echnical drawing			0 • 1		
Product description	5 4		4 6		
Connector type	Circular connector wi	th moulded cable	Circular connector v	vith moulded cable	
Sonforms to	IEC 61076-2-101		IEC 61076-2-101		
Construction type	M12 A-Coded		M12 A-Coded		
Description	Circular connector M SHIELDED with moule		Circular connector M12 series TOTALLY SHIELDED with moulded cable		
Part number	12MJ5F1Z	12MV5F1Z	12MJ8J1Z	12MV8J1Z	
lousing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	
able gland	Moulded cable		Moulded cable		
Contacts type	Male		Male		
lumber of contacts	5poles		8poles		
lousing colour	Black		Black		
echnical data					
ype of termination	Contacts to crimp wir	es	Contacts to solder v	vires	
contacts material	Brass+Gold flash		Brass+Gold flash		
Coupling nut type	Knurl round		Knurl round		
A12 coupling nut material	Brass+Nickel plated		Brass+Nickel plated	ł	
A12 coupling nut torque	0.4 N*m		0.4 N*m		
Rated voltage	60V AC/DC		30V AC/DC		
Rated current	4A		2A		
D-ring material	-		-		
Cable type	PVC/PVC CEI2022 SH	IIELDED	PVC/PVC CEI2022 S	SHIELDED	
Cable jacket colour	Black		Black		
Vo.Conductors / Section	5x0.34mm ²		8x0.25mm ²	V(III. 0. D)	
Conductor colours	Brown; White; Blue; E	slack; Grey		Yellow;Grey;Pink;Blue;Red	
Cable diameter	ø6mm (±0.3)		ø6.5mm (±0.3)		
Cable length	1m		1m		
	1 no /hoc		1 no / ho-		
	1 pc / bag		1 pc / bag		
Qty/Bag					
Qty/Bag Other accessories options					
Packaging Qty/Bag Other accessories options See accessories section Notes:					

Moulded cable connectors - A-coded



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Cechnical drawing	• • • (1 • • (3 • • (4		• • - (1 • • (2 • • (3 • • (4	c (k) US		•	
31,50 31,10	1. 4. 3						
Product description							
Connector type	Circular connector	with moulded cable	Circular connector	with moulded cable	Circular connector	with moulded cable	
Conforms to	IEC 61076-2-101 /	UL approved	IEC 61076-2-101 / UL approved		IEC 61076-2-101 /	/ UL approved	
Construction type	M12 A-Coded		M12 A-Coded		M12 A-Coded		
Description	Circular connector I with moulded cable	M12 series,ULapproved,	Circular connector M12 series,ULapproved, with moulded cable		Circular connector M12 series,ULapprove with moulded cable		
² art number	12FD3I1Z-UL	12FA3I1Z-UL	12FD4I1Z-UL	12FA4I1Z-UL	12FD5I1Z-UL	12FA5I1Z-UL	
lousing type	Straight 180°	12FA3I1Z-UL Angled 90°	Straight 180°	12FA4I1Z-UL Angled 90°	Straight 180°	12FA5I1Z-UL Angled 90°	
lousing type	Straight 180° Moulded cable						
lousing type Cable gland	Straight 180°		Straight 180°		Straight 180°		
Housing type Cable gland Contacts type	Straight 180° Moulded cable		Straight 180° Moulded cable		Straight 180° Moulded cable		
lousing type Cable gland Contacts type lumber of contacts	Straight 180° Moulded cable Female		Straight 180° Moulded cable Female		Straight 180° Moulded cable Female		
lousing type cable gland contacts type lumber of contacts lousing colour cennical data	Straight 180° Moulded cable Female 3poles		Straight 180° Moulded cable Female 4poles		Straight 180° Moulded cable Female 5poles		
Iousing type Cable gland Contacts type Jumber of contacts Iousing colour Fechnical data Type of termination	Straight 180° Moulded cable Female 3poles Black Contacts to crimp v	Angled 90°	Straight 180° Moulded cable Female 4poles Black Contacts to crimp	Angled 90°	Straight 180° Moulded cable Female 5poles Black Contacts to crimp	Angled 90°	
Iousing type Cable gland Contacts type Jumber of contacts Iousing colour Fechnical data Fype of termination Contacts material	Straight 180° Moulded cable Female 3poles Black Contacts to crimp v Brass + Gold flash	Angled 90°	Straight 180° Moulded cable Female 4poles Black Contacts to crimp v Brass + Gold flash	Angled 90°	Straight 180° Moulded cable Female 5poles Black Contacts to crimp Brass + Gold flash	Angled 90°	
Housing type Cable gland Contacts type Jumber of contacts Housing colour Fechnical data Fype of termination Contacts material Coupling nut type	Straight 180° Moulded cable Female 3poles Black Contacts to crimp v Brass + Gold flash Knurl round	Angled 90°	Straight 180° Moulded cable Female 4poles Black Contacts to crimp v Brass+Gold flash Knurl round	Angled 90° vires	Straight 180° Moulded cable Female 5poles Black Contacts to crimp Brass+Gold flash Knurl round	Angled 90°	
Housing type Cable gland Contacts type Number of contacts Housing colour Fechnical data Type of termination Contacts material Coupling nut type V12 coupling nut material	Straight 180° Moulded cable Female 3poles Black Contacts to crimp v Brass + Gold flash Knurl round Brass + Nickel plated	Angled 90°	Straight 180° Moulded cable Female 4poles Black Contacts to crimp v Brass + Gold flash Knurl round Brass + Nickel plate	Angled 90° vires	Straight 180° Moulded cable Female 5poles Black Contacts to crimp Brass + Gold flash Knurl round Brass + Nickel plate	Angled 90°	
Housing type Cable gland Contacts type Number of contacts Housing colour Fechnical data Fype of termination Contacts material Coupling nut type M12 coupling nut torque	Straight 180° Moulded cable Female 3poles Black Contacts to crimp v Brass + Gold flash Knurl round Brass + Nickel plater 0.4 N*m	Angled 90°	Straight 180° Moulded cable Female 4poles Black Contacts to crimp v Brass + Gold flash Knurl round Brass + Nickel plate 0.4 N*m	Angled 90° vires	Straight 180° Moulded cable Female 5poles Black Contacts to crimp Brass + Gold flash Knurl round Brass + Nickel plate 0.4 N*m	Angled 90°	
Housing type Cable gland Contacts type Number of contacts Housing colour Fechnical data Fype of termination Contacts material Coupling nut type M12 coupling nut material M12 coupling nut torque Rafiendith"age	Straight 180° Moulded cable Female 3poles Black Contacts to crimp v Brass + Gold flash Knurl round Brass + Nickel plate 0.4 N*m 250V AC/DC	Angled 90°	Straight 180° Moulded cable Female 4poles Black Contacts to crimp v Brass + Gold flash Knurl round Brass + Nickel plate 0.4 N*m 250V AC/DC	Angled 90° vires	Straight 180° Moulded cable Female 5poles Black Contacts to crimp Brass + Gold flash Knurl round Brass + Nickel plate 0.4 N*m 60V AC/DC	Angled 90°	
Housing type Cable gland Contacts type Number of contacts Housing colour Fechnical data Type of termination Contacts material Coupling nut type M12 coupling nut material M12 coupling nut torque Raħġñġħħ"age Rated current	Straight 180° Moulded cable Female 3poles Black Contacts to crimp v Brass + Gold flash Knurl round Brass + Nickel plate 0.4 N*m 250V AC/DC 4A	Angled 90°	Straight 180° Moulded cable Female 4poles Black Contacts to crimp v Brass + Gold flash Knurl round Brass + Nickel plate 0.4 N*m 250V AC/DC 4A	Angled 90° vires	Straight 180° Moulded cable Female 5poles Black Contacts to crimp Brass + Gold flash Knurl round Brass + Nickel plate 0.4 N*m 60V AC/DC 4A	Angled 90°	
Housing type Cable gland Contacts type Number of contacts Housing colour Fechnical data Type of termination Contacts material Coupling nut type M12 coupling nut material M12 coupling nut torque Raាត្រីក្ញុំក្ញាំ"age Rated current	Straight 180° Moulded cable Female 3poles Black Contacts to crimp v Brass + Gold flash Knurl round Brass + Nickel plate 0.4 N*m 250V AC/DC 4A NBR	Angled 90° vires	Straight 180° Moulded cable Female 4poles Black Contacts to crimp v Brass + Gold flash Knurl round Brass + Nickel plate 0.4 N*m 250V AC/DC 4A NBR	Angled 90° vires	Straight 180° Moulded cable Female 5poles Black Contacts to crimp Brass + Gold flash Knurl round Brass + Nickel plate 0.4 N*m 60V AC/DC 4A NBR	Angled 90° wires	
Housing type Cable gland Contacts type Number of contacts Housing colour Fechnical data Fype of termination Contacts material Coupling nut type M12 coupling nut material M12 coupling nut torque Raħeňġħ' age Rated current D-ring material Cable type	Straight 180° Moulded cable Female 3poles Black Contacts to crimp v Brass + Gold flash Knurl round Brass + Nickel plate 0.4 N*m 250V AC/DC 4A NBR PVC/PVC ULstyle 2	Angled 90° vires	Straight 180° Moulded cable Female 4poles Black Contacts to crimp v Brass + Gold flash Knurl round Brass + Nickel plate 0.4 N*m 250V AC/DC 4A NBR PVC/PVC ULstyle 2	Angled 90° vires	Straight 180° Moulded cable Female 5poles Black Contacts to crimp Brass + Gold flash Knurl round Brass + Nickel plate 0.4 N*m 60V AC/DC 4A NBR PVC/PVC ULstyle 2	Angled 90° wires	
Housing type Cable gland Contacts type Number of contacts Housing colour Fechnical data Fype of termination Contacts material Coupling nut type M12 coupling nut material M12 coupling nut torque Rated current D-ring material Cable type Cable jacket colour	Straight 180° Moulded cable Female 3poles Black Contacts to crimp v Brass + Gold flash Knurl round Brass + Nickel plate 0.4 N*m 250V AC/DC 4A NBR PVC/PVC ULstyle 2 Black	Angled 90° vires	Straight 180° Moulded cable Female 4poles Black Contacts to crimp v Brass + Gold flash Knurl round Brass + Nickel plate 0.4 N*m 250V AC/DC 4A NBR PVC/PVC ULstyle 2 Black	Angled 90° vires d 1179	Straight 180° Moulded cable Female 5poles Black Contacts to crimp Brass + Gold flash Knurl round Brass + Nickel plate 0.4 N*m 60V AC/DC 4A NBR PVC/PVC ULstyle 2 Black	Angled 90° wires ed 21179	
Housing type Cable gland Contacts type Vumber of contacts Housing colour Fechnical data Type of termination Contacts material Coupling nut type V12 coupling nut torque X12 coupling nut torque Rated current D-ring material Cable type Cable jacket colour No.Conductors / Section	Straight 180° Moulded cable Female 3poles Black Contacts to crimp v Brass + Gold flash Knurl round Brass + Nickel plate 0.4 N*m 250V AC/DC 4A NBR PVC/PVC ULstyle 2 Black 3xAWG22 (0.34mm	Angled 90° vires	Straight 180° Moulded cable Female 4poles Black Contacts to crimp v Brass + Gold flash Knurl round Brass + Nickel plate 0.4 N*m 250V AC/DC 4A NBR PVC/PVC ULstyle 2 Black 4xAWG22 (0.34mr	Angled 90° wires d 1179 n²)	Straight 180° Moulded cable Female 5poles Black Contacts to crimp Brass + Gold flash Knurl round Brass + Nickel plate 0.4 N*m 60V AC/DC 4A NBR PVC/PVC ULstyle 2 Black 5xAWG22 (0.34m)	Angled 90° wires ed 21179 m²)	
Housing type Cable gland Contacts type Jumber of contacts Housing colour Fechnical data Type of termination Contacts material Coupling nut type M12 coupling nut material M12 coupling nut torque Rated current D-ring material Cable type Cable jacket colour No.Conductors / Section Conductor colours	Straight 180° Moulded cable Female 3poles Black Contacts to crimp v Brass + Gold flash Knurl round Brass + Nickel plate 0.4 N*m 250V AC/DC 4A NBR PVC/PVC ULstyle 2 Black 3xAWG22 (0.34mm Brown; Blue; Black	Angled 90° vires	Straight 180° Moulded cable Female 4poles Black Contacts to crimp v Brass + Gold flash Knurl round Brass + Nickel plate 0.4 N*m 250V AC/DC 4A NBR PVC/PVC ULstyle 2 Black 4xAWG22 (0.34mr Brown; White; Blue	Angled 90° wires d 1179 n²)	Straight 180° Moulded cable Female 5poles Black Contacts to crimp Brass + Gold flash Knurl round Brass + Nickel plate 0.4 N*m 60V AC/DC 4A NBR PVC/PVC ULstyle 2 Black 5xAWG22 (0.34m Brown; White; Blue	Angled 90° wires ed 21179 m²)	
Housing type Cable gland Contacts type Number of contacts Housing colour Fechnical data Type of termination Contacts material Coupling nut type M12 coupling nut material M12 coupling nut torque Rated current D-ring material Cable type Cable jacket colour No.Conductors / Section Conductor colours Cable diameter	Straight 180° Moulded cable Female 3poles Black Contacts to crimp v Brass + Gold flash Knurl round Brass + Nickel plate 0.4 N*m 250V AC/DC 4A NBR PVC/PVC ULstyle 2 Black 3xAWG22 (0.34mm Brown; Blue; Black ø4.8mm (±0.3)	Angled 90° vires	Straight 180° Moulded cable Female 4poles Black Contacts to crimp v Brass + Gold flash Knurl round Brass + Nickel plate 0.4 N*m 250V AC/DC 4A NBR PVC/PVC ULstyle 2 Black 4xAWG22 (0.34mr Brown; White; Blue ø5.2mm (±0.3)	Angled 90° wires d 1179 n²)	Straight 180° Moulded cable Female 5poles Black Contacts to crimp Brass + Gold flash Knurl round Brass + Nickel plate 0.4 N*m 60V AC/DC 4A NBR PVC/PVC ULstyle 2 Black 5xAWG22 (0.34mi Brown; White; Blue Ø5.8mm (±0.3)	Angled 90° wires ed 21179 m²)	
Housing type Cable gland Contacts type Number of contacts Housing colour Fechnical data Type of termination Contacts material Coupling nut type M12 coupling nut material M12 coupling nut torque Rated current D-ring material Cable type Cable jacket colour No.Conductors / Section Conductor colours Cable diameter Cable lenght	Straight 180° Moulded cable Female 3poles Black Contacts to crimp v Brass + Gold flash Knurl round Brass + Nickel plate 0.4 N*m 250V AC/DC 4A NBR PVC/PVC ULstyle 2 Black 3xAWG22 (0.34mm Brown; Blue; Black	Angled 90° vires	Straight 180° Moulded cable Female 4poles Black Contacts to crimp v Brass + Gold flash Knurl round Brass + Nickel plate 0.4 N*m 250V AC/DC 4A NBR PVC/PVC ULstyle 2 Black 4xAWG22 (0.34mr Brown; White; Blue	Angled 90° wires d 1179 n²)	Straight 180° Moulded cable Female 5poles Black Contacts to crimp Brass + Gold flash Knurl round Brass + Nickel plate 0.4 N*m 60V AC/DC 4A NBR PVC/PVC ULstyle 2 Black 5xAWG22 (0.34m Brown; White; Blue	Angled 90° wires ed 21179 m²)	
Housing type Cable gland Contacts type Number of contacts Housing colour Fechnical data Type of termination Contacts material Coupling nut type A12 coupling nut torque Rated current O-ring material Cable type Cable diameter Cable lenght	Straight 180° Moulded cable Female 3poles Black Contacts to crimp v Brass + Gold flash Knurl round Brass + Nickel plate 0.4 N*m 250V AC/DC 4A NBR PVC/PVC ULstyle 2 Black 3xAWG22 (0.34mm Brown; Blue; Black Ø4.8mm (±0.3) 1m	Angled 90° vires	Straight 180° Moulded cable Female 4poles Black Contacts to crimp v Brass+Gold flash Knurl round Brass+Nickel plate 0.4 N*m 250V AC/DC 4A NBR PVC/PVC ULstyle 2 Black 4xAWG22 (0.34mr Brown; White; Blue ø5.2mm (±0.3) 1m	Angled 90° wires d 1179 n²)	Straight 180° Moulded cable Female 5poles Black Contacts to crimp Brass + Gold flash Knurl round Brass + Nickel plate 0.4 N*m 60V AC/DC 4A NBR PVC/PVC ULstyle 2 Black 5xAWG22 (0.34mi Brown; White; Blue Ø5.8mm (±0.3)	Angled 90° wires ed 21179 m²)	
Part number Housing type Cable gland Contacts type Number of contacts Housing colour Fechnical data Type of termination Contacts material Coupling nut type M12 coupling nut torque Rated current D-ring material Cable type Cable jacket colour No.Conductors / Section Conductor colours Cable diameter Cable lenght Packaging Dther accessories options	Straight 180° Moulded cable Female 3poles Black Contacts to crimp v Brass + Gold flash Knurl round Brass + Nickel plate 0.4 N*m 250V AC/DC 4A NBR PVC/PVC ULstyle 2 Black 3xAWG22 (0.34mm Brown; Blue; Black ø4.8mm (±0.3)	Angled 90° vires	Straight 180° Moulded cable Female 4poles Black Contacts to crimp v Brass + Gold flash Knurl round Brass + Nickel plate 0.4 N*m 250V AC/DC 4A NBR PVC/PVC ULstyle 2 Black 4xAWG22 (0.34mr Brown; White; Blue ø5.2mm (±0.3)	Angled 90° wires d 1179 n²)	Straight 180° Moulded cable Female 5poles Black Contacts to crimp Brass + Gold flash Knurl round Brass + Nickel plate 0.4 N*m 60V AC/DC 4A NBR PVC/PVC ULstyle 2 Black 5xAWG22 (0.34mi Brown; White; Blue Ø5.8mm (±0.3)	Angled 90° wires ed 21179 m²)	



Moulded cable connectors - A-coded

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		1. • 4. 3				1 5 4 3	
Product descriptio	n						
circular connector v		Circular connector v	ith moulded cable	Circular connector	with moulded cable	Circular connector w	vith moulded cable
EC 61076-2-101 / I	JL approved	IEC 61076-2-101 / I	JL approved	IEC 61076-2-101 /	UL approved	IEC 61076-2-101 / U	JL approved
/12 A-Coded		M12 A-Coded		M12 A-Coded		M12 A-Coded	
Circular connector N with moulded cable	/12 series,ULapproved,		112 series,ULapproved,) with moulded cable		W12 series,ULapproved, D with moulded cable		112 series,ULapproved,) with moulded cable
2FD8S1Z-UL	12FA8S1Z-UL	12FJ331Z-UL	12FV331Z-UL	12FJ431Z-UL	12FV431Z-UL	12FJ531Z-UL	12FV531Z-UL
traight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°
loulded cable		Moulded cable		Moulded cable		Moulded cable	
emale		Female		Female		Female	
poles		3poles		4poles		5poles	
ack		Black		Black		Black	
echnical data							
ontacts to solder w	vires	Contacts to crimp w	ires	Contacts to crimp v	vires	Contacts to crimp w	ires
rass+Gold flash		Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
inurl round		Knurl round		Knurl round		Knurl round	
rass+Nickel plated		Brass+Nickel plated		Brass+Nickel plate	d	Brass+Nickel plated	
.4 N*m		0.4 N*m		0.4 N*m		0.4 N*m	
OV AC/DC		250V AC/DC		250V AC/DC		60V AC/DC	
A		4A		4A		4A	
IBR		NBR		NBR		NBR	
VC/PVC ULstyle 21	179	PVC/PVC ULstyle 21	179 SHIELDED	PVC/PVC ULstyle 2	1179 SHIELDED	PVC/PVC ULstyle 21	179 SHIELDED
lack		Black		Black	-	Black	
xAWG24 (0.25mm		3xAWG22 (0.34mm	2)	4xAWG22 (0.34mm		5xAWG22 (0.34mm	,
	Yellow;Grey;Pink;Blue;Red			Brown; White; Blue;	Black	Brown; White; Blue;	Black; Grey
6mm (±0.3)		øn.a. (±0.3)		ø5.5 (±0.3)		ø6mm (±0.3)	
m		1m		1m		1m	
Packaging							
pc / bag		1 pc / bag		1 pc / bag		1 pc / bag	
ther accessories							
See accessories se	ection						
lotes:							

Moulded cable connectors - A-coded



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echnical drawing				
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M12X1		\leftarrow		
ø14	6 `4			
Product description				
Connector type	Circular connector w	ith moulded cable		
Conforms to	IEC 61076-2-101 / U	L approved		
Construction type	M12 A-Coded			
Description	Circular connector M	12 series, ULapproved,		
	with moulded cable			
Part number	12FJ8P1Z-UL	12FV8P1Z-UL		
Housing type	Straight 180°	Angled 90°		
Cable gland	Moulded cable			
Contacts type	Female			
Number of contacts	8poles			
Housing colour	Black			
lechnical data			1	
Type of termination	Contacts to solder wi	ires		
Contacts material	Brass+Gold flash			
Coupling nut type	Knurl round			
M12 coupling nut material M12 coupling nut torque	Brass+Nickel plated 0.4 N*m			
Rated voltage	30V AC/DC			
Rated current	2A			
D-ring material	NBR			
Cable type	PVC/PVC ULstyle 21			
Cable jacket colour	Black			
No.Conductors / Section	8xAWG24 (0.25mm ²)		
Conductor colours		, ellow;Grey;Pink;Blue;Rec	1	
Cable diameter	ø n.a. (±0.3)	,		
Cable lenght	1m			
Packaging			1	1
Qty/Bag	1 pc / bag			
Other accessories options			1	1
See accessories section				
lotes: Connectors available with different feautur				



Moulded cable connectors - A-coded

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			•• ••	2	• • • • • • • • • • • • • • • • • • •	2
37,50 31,10						
Product description						
Connector type	Circular connector	vith moulded cable	Circular connector	with moulded cable	Circular connector	with moulded cable
Conforms to	IEC 61076-2-101 /		IEC 61076-2-101 / UL approved		IEC 61076-2-101 /	UL approved
Construction type	M12 A-Coded		M12 A-Coded		M12 A-Coded	
Description	Circular connector I with moulded cable	M12 series,ULapproved,	Circular connector M12 series,ULapproved, with moulded cable		Circular connector M12 series, ULapprover with moulded cable	
Part number	12MD3I1Z-UL	12MA3I1Z-UL	12MD4I1Z-UL	12MA4I1Z-UL	12MD5I1Z-UL	12MA5I1Z-UL
lousing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°
able gland	Moulded cable		Moulded cable		Moulded cable	
ontacts type	Male		Male		Male	
umber of contacts	3poles		4poles		5poles	
ousing colour	Black		Black		Black	
echnical data						
ype of termination	Contacts to crimp w	rires	Contacts to crimp v	vires	Contacts to crimp v	vires
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Knurl round		Knurl round		Knurl round	
112 coupling nut material	Brass+Nickel plate	t	Brass+Nickel plate	d	Brass+Nickel plate	d
/12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	250V AC/DC		250V AC/DC		60V AC/DC	
Rated current	4A		4A		4A	
)-ring material	-		-		-	
	PVC/PVC ULstyle 2	1179	PVC/PVC ULstyle 2	1179	PVC/PVC ULstyle 2	1179
Cable type	Black		Black		Black	
	Black		4xAWG22 (0.34mm	1 ²)	5xAWG22 (0.34mn	1 ²)
able jacket colour	3xAWG22 (0.34mm	²)			Brown; White; Blue; Black; Grey	
able jacket colour Io.Conductors / Section		²)	Brown; White; Blue;	Black	Brown; White; Blue	, Black, Grey
cable jacket colour Io.Conductors / Section Conductor colours	3xAWG22 (0.34mm	2)	Brown; White; Blue; ø5.2mm (±0.3)	Black	Brown; White; Blue ø5.8mm (±0.3)	; Black; Grey
Cable jacket colour Io.Conductors / Section Conductor colours Cable diameter	3xAWG22 (0.34mm Brown; Blue; Black	2)		Black		; Black; Grey
Cable jacket colour lo.Conductors / Section Conductor colours Cable diameter Cable lenght	3xAWG22 (0.34mm Brown; Blue; Black ø4.8mm (±0.3)	2)	ø5.2mm (±0.3)	Black	ø5.8mm (±0.3)	; Black; Grey
Cable type Cable jacket colour Lo.Conductors / Section Conductor colours Cable diameter Cable lenght Cackaging Dty/Bag	3xAWG22 (0.34mm Brown; Blue; Black ø4.8mm (±0.3)	22)	ø5.2mm (±0.3)	Black	ø5.8mm (±0.3)	; Black; Grey

Moulded cable connectors - A-coded



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Product description						
Connector type	Circular connector with		Circular connector w		Circular connector w	
Conforms to	IEC 61076-2-101 / UL	approved	IEC 61076-2-101 / L	JL approved	IEC 61076-2-101 / L	JL approved
Construction type Description	M12 A-Coded Circular connector M12 with moulded cable	series,ULapproved,	M12 A-Coded Circular connector M12 series,UL approved, TOTALLY SHIELDED with moulded cable		M12 A-Coded Circular connector M12 series,UL approved TOTALLY SHIELDED with moulded cable	
Part number Housing type	12MD8S1Z-UL Straight 180°	12MA8S1Z-UL Angled 90°	12MJ331Z-UL Straight 180°	12MV331Z-UL Angled 90°	12MJ431Z-UL Straight 180°	12MV431Z-UL Angled 90°
Cable gland	Moulded cable	5	Moulded cable		Moulded cable	
Contacts type	Male		Male		Male	
lumber of contacts	8poles		3poles		4poles	
lousing colour	Black		Black		Black	
echnical data						
Type of termination	Contacts to solder wire	S	Contacts to crimp w	res	Contacts to crimp w	ires
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Knurl round		Knurl round		Knurl round	
M12 coupling nut material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
M12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	30V AC/DC		250V AC/DC		250V AC/DC	
Rated current	2A		4A		4A	
D-ring material	-		-		-	
Cable type	PVC/PVC ULstyle 2117	9	PVC/PVC ULstyle 21	179 SHIELDED	PVC/PVC ULstyle 21	179 SHIELDED
Cable jacket colour	Black		Black		Black	
	8xAWG24 (0.25mm ²)		3xAWG22 (0.34mm	2)	4xAWG22 (0.34mm	
No.Conductors / Section	White;Brown;Green;Yellow;Grey;Pink;Blue;Red		Brown; Blue; Black		Brown; White; Blue;	Black
Conductor colours					ø5.5mm (±0.3)	
Conductor colours Cable diameter	ø6mm (±0.3)		øn.a. (±0.3)		20101111 (2010)	
No.Conductors / Section Conductor colours Cable diameter Cable length			øn.a. (±0.3) 1m		1m	
Conductor colours Cable diameter Cable length ?ackaging	ø6mm (±0.3) 1m		1m		1m	
Conductor colours Cable diameter	ø6mm (±0.3)					



Moulded cable connectors - A-coded

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Product description					
Connector type	Circular connector with moulded cable		Circular connector v		
Conforms to	IEC 61076-2-101 / UL approved		IEC 61076-2-101 /	UL approved	
Construction type	M12 A-Coded		M12 A-Coded		
Description	Circular connector N TOTALLY SHIELDED	12 series,UL approved, with moulded cable	Circular connector M12 series,UL approved, TOTALLY SHIELDED with moulded cable		
Part number	12MJ5F1Z-UL	12MV5F1Z-UL	12MJ8P1Z-UL	12MV8P1Z-UL	
Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	
Cable gland	Moulded cable		Moulded cable		
Contacts type	Male		Male		
Number of contacts	5poles		8poles		
Housing colour	Black		Black		
Fechnical data					
Type of termination	Contacts to crimp wi	res	Contacts to solder w	vires	
Contacts material	Brass+Gold flash		Brass+Gold flash		
Coupling nut type	Knurl round		Knurl round		
W12 coupling nut material	Brass+Nickel plated		Brass+Nickel plated	t	
W12 coupling nut torque	0.4 N*m		0.4 N*m		
Rated voltage	60V AC/DC		30V AC/DC		
Rated current	4A		2A		
0-ring material	- -		-		
Cable type	PVC/PVC ULstyle 21	179 SHIFLDED	PVC/PVC ULstyle 2	1179 SHIFLDED	
Cable jacket colour	Black		Black		
No.Conductors / Section	5xAWG22 (0.34mm ²	2)	8xAWG24 (0.25mm	2)	
Conductor colours	Brown; White; Blue;			Yellow;Grey;Pink;Blue;Red	
Cable diameter	$\emptyset 6mm (\pm 0.3)$	υιαυλ, Οισγ	ø n.a. (± 0.3)	ronow,urey,rinik,blue,ñeu	
Cable lenght	Ø 611111 (±0.3) 1m		Ø 11.a. (±0.3) 1m		
	ani -		m		
Packaging	1 no / hac		1 no / hac		
Qty/Bag	1 pc / bag		1 pc / bag		
Other accessories options					
See accessories section					
Notes:					

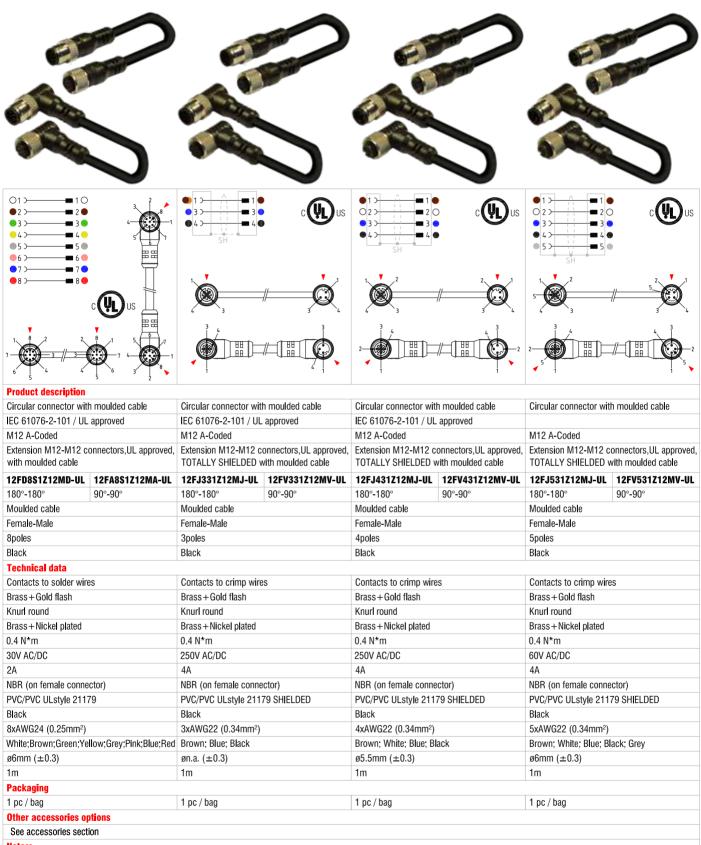
Moulded cable connectors - A-coded



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Product description			1			
Connector type	Circular connector wit	h moulded cable	Circular connector wit	th moulded cable	Circular connector wit	h moulded cable
Conforms to	IEC 61076-2-101 / UL	. approved	IEC 61076-2-101 / UL	_ approved	IEC 61076-2-101 / UL	. approved
Construction type	M12 A-Coded		M12 A-Coded		M12 A-Coded	
Description	Extension M12-M12 c with moulded cable	onnectors,UL approved,	Extension M12-M12 connectors,UL approved with moulded cable		, Extension M12-M12 connectors,UL approvious with moulded cable	
Part number	12FD3I1Z12MD-UL	12FA3I1Z12MA-UL	12FD4I1Z12MD-UL	12FA4I1Z12MA-UL	12FD5I1Z12MD-UL	12FA5I1Z12MA-U
Housing type	180°-180°	90°-90°	180°-180°	90°-90°	180°-180°	90°-90°
Cable gland	Moulded cable		Moulded cable		Moulded cable	
Contacts type	Female-Male		Female-Male		Female-Male	
Number of contacts	3poles		4poles		5poles	
Housing colour	Black		Black		Black	
Fechnical data						
Type of termination	Contacts to crimp wire	es	Contacts to crimp wires		Contacts to crimp wires	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Knurl round		Knurl round		Knurl round	
V12 coupling nut material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
M12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	250V AC/DC		250V AC/DC		60V AC/DC	
Rated current	4A		4A		4A	
0-ring material	NBR (on female conne	,	NBR (on female conne	,	NBR (on female conne	/
Cable type	PVC/PVC ULstyle 211	79	PVC/PVC ULstyle 211	79	PVC/PVC ULstyle 211	79
Cable jacket colour	Black		Black		Black	
No.Conductors / Section	3xAWG22 (0.34mm ²)		4xAWG22 (0.34mm ²)		5xAWG22 (0.34mm ²)	
Conductor colours	Brown; Blue; Black		Brown; White; Blue; B	lack	Brown; White; Blue; B	ack; Grey
Cable diameter	ø4.8mm (±0.3)		ø5.2mm (±0.3)		ø5.8mm (±0.3)	
Cable length	1m		1m		1m	
Packaging						
Qty/Bag	1 pc / bag		1 pc / bag		1 pc / bag	
Other accessories options See accessories section						



Moulded cable connectors - A-coded



Notes:

Connectors available with different feautures: See the general features and codification scheme page

Moulded cable connectors - A-coded



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M12X1					
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Product description	1				
Connector type	Circular connector with moulded cable		Circular connector w	ith moulded cable	
Conforms to	IEC 61076-2-101		IEC 61076-2-101		
Construction type	M12 A-Coded		M12 A-Coded		
Description	Extension M12-M12 TOTALLY SHIELDED		Extension M12-M12 TOTALLY SHIELDED		
Part number	12FJ5F1Z12MJ	12FV5F1Z12MV	12FJ8J1Z12MJ	12FV8J1Z12MV	
Housing type	180°-180°	90°-90°	180°-180°	90°-90°	
Cable gland	Moulded cable		Moulded cable		
Contacts type	Female-Male		Female-Male		
Number of contacts	5poles		8poles		
Housing colour	Black		Black		
Technical data					
Type of termination	Contacts to crimp wi	ires	Contacts to solder w	ires	
Contacts material	Brass+Gold flash		Brass+Gold flash		
Coupling nut type	Knurl round		Knurl round		
M12 coupling nut material	Brass+Nickel plated		Brass+Nickel plated		
M12 coupling nut torque	0.4 N*m		0.4 N*m		
Rated voltage	60V AC/DC		30V AC/DC		
Rated current	4A		2A		
D-ring material	NBR (on female con	nector)	NBR (on female conr	nector)	
Cable type	PVC/PVC CEI2022	,	PVC/PVC CEI2022	,	
Cable jacket colour	Black		Black		
No.Conductors / Section	5x0.34mm ²		8x0.25mm ²		
Conductor colours	Brown; White; Blue;	Black: Grev		/ellow;Grey;Pink;Blue;Red	
Cable diameter	ø6mm (±0.3)	Diaon, dioy	ø6.5mm (±0.3)		
Cable lenght	1m		1m		
Packaging	1111		1111		I
Packaging Qty/Bag	1 pc / bag		1 pc / bag		
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Other accessories options					
See accessories section					
Notes:					



Moulded cable connectors - A-coded

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M12X1						
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roduct description						
connector type	Circular connector w	ith moulded cable	Circular connector v	vith moulded cable	Circular connector v	with moulded cable
Conforms to	IEC 61076-2-101 / L	JL approved	IEC 61076-2-101 /	UL approved	IEC 61076-2-101 /	UL approved
Construction type	M12 A-Coded		M12 A-Coded		M12 A-Coded	
Description	Extension M12-M12 with moulded cable	connectors,UL approved,	Extension M12-M12 connectors,UL approved, with moulded cable		, Extension M12-M12 connectors,UL appro with moulded cable	
art number	12FD331Z12MD	12FA331Z12MA	12FD4I1Z12MD	12FA4I1Z12MA	12FD5I1Z12MD	12FA5I1Z12MA
ousing type	180°-180°	90°-90°	180°-180°	90°-90°	180°-180°	90°-90°
able gland	Moulded cable		Moulded cable		Moulded cable	
ontacts type	Female-Male		Female-Male		Female-Male	
lumber of contacts	3poles		4poles		5poles	
ousing colour	Black		Black		Black	
echnical data						
ype of termination	Contacts to crimp wi	res	Contacts to crimp wires		Contacts to crimp wires	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Knurl round		Knurl round		Knurl round	
/12 coupling nut material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	d
/12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	250V AC/DC		250V AC/DC		60V AC/DC	
Rated current	4A		4A		4A	
)-ring material	NBR (on female conr	,	NBR (on female con	,	NBR (on female cor	,
able type	PVC/PVC ULstyle 21	179	PVC/PVC ULstyle 2	11/9	PVC/PVC ULstyle 2	1179
able jacket colour	Black	N	Black	0)	Black	2)
lo Conductors / Section	3xAWG22 (0.34mm ²	<u>(</u>)	4xAWG22 (0.34mm		5xAWG22 (0.34mm	7
onductor colours	Brown; Blue; Black		Brown; White; Blue;	ыаск	Brown; White; Blue;	Black; Grey
Cable diameter	ø4.8mm (±0.3)		ø5.2mm (±0.3)		ø5.8mm (±0.3)	
able lenght	1m		1m		1m	
Packaging	1 ma / har		1 no (hor		1 no / ho-	
INV/BOO	1 pc / bag		1 pc / bag		1 pc / bag	
Aty/Bag D ther accessories options See accessories section						

Moulded cable connectors - A-coded



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Product description	n						
Circular connector w		Circular connector w	vith moulded cable	Circular connector w	vith moulded cable	Circular connector w	vith moulded cable
IEC 61076-2-101 / L	JL approved	IEC 61076-2-101 / L	JL approved	IEC 61076-2-101 / L	JL approved		
M12 A-Coded		M12 A-Coded		M12 A-Coded		M12 A-Coded	
Extension M12-M12 with moulded cable	connectors,UL approved,	Extension M12-M12 TOTALLY SHIELDED	connectors,UL approved,) with moulded cable		connectors,UL approved,) with moulded cable	Extension M12-M12 connectors,UL appr TOTALLY SHIELDED with moulded cable	
12FD8S1Z12MD	12FA8S1Z12MA	12FJ331Z12MJ	12FV331Z12MV	12FJ431Z12MJ	12FV431Z12MV	12FJ531Z12MJ	12FV531Z12MV
180°-180°	90°-90°	180°-180°	90°-90°	180°-180°	90°-90°	180°-180°	90°-90°
Moulded cable		Moulded cable		Moulded cable		Moulded cable	1
Female-Male		Female-Male		Female-Male Female-Male			
8poles		3poles		4poles		5poles	
Black		Black		Black		Black	
Technical data		Black		Black		Black	
Contacts to solder w	ires	Contacts to crimp w	ires	Contacts to crimp w	ires	Contacts to crimp w	ires
Brass+Gold flash	100	Brass+Gold flash	100	Brass+Gold flash	100	Brass+Gold flash	100
Knurl round		Knurl round		Knurl round		Knurl round	
Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
0.4 N*m		0.4 N*m		0.4 N*m		0.4 N*m	
30V AC/DC		250V AC/DC		250V AC/DC		60V AC/DC	
2A		4A		4A		4A	
NBR (on female con	nector)	NBR (on female con	nector)	NBR (on female con	nector)	NBR (on female con	nector)
PVC/PVC ULstyle 21	,	PVC/PVC ULstyle 21	,	PVC/PVC ULstyle 21	,	PVC/PVC ULstyle 21	,
Black	•	Black	===	Black		Black	
8xAWG24 (0.25mm ²	2)	3xAWG22 (0.34mm	²)	4xAWG22 (0.34mm	2)	5xAWG22 (0.34mm	²)
			,	Brown; White; Blue;	,	Brown; White; Blue;	
ø6mm (±0.3)	, ,,,,,	øn.a. (±0.3)		ø5.5mm (±0.3)		ø6mm (±0.3)	
1m		1m		1m		1m	
Packaging		1		1		1	
1 pc / bag		1 pc / bag		1 pc / bag		1 pc / bag	
Other accessories	options			r-,a		r - r	
See accessories se							
Notes:	· · · · · · · · · · · · · · · · · · ·						



Moulded cable connectors - A-coded

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Product description	2	<u> </u>		
Connector type	Circular connector with	n moulded cable		
Conforms to				
Construction type	M12 A-Coded			
Description	Extension M12-M12 c TOTALLY SHIELDED v	onnectors,UL approved, /ith moulded cable		
Part number	12FJ8P1Z12MJ-UL			
lousing type	180°-180°	90°-90°		
able gland	Moulded cable			
ontacts type	Female-Male			
umber of contacts	8poles			
ousing colour	Black			
	DIAGN			
echnical data	Contacts to solder wire			
ype of termination	Brass+Gold flash	5		
Contacts material				
Coupling nut type	Knurl round			
M12 coupling nut material	Brass+Nickel plated			
M12 coupling nut torque	0.4 N*m			
Rated voltage	30V AC/DC			
Rated current	2A	-1 - A		
D-ring material	NBR (on female conne			
Cable type	PVC/PVC ULstyle2117	9 SHIELDED		
able jacket colour	Black			
Io.Conductors / Section	8xAWG24 (0.25mm ²)	• • • • • •		
onductor colours		llow;Grey;Pink;Blue;Red		
able diameter	ø n.a. (±0.3)			
able lenght	1m			
ackaging			1	
0ty/Bag	1 pc / bag			
Other accessories options				
See accessories section				
Notes: Connectors available with different feautures: See the general features and codification sche See the cables list section	eme page			

Moulded cable connectors - B-coded



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Product description						
Connector type	Circular connector with	n moulded cable	Circular connector wit	h moulded cable	Circular connector w	ith moulded cable
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 B-Coded		M12 B-Coded		M12 B-Coded	
Description	Circular connector M1 TOTALLY SHIELDED,w		Circular connector M1 TOTALLY SHIELDED, v		Extension M12-M12 TOTALLY SHIELDED	connectors,B-coded, ,with moulded cable
Part number	B-12FJ5T1Z-K6-IS	B-12FV5T1Z-K6-IS	B-12MJ5T1Z-K6-IS	B-12MV5T1Z-K6-IS	B-12FJ5T1Z12MJ-K6-	IS B-12FV5T1Z12MV-K6-IS
Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°
Cable gland	Moulded cable		Moulded cable		Moulded cable	
Contacts type	Female		Male		Female-Male	
Number of contacts	5poles		5poles		5poles	
Housing colour	Black		Black		Black	
Technical data						
Type of termination	Contacts to crimp wire	S	Contacts to crimp wire	es	Contacts to crimp with	res
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Knurl round		Knurl round		Knurl round	
M12 coupling nut material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
	0.4 N*m		0.4 N*m		0.4 N*m	
					60V AC/DC	
Rated voltage	60V AC/DC		60V AC/DC			
Rated voltage Rated current	60V AC/DC 4A		60V AC/DC 4A		4A	
Rated voltage Rated current O-ring material	60V AC/DC 4A NBR		60V AC/DC 4A -		4A NBR (on female con	,
Rated voltage Rated current O-ring material Cable type	60V AC/DC 4A NBR PUR PROFIBUS UL444	I SHIELDED HIGH FLEX	60V AC/DC 4A - PUR PROFIBUS UL44	4 SHIELDED HIGH FLEX	4A NBR (on female con PUR PROFIBUS UL4	,
Rated voltage Rated current O-ring material Cable type Cable jacket colour	60V AC/DC 4A NBR PUR PROFIBUS UL444 Violet RAL4001		60V AC/DC 4A - PUR PROFIBUS UL44 Violet RAL4001		4A NBR (on female con PUR PROFIBUS UL4 Violet RAL4001	44 SHIELDED HIGH FLEX
Rated voltage Rated current O-ring material Cable type Cable jacket colour No.Conductors / Section	60V AC/DC 4A NBR PUR PROFIBUS UL444 Violet RAL4001 1x2xAWG24(0.25mm ²		60V AC/DC 4A - PUR PROFIBUS UL44 Violet RAL4001 1x2xAWG24(0.25mm		4A NBR (on female con PUR PROFIBUS UL4 Violet RAL4001 1x2xAWG24(0.25mr	44 SHIELDED HIGH FLEX
Rated voltage Rated current O-ring material Cable type Cable jacket colour No.Conductors / Section Conductor colours	60V AC/DC 4A NBR PUR PROFIBUS UL444 Violet RAL4001 1x2xAWG24(0.25mm ² Red; Green		60V AC/DC 4A - PUR PROFIBUS UL44 Violet RAL4001 1x2xAWG24(0.25mm Red; Green		4A NBR (on female con PUR PROFIBUS UL4 Violet RAL4001 1x2xAWG24(0.25mr Red; Green	44 SHIELDED HIGH FLEX
Rated voltage Rated current O-ring material Cable type Cable jacket colour No.Conductors / Section Conductor colours Cable diameter	60V AC/DC 4A NBR PUR PROFIBUS UL444 Violet RAL4001 1x2xAWG24(0.25mm ² Red; Green ø8.2mm (±0.3)		60V AC/DC 4A - PUR PROFIBUS UL44 Violet RAL4001 1x2xAWG24(0.25mm Red; Green ø8.2mm (±0.3)		4A NBR (on female con PUR PROFIBUS UL4 Violet RAL4001 1x2xAWG24(0.25mr Red; Green ø8.2mm (±0.3)	44 SHIELDED HIGH FLEX
Rated voltage Rated current O-ring material Cable type Cable jacket colour No.Conductors / Section Conductor colours Cable diameter Cable length	60V AC/DC 4A NBR PUR PROFIBUS UL444 Violet RAL4001 1x2xAWG24(0.25mm ² Red; Green		60V AC/DC 4A - PUR PROFIBUS UL44 Violet RAL4001 1x2xAWG24(0.25mm Red; Green		4A NBR (on female con PUR PROFIBUS UL4 Violet RAL4001 1x2xAWG24(0.25mr Red; Green	44 SHIELDED HIGH FLEX
Rated voltage Rated current O-ring material Cable type Cable jacket colour No.Conductors / Section Conductor colours Cable diameter Cable length Packaging	60V AC/DC 4A NBR PUR PROFIBUS UL444 Violet RAL4001 1x2xAWG24(0.25mm ² Red; Green ø8.2mm (±0.3) 1m		60V AC/DC 4A - PUR PROFIBUS UL44 Violet RAL4001 1x2xAWG24(0.25mm Red; Green ø8.2mm (±0.3) 1m		4A NBR (on female con PUR PROFIBUS UL4 Violet RAL4001 1x2xAWG24(0.25mr Red; Green ø8.2mm (±0.3) 1m	44 SHIELDED HIGH FLEX
Rated voltage Rated current O-ring material Cable type Cable jacket colour No.Conductors / Section Conductor colours Cable diameter Cable length Packaging Qty/Bag	60V AC/DC 4A NBR PUR PROFIBUS UL444 Violet RAL4001 1x2xAWG24(0.25mm ² Red; Green ø8.2mm (±0.3)		60V AC/DC 4A - PUR PROFIBUS UL44 Violet RAL4001 1x2xAWG24(0.25mm Red; Green ø8.2mm (±0.3)		4A NBR (on female con PUR PROFIBUS UL4 Violet RAL4001 1x2xAWG24(0.25mr Red; Green ø8.2mm (±0.3)	44 SHIELDED HIGH FLEX
M12 coupling nut torque Rated voltage Rated current O-ring material Cable type Cable jacket colour No.Conductors / Section Conductor colours Cable diameter Cable length Packaging Qty/Bag Other accessories options See accessories section	60V AC/DC 4A NBR PUR PROFIBUS UL444 Violet RAL4001 1x2xAWG24(0.25mm ² Red; Green ø8.2mm (±0.3) 1m		60V AC/DC 4A - PUR PROFIBUS UL44 Violet RAL4001 1x2xAWG24(0.25mm Red; Green ø8.2mm (±0.3) 1m		4A NBR (on female con PUR PROFIBUS UL4 Violet RAL4001 1x2xAWG24(0.25mr Red; Green ø8.2mm (±0.3) 1m	44 SHIELDED HIGH FLEX



Moulded cable connectors - B-coded

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1 5- 4 3		5				
Product description	l					
Circular connector wit	h moulded cable	Circular connector wit	h moulded cable	Circular connector	with moulded cable	
IEC 61076-2-101 / UL	. approved	IEC 61076-2-101 / UL	. approved	IEC 61076-2-101 /	UL approved	
M12 B-Coded		M12 B-Coded		M12 B-Coded		
Circular connector M1 TOTALLY SHIELDED, v		Circular connector M1 TOTALLY SHIELDED,			2 connectors,B-coded, D,with moulded cable	
B-12FJ5T1Z-K6-UL	B-12FV5T1Z-K6-UL	B-12MJ5T1Z-K6-UL	B-12MV5T1Z-K6-UL	B-12FJ5T1Z12MJ-K6-	UL B-12FV5T1Z12MV-K6-UL	
Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°	
Moulded cable		Moulded cable		Moulded cable		
Female		Male		Female-Male		
5poles		5poles		5poles		
Black		Black		Black		
Technical data				1		
Contacts to crimp wire	s	Contacts to crimp wire	25	Contacts to crimp w	vires	
Brass+Gold flash		Brass+Gold flash		Brass+Gold flash		
Knurl round		Knurl round		Knurl round		
Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plate	d	
0.4 N*m		0.4 N*m		0.4 N*m	-	
60V AC/DC		60V AC/DC		60V AC/DC		
4A		4A		4A		
NBR		- -		NBR (on female cor	apactor)	
	4 SHIELDED HIGH FLEX		4 SHIELDED HIGH FLEX		444 SHIELDED HIGH FLEX	
Violet RAL4001		Violet RAL4001		Violet RAL4001	ידיד טרוובבטבט רוומח דבבא	
1x2xAWG24(0.25mm ²	2)	1x2xAWG24(0.25mm ²	2)	1x2xAWG24(0.25m	m2)	
	7	Red; Green	7)	1x2xAWG24(0.25m Red; Green	···· <i>)</i>	
Red; Green		,		,		
ø8.2mm (±0.3)		ø8.2mm (±0.3)		ø8.2mm (±0.3)		
1m Reclaring		1m		1m		
Packaging		4		4		
1 pc / bag		1 pc / bag		1 pc / bag		
Other accessories of						
See accessories sect	ion					
Notes: Connectors available See the general featu See the cables list se	with different feautures: res and codification sche ction	me page				

Moulded cable connectors - C-coded / Panel mount connectors C-coded



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Technical drawing						
		3	013.3 HIZX1 Sg	#13,3 H12X1 R	P69 013.3 H12X1 0 0 0 0 0 0 0 0 0 0 0 0 0	PG9 013.3 M12X1 0 0 0 0 0 0 0 0 0 0 0 0 0
2 3 0 	3 2 1(P.E.)		P60 52			
Product description						
Connector type	Circular connector w	vith moulded cable	Circular connector pa	nel mount	Circular connector par	iel mount
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 C-Coded		M12 C-Coded		M12 C-Coded	
Description	Circular connector N with moulded cable	/12 series,C-coded,	Circular connector M panel mount	12 series,C-coded,	Circular connector M1 panel mount, with PVC	
Part number	C-12MD3011Z	C-12MA3011Z	C-12FP3000-PG9	C-12FR3000-PG9	C-12FP3010C-PG9	C-12FR3010C-PG9
Housing type	Straight 180°	Angled 90°	Frontal panel side	Back panel side	Frontal panel side	Back panel side
Cable gland	Moulded cable		PG9 (fixing thread)		PG9 (fixing thread)	
Contacts type	Male		Female		Female	
Number of contacts	3poles		3poles		3poles	
Housing colour	Black		-		-	
Technical data						
Type of termination	Contacts to crimp w	ires	Contacts to solder wi	res	Contacts to solder wire	26
Contacts material	Brass+Gold flash	100	Brass+Gold flash	100	Brass+Gold flash	55
Coupling nut type	Knurl round		Brass+Nickel plated		Brass+Nickel plated	
M12 coupling nut material	Brass+Nickel plated	1	Brass+Nickel plated	(SW17)	Brass+Nickel plated (SW17)
M12 coupling nut torque	0.4 N*m	•	0.4 N*m	()	0.4 N*m	,
Rated voltage	250V AC/DC		250V AC / DC		250V AC / DC	
Rated current	4A		4A		4A	
O-ring material	-		NBR		NBR	
Cable type	- PVC/PVC CEI2022		-		PVC	
					FVU	
Cable jacket colour	Black 3x0.5mm ²		-		- 3 x 0.5mm ²	
No.Conductors / Section		(Croop	-			
Conductor colours	Brown; Blue; Yellow/	GIEEN	-		Brown; Blue; Yellow/G	ieeli
Cable diameter	ø5mm (±0.3)		-		0.3m	
Cable length	1m					
Qty/Bag	1 pc / bag		Not defined		Not defined	
Qty/Bag Other accessories options	1 pc / bag		Not defined		Not defined	
Packaging Qty/Bag Other accessories options See accessories section Notes:	1 pc / bag		Not defined		Not defined	



Moulded cable connectors - D-coded

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<u>M12X1</u> 					1	1 1
Product description						
Connector type	Circular connector with	moulded cable	Circular connector v	vith moulded cable	Circular connector w	vith moulded cable
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 D-Coded		M12 D-Coded		M12 D-Coded	
Description	Circular connector M12 TOTALLY SHIELDED,w		Circular connector N TOTALLY SHIELDED	/12 series,D-coded,),with moulded cable		connectors,D-coded,),with moulded cable
Part number	D-12FJ4401Z-K6-IS	D-12FV4401Z-K6-IS	D-12MJ4401Z-K6-	IS D-12MV4401Z-K6-IS	D-12MJ4401Z12FJ-K6	-IS D-12MV4401Z12FV-K6-
lousing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°
Cable gland	Moulded cable		Moulded cable		Moulded cable	
Contacts type	Female		Male		Female-Male	
Number of contacts	4poles		4poles		4poles	
lousing colour	Black		Black		Black	
echnical data					1	
Type of termination	Contacts to crimp wire	8	Contacts to crimp w	ires	Contacts to crimp w	ires
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Knurl round		Knurl round		Knurl round	
W12 coupling nut material	Brass+Nickel plated		Brass+Nickel plated	1	Brass+Nickel plated	
W12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	250V AC/DC		250V AC/DC		250V AC/DC	
Rated current	4A		4A		4A	
D-ring material	NBR		-		NBR (on female con	,
Cable type	PUR CAT.5E UL21576	SHIELDED HIGH FLEX		76 SHIELDED HIGH FLEX		76 SHIELDED HIGH FLEX
Cable jacket colour	Green RAL6018		Green RAL6018		Green RAL6018	
No.Conductors / Section	1x4xAWG22(0.34mm ²)		1x4xAWG22(0.34m	,	1x4xAWG22(0.34mi	,
Conductor colours	Yellow; White; Orange;	DING	Yellow; White; Orang	ye, Blue	Yellow; White; Orang	je; Blue
Cable diameter	ø6.7mm (±0.3) 1m		ø6.7mm (±0.3) 1m		ø6.7mm (±0.3) 1m	
Cable length Packaging	100		1111		1111	
r avnadilly	1 no / hog		1 pc / bag		1 pc / bag	
					i pu / bug	
Qty/Bag	1 pc / bag		. po / bag			
Oty/Bag Other accessories options See accessories section	T pc / bag					

Moulded cable connectors - D-coded



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M12×1 814			
I++I			
roduct description		1	
onnector type	Circular connector with moulded cable	Circular connector with moulded cable	Circular connector with moulded cable
Conforms to	IEC 61076-2-101 / UL approved	IEC 61076-2-101 / UL approved	IEC 61076-2-101 / UL approved
Construction type	M12 D-Coded	M12 D-Coded	M12 D-Coded
Description	Circular connector M12 series, D-coded, UL,	Circular connector M12 series,D-coded,UL,	Extension M12-M12 connectors, D-coded,
	TOTALLY SHIELDED, with moulded cable	TOTALLY SHIELDED, with moulded cable	TOTALLY SHIELDED, with moulded cable
Part number	D-12FJ4661Z-K6-UL D-12FV4661Z-K6-UL	D-12MJ4661Z-K6-ULD-12MV4661Z-K6-UL	D-12FJ4661Z12MJ-UL D-12FV4661Z12MV-
lousing type	Straight 180° Angled 90°	Straight 180° Angled 90°	Straight 180° Angled 90°
Cable gland	Moulded cable	Moulded cable	Moulded cable
Contacts type	Female	Male	Female-Male
lumber of contacts	4poles	4poles	4poles
lousing colour	Black	Black	Black
echnical data			
ype of termination	Contacts to crimp wires	Contacts to crimp wires	Contacts to crimp wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Coupling nut type	Knurl round	Knurl round	Knurl round
A12 coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
A12 coupling nut torque	0.4 N*m	0.4 N*m	0.4 N*m
	0.4 11		250V AC/DC
	2501/ 40/00		
Rated voltage	250V AC/DC	250V AC/DC	
Rated voltage	4A	4A	4A
Rated voltage Rated current D-ring material	4A NBR	4A -	4A NBR (on female connector)
Rated voltage Rated current D-ring material Cable type	4A NBR PUR CAT.5E UL21576 SHIELDED HIGH FLEX	4A - PUR CAT.5E UL21576 SHIELDED HIGH FLEX	4A NBR (on female connector) PUR CAT.5E UL21576 SHIELDED HIGH FL
Rated voltage Rated current D-ring material Cable type Cable jacket colour	4A NBR PUR CAT.5E UL21576 SHIELDED HIGH FLEX Green RAL6016	4A - PUR CAT.5E UL21576 SHIELDED HIGH FLEX Green RAL6016	4A NBR (on female connector) PUR CAT.5E UL21576 SHIELDED HIGH FL Green RAL6016
Rated voltage Rated current D-ring material Cable type Cable jacket colour Io.Conductors / Section	4A NBR PUR CAT.5E UL21576 SHIELDED HIGH FLEX Green RAL6016 2x2xAWG24(0.25mm ²)	4A - PUR CAT.5E UL21576 SHIELDED HIGH FLEX Green RAL6016 2x2xAWG24(0.25mm ²)	4A NBR (on female connector) PUR CAT.5E UL21576 SHIELDED HIGH FL Green RAL6016 2x2xAWG24(0.25mm ²)
Rated voltage Rated current D-ring material Cable type Cable jacket colour Io.Conductors / Section Conductor colours	4A NBR PUR CAT.5E UL21576 SHIELDED HIGH FLEX Green RAL6016 2x2xAWG24(0.25mm ²) Orange; White/Orange; Blue; White/Blue	4A - PUR CAT.5E UL21576 SHIELDED HIGH FLEX Green RAL6016 2x2xAWG24(0.25mm ²) Orange; White/Orange; Blue; White/Blue	4A NBR (on female connector) PUR CAT.5E UL21576 SHIELDED HIGH FL Green RAL6016 2x2xAWG24(0.25mm ²) Orange; White/Orange; Blue; White/Blue
Aated voltage Aated current D-ring material Cable type Cable jacket colour Io.Conductors / Section Conductor colours Cable diameter	4A NBR PUR CAT.5E UL21576 SHIELDED HIGH FLEX Green RAL6016 2x2xAWG24(0.25mm ²) Orange; White/Orange; Blue; White/Blue ø6mm (±0.3)	4A - PUR CAT.5E UL21576 SHIELDED HIGH FLEX Green RAL6016 2x2xAWG24(0.25mm ²) Orange; White/Orange; Blue; White/Blue ø6mm (±0.3)	4A NBR (on female connector) PUR CAT.5E UL21576 SHIELDED HIGH FL Green RAL6016 2x2xAWG24(0.25mm ²) Orange; White/Orange; Blue; White/Blue ø6mm (±0.3)
Rated voltage Rated current D-ring material Cable type Cable jacket colour No.Conductors / Section Conductor colours Cable diameter Cable lenght	4A NBR PUR CAT.5E UL21576 SHIELDED HIGH FLEX Green RAL6016 2x2xAWG24(0.25mm ²) Orange; White/Orange; Blue; White/Blue	4A - PUR CAT.5E UL21576 SHIELDED HIGH FLEX Green RAL6016 2x2xAWG24(0.25mm ²) Orange; White/Orange; Blue; White/Blue	4A NBR (on female connector) PUR CAT.5E UL21576 SHIELDED HIGH FL Green RAL6016 2x2xAWG24(0.25mm ²) Orange; White/Orange; Blue; White/Blue
Aated voltage Aated current D-ring material Cable type Cable jacket colour Lo.Conductors / Section Conductor colours Cable diameter Cable lenght Packaging	4A NBR PUR CAT.5E UL21576 SHIELDED HIGH FLEX Green RAL6016 2x2xAWG24(0.25mm ²) Orange; White/Orange; Blue; White/Blue ø6mm (±0.3) 1m	4A - PUR CAT.5E UL21576 SHIELDED HIGH FLEX Green RAL6016 2x2xAWG24(0.25mm ²) Orange; White/Orange; Blue; White/Blue ø6mm (±0.3) 1m	4A NBR (on female connector) PUR CAT.5E UL21576 SHIELDED HIGH FL Green RAL6016 2x2xAWG24(0.25mm ²) Orange; White/Orange; Blue; White/Blue ø6mm (±0.3) 1m
tated voltage tated current I-ring material cable type cable jacket colour Io.Conductors / Section Conductor colours cable diameter cable lenght	4A NBR PUR CAT.5E UL21576 SHIELDED HIGH FLEX Green RAL6016 2x2xAWG24(0.25mm ²) Orange; White/Orange; Blue; White/Blue ø6mm (±0.3)	4A - PUR CAT.5E UL21576 SHIELDED HIGH FLEX Green RAL6016 2x2xAWG24(0.25mm ²) Orange; White/Orange; Blue; White/Blue ø6mm (±0.3)	4A NBR (on female connector) PUR CAT.5E UL21576 SHIELDED HIGH FL Green RAL6016 2x2xAWG24(0.25mm ²) Orange; White/Orange; Blue; White/Blue ø6mm (±0.3)
ated voltage ated current I-ring material able type able jacket colour Io. Conductors / Section conductor colours able diameter able lenght ackaging	4A NBR PUR CAT.5E UL21576 SHIELDED HIGH FLEX Green RAL6016 2x2xAWG24(0.25mm ²) Orange; White/Orange; Blue; White/Blue ø6mm (±0.3) 1m	4A - PUR CAT.5E UL21576 SHIELDED HIGH FLEX Green RAL6016 2x2xAWG24(0.25mm ²) Orange; White/Orange; Blue; White/Blue ø6mm (±0.3) 1m	4A NBR (on female connector) PUR CAT.5E UL21576 SHIELDED HIGH FL Green RAL6016 2x2xAWG24(0.25mm ²) Orange; White/Orange; Blue; White/Blue ø6mm (±0.3) 1m
ated voltage ated current -ring material able type able jacket colour o.Conductors / Section onductor colours able diameter able lenght ackaging ty/Bag	4A NBR PUR CAT.5E UL21576 SHIELDED HIGH FLEX Green RAL6016 2x2xAWG24(0.25mm ²) Orange; White/Orange; Blue; White/Blue ø6mm (±0.3) 1m	4A - PUR CAT.5E UL21576 SHIELDED HIGH FLEX Green RAL6016 2x2xAWG24(0.25mm ²) Orange; White/Orange; Blue; White/Blue ø6mm (±0.3) 1m	4A NBR (on female connector) PUR CAT.5E UL21576 SHIELDED HIGH FL Green RAL6016 2x2xAWG24(0.25mm ²) Orange; White/Orange; Blue; White/Blue ø6mm (±0.3) 1m

See the cables list section

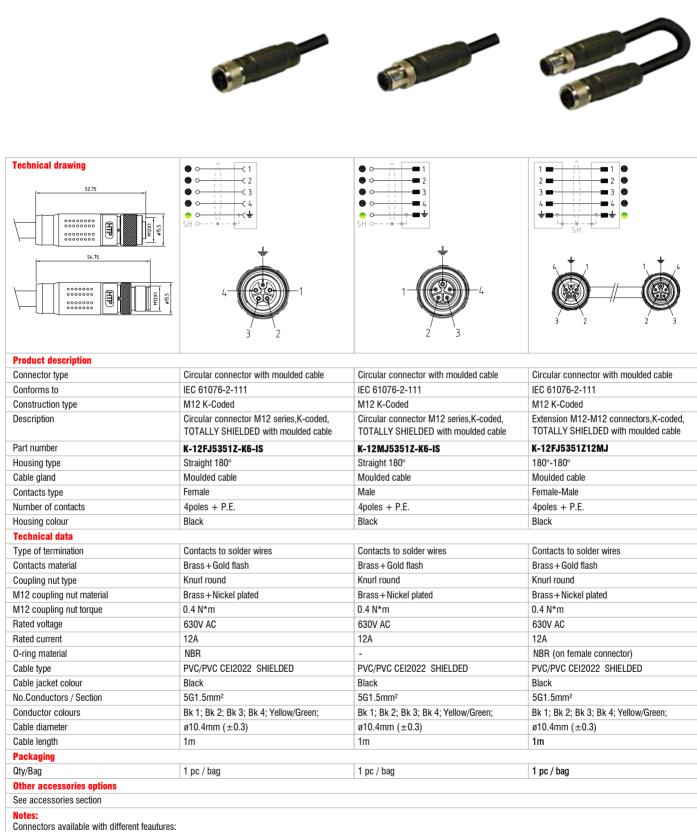
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Moulded cable connectors - K-coded

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roduct description onnector type	Circular connector with moulded cable	Circular connector with moulded cable	Circular connector with moulded cable
onforms to	IEC 61076-2-111	IEC 61076-2-111	IEC 61076-2-111
onstruction type	M12 K-Coded	M12 K-Coded	M12 K-Coded
escription	Circular connector M12 series,K-coded,	Circular connector M12 series,K-coded,	Extension M12-M12 connectors,K-coded
ocompany	with moulded cable	with moulded cable	with moulded cable
art number	K-12FD5461Z	K-12MD5461Z	K-12FD5461Z12MD
ousing type	Straight 180°	Straight 180°	180°-180°
able gland	Moulded cable	Moulded cable	Moulded cable
ontacts type	Female	Male	Female-Male
umber of contacts	4poles + P.E.	4poles + P.E.	4poles + P.E.
ousing colour	Black	Black	Black
echnical data			
/pe of termination	Contacts to solder wires	Contacts to solder wires	Contacts to solder wires
ontacts material	Brass+Gold flash	Brass + Gold flash	Brass+Gold flash
oupling nut type	Knurl round	Knurl round	Knurl round
12 coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
12 coupling nut torque	0.4 N*m	0.4 N*m	0.4 N*m
ated voltage	630V AC	630V AC	630V AC
ated current	12A	12A	12A
-ring material	NBR		NBR (on female connector)
able type	PVC/PVC CEI2022	PVC/PVC CEI2022 Black	PVC/PVC CEI2022 Black
able jacket colour b.Conductors / Section	Black 5G1.5mm ²	5G1.5mm ²	5G1.5mm ²
onductor colours	Bk 1; Bk 2; Bk 3; Bk 4; Yellow/Green;	Bk 1; Bk 2; Bk 3; Bk 4; Yellow/Green;	Bk 1; Bk 2; Bk 3; Bk 4; Yellow/Green;
able diameter	ø10mm (±0.3)	ø10mm (±0.3)	ø10mm (±0.3)
able length	1m	1m	1m
ackaging			
ty/Bag	1 pc / bag	1 pc / bag	1 pc / bag
ther accessories options			
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Moulded cable connectors - K-coded



See the general features and codification scheme page



Moulded cable connectors - L-coded

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roduct description			
onnector type	Circular connector with moulded cable	Circular connector with moulded cable	Circular connector with moulded cable
onforms to	IEC 61076-2-111	IEC 61076-2-111 M12 L-Coded	IEC 61076-2-111 M12 L-Coded
Construction type Description	M12 L-Coded Circular connector M12 series,L-coded,	Circular connector M12 series,L-coded,	Extension M12-M12 connectors,L-code
C2011h11011	with moulded cable	with moulded cable	with moulded cable
art number	L-12FD5731Z	L-12MD5731Z	L-12FD5731Z12MD
lousing type	Straight 180°	Straight 180°	180°-180°
able gland	Moulded cable	Moulded cable	Moulded cable
ontacts type	Female	Male	Female-Male
lumber of contacts	4poles + F.E.	4poles + F.E.	4poles + F.E.
lousing colour	Black	Black	Black
echnical data			
ype of termination	Contacts to solder wires	Contacts to solder wires	Contacts to solder wires
ontacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
oupling nut type	Knurl round	Knurl round	Knurl round
112 coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
112 coupling nut torque	0.4 N*m	0.4 N*m	0.4 N*m
ated voltage ated current	63V DC 16A	63V DC 16A	63V DC 16A
-ring material	NBR		NBR (on female connector)
able type	PVC/PVC CEI2022	PVC/PVC CEI2022	PVC/PVC CEI2022
able jacket colour	Black	Black	Black
o.Conductors / Section	5x1.5mm ²	5x1.5mm ²	5x1.5mm ²
onductor colours	Brown; White; Blue; Black; Grey;	Brown; White; Blue; Black; Grey;	Brown; White; Blue; Black; Grey;
able diameter	ø10mm (±0.3)	ø10mm (±0.3)	ø10mm (±0.3)
able length	1m	1m	1m
ackaging			
	1 pc / bag	1 pc / bag	1 pc / bag
ty/Bag		· · · · · · · · · · · · · · · · · · ·	
Dty/Bag Dther accessories options See accessories section			

M12 CIRCULAR CONNECTORS Moulded cable connectors - L-coded

® W HIGH TECH PRODUCTS S.R.L.

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3 Z	2 5	
Circular connector with moulded cable	Circular connector with moulded cable	Circular connector with moulded cable
IEC 61076-2-111	IEC 61076-2-111	IEC 61076-2-111
M12 L-Coded	M12 L-Coded	M12 L-Coded
Circular connector M12 series,L-coded,	Circular connector M12 series,L-coded,	Extension M12-M12 connectors,L-code
TOTALLY SHIELDED with moulded cable	TOTALLY SHIELDED with moulded cable	TOTALLY SHIELDED with moulded cable
L-12FJ5701Z-K6-IS	L-12MJ5701Z-K6-IS	L-12FJ5701Z12MJ
	•	180°-180°
		Moulded cable
		Female-Male
		4poles +F.E.
Black	Black	Black
		Contacts to solder wires
		Brass+Gold flash
		Knurl round
· · · · · · · · · · · · · · · · · · ·	•	Brass+Nickel plated
		0.4 N*m
		63V DC
	ΙΟΑ	16A
		NBR (on female connector) PVC/PVC CEI2022 SHIELDED
,		Black
		5x1.5mm ²
		Brown; White; Blue; Black; Grey;
010.4000 (±0.3) 1m	Ø10.4000 (±0.3) 1m	010.4000 (±0.3) 1m
	1111	
1 nc / hag	1 nc / hag	1 nc / hag
1 pc / bag	1 pc / bag	1 pc / bag
	FE Gircular connector with moulded cable IEC 61076-2-111 M12 L-Coded Circular connector M12 series,L-coded, TOTALLY SHIELDED with moulded cable L-12FJ5701Z-K6-IS Straight 180° Moulded cable Female 4poles + F.E. Black Contacts to solder wires Brass + Gold flash Knurl round Brass + Nickel plated 0.4 N*m 63V DC 16A NBR PVC/PVC CEI2022 SHIELDED Black Sx1.5mm ² Brown; White; Blue; Black; Grey; ø10.4mm (±0.3)	$\begin{array}{c} \bigcirc & \bigcirc & \bigcirc & \bigcirc & \bigcirc & \bigcirc & \bigcirc & \bigcirc & \bigcirc & \bigcirc $



Moulded cable connectors - S-coded

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roduct description onnector type	Circular connector with moulded cable	Circular connector with moulded cable	Circular connector with moulded cable
onforms to	IEC 61076-2-111	IEC 61076-2-111	IEC 61076-2-111
onstruction type	M12 S-Coded	M12 S-Coded	M12 S-Coded
escription	Circular connector M12 series,S-coded,	Circular connector M12 series,S-coded,	Extension M12-M12 connectors,S-code
	with moulded cable	with moulded cable	with moulded cable
art number	S-12FD4461Z	S-12MD4461Z	S-12FD4461Z12MD
ousing type	Straight 180°	Straight 180°	180°-180°
able gland	Moulded cable	Moulded cable	Moulded cable
ontacts type	Female	Male	Female-Male
umber of contacts	3poles + P.E.	3poles + P.E.	3poles + P.E.
ousing colour	Black	Black	Black
echnical data			
/pe of termination	Contacts to crimp wires	Contacts to crimp wires	Contacts to crimp wires
ontacts material	Brass+Gold flash	Brass + Gold flash	Brass+Gold flash
oupling nut type	Knurl round	Knurl round	Knurl round
12 coupling nut material 12 coupling nut torque	Brass+Nickel plated 0.4 N*m	Brass+Nickel plated 0.4 N*m	Brass+Nickel plated 0.4 N*m
ated voltage	630V AC	630V AC	630V AC
ated current	12A	12A	12A
-ring material	NBR	-	NBR (on female connector)
able type	PVC/PVC CEI2022	PVC/PVC CEI2022	PVC/PVC CEI2022
able jacket colour	Black	Black	Black
o.Conductors / Section	4G1.5mm ²	4G1.5mm ²	4G1.5mm ²
onductor colours	Black 1; Black 2; Black 3; Yellow/Green;	Black 1; Black 2; Black 3; Yellow/Green;	Black 1; Black 2; Black 3; Yellow/Green;
able diameter	ø10mm (±0.3)	ø10mm (±0.3)	ø10mm (±0.3)
able length	1m	1m	1m
ackaging			
ty/Bag	1 pc / bag	1 pc / bag	1 pc / bag
ther accessories options			
ee accessories section			

Moulded cable connectors - S-coded

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roduct description			
onnector type	Circular connector with moulded cable	Circular connector with moulded cable	Circular connector with moulded cable
onforms to	IEC 61076-2-111	IEC 61076-2-111	IEC 61076-2-111
onstruction type	M12 S-Coded	M12 S-Coded	M12 S-Coded
Description	Circular connector M12 series,S-coded,	Circular connector M12 series,S-coded,	Extension M12-M12 connectors,S-code
	TOTALLY SHIELDED with moulded cable	TOTALLY SHIELDED with moulded cable	TOTALLY SHIELDED with moulded cable
Part number	S-12FJ4351Z	S-12MJ4351Z	S-12FJ4351Z12MJ
lousing type	Straight 180°	Straight 180°	180°-180°
Cable gland	Moulded cable	Moulded cable	Moulded cable
Contacts type	Female	Male	Female-Male
lumber of contacts	3poles + P.E.	3poles + P.E.	3poles + P.E.
lousing colour	Black	Black	Black
echnical data			
ype of termination	Contacts to crimp wires	Contacts to crimp wires	Contacts to crimp wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Coupling nut type	Knurl round	Knurl round	Knurl round
/12 coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
/12 coupling nut torque	0.4 N*m	0.4 N*m	0.4 N*m
Rated voltage	630V AC	630V AC	630V AC
ated current	12A	12A	12A
)-ring material	NBR	-	NBR (on female connector)
Cable type	PVC/PVC CEI2022 SHIELDED	PVC/PVC CEI2022 SHIELDED	PVC/PVC CEI2022 SHIELDED
able jacket colour	Black	Black	Black
lo.Conductors / Section	4G1.5mm ²	4G1.5mm ²	4G1.5mm ²
conductor colours	Black 1; Black 2; Black 3; Yellow/Green;	Black 1; Black 2; Black 3; Yellow/Green;	Black 1; Black 2; Black 3; Yellow/Green
able diameter	ø10mm (±0.3)	ø10mm (±0.3)	ø10mm (±0.3)
Cable length	1m	1m	1m
Packaging		1	
	1 pc / bag	1 pc / bag	1 pc / bag
			• • •
lty/Bag			
Dty/Bag Dther accessories options See accessories section			



Moulded cable connectors - S-coded

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Product description			
Connector type	Circular connector with moulded cable	Circular connector with moulded cable	Circular connector with moulded cable
Conforms to	IEC 61076-2-111 / UL appoved	IEC 61076-2-111 / UL appoved	IEC 61076-2-111 / UL appoved
Construction type	M12 S-Coded	M12 S-Coded	M12 S-Coded
Description	Circular connector M12 series,S-coded,	Circular connector M12 series, S-coded,	Extension M12-M12 connectors,S-coded,
	UL approved, with moulded cable	UL approved, with moulded cable	UL approved, with moulded cable
Part number	S-12FD4811Z-K6-UL	S-12MD4811Z-K6-UL	S-12FD4811Z12MD-UL
Housing type	Straight 180°	Straight 180°	180°-180°
Cable gland	Moulded cable	Moulded cable	Moulded cable
Contacts type	Female	Male	Female-Male
Number of contacts	3poles + P.E.	3poles + P.E.	3poles + P.E.
Housing colour	Black	Black	Black
Fechnical data	·	1	·
Type of termination	Contacts to crimp wires	Contacts to crimp wires	Contacts to crimp wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Coupling nut type	Knurl round	Knurl round	Knurl round
M12 coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
M12 coupling nut torque	0.4 N*m	0.4 N*m	0.4 N*m
Rated voltage	630V AC	630V AC	630V AC
Rated current	12A	12A	12A
D-ring material	NBR	-	NBR (on female connector)
Cable type	PVC/PVC ULstyle 20234 SHIELDED high flex	PVC/PVC ULstyle 20234 SHIELDED high flex	PVC/PVC ULstyle 20234 SHIELDED high flex
Cable jacket colour	Orange RAL2003	Orange RAL2003	Orange RAL2003
lo.Conductors / Section	4GAWG16	4GAWG16	4GAWG16
Conductor colours	Black 1; Black 2; Black 3; Yellow/Green;	Black 1; Black 2; Black 3; Yellow/Green;	Black 1; Black 2; Black 3; Yellow/Green;
Cable diameter	ø8,6mm (±0.3)	ø8,6mm (±0.3)	ø8,6mm (±0.3)
Cable length	1m	1m	1m
Packaging			
Qty/Bag	1 pc / bag	1 pc / bag	1 pc / bag
Other accessories options See accessories section		·	

Moulded cable connectors - S-coded

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roduct description			
connector type	Circular connector with moulded cable	Circular connector with moulded cable	Circular connector with moulded cable
Conforms to	IEC 61076-2-111 / UL appoved	IEC 61076-2-111 / UL appoved	IEC 61076-2-111 / UL appoved
Construction type	M12 S-Coded	M12 S-Coded	M12 S-Coded
Description	Circular connector M12 series,S-coded,UL,	Circular connector M12 series,S-coded,UL,	Extension M12-M12 connectors,S-coded
	TOTALLY SHIELDED with moulded cable	TOTALLY SHIELDED with moulded cable	TOTALLY SHIELDED with moulded cable
Part number	S-12FJ4811Z-K6-UL	S-12MJ4811Z-K6-UL	S-12FJ4811Z12MD-UL
lousing type	Straight 180°	Straight 180°	180°-180°
Cable gland	Moulded cable	Moulded cable	Moulded cable
Contacts type	Female	Male	Female-Male
Number of contacts	3poles + P.E.	3poles + P.E.	3poles + P.E.
lousing colour	Black	Black	Black
echnical data			
ype of termination	Contacts to crimp wires	Contacts to crimp wires	Contacts to crimp wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Coupling nut type	Knurl round	Knurl round	Knurl round
/12 coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
112 coupling nut torque	0.4 N*m	0.4 N*m	0.4 N*m
lated voltage	630V AC	630V AC	630V AC
lated current	12A	12A	12A
)-ring material	NBR	-	NBR (on female connector)
able type	PVC/PVC ULstyle 20234 SHIELDED	PVC/PVC ULstyle 20234 SHIELDED	PVC/PVC ULstyle 20234 SHIELDED
able jacket colour	Orange RAL2003	Orange RAL2003	Orange RAL2003
lo.Conductors / Section	4G1.5mm ²	4G1.5mm ²	4G1.5mm ²
onductor colours	Black 1; Black 2; Black 3; Yellow/Green;	Black 1; Black 2; Black 3; Yellow/Green;	Black 1; Black 2; Black 3; Yellow/Green;
able diameter	ø8.6mm (±0.3)	ø8.6mm (±0.3)	ø8.6mm (±0.3)
able length	1m	1m	1m
ackaging			
lty/Bag	1 pc / bag	1 pc / bag	1 pc / bag
ther accessories options			
ee accessories section			



Moulded cable connectors - X-coded

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Product description			
connector type	Circular connector with moulded cable	Circular connector with moulded cable	
Conforms to	IEC 61076-2-101	IEC 61076-2-101	
Construction type	M12 X-Coded	M12 X-Coded	
Description	Circular connector M12 series,X-coded,	Extension M12-M12 connectors,X-coded,	
	TOTALLY SHIELDED with moulded cable	TOTALLY SHIELDED with moulded cable	
Part number	X-12MJ8711Z-K6-IS	X-12MJ871Z12MJ-K6-IS	
lousing type	Straight 180°	180°-180°	
Cable gland	Moulded cable	Moulded cable	
Contacts type	Male	Male-Male	
Number of contacts	8poles	8poles	
Housing colour	Black	Black	
Fechnical data		<u>Siden</u>	
Type of termination	Contacts to crimp wires	Contacts to crimp wires	
Contacts material	Brass+Gold flash	Brass + Gold flash	
Coupling nut type	Knurl round	Knurl round	
M12 coupling nut material	Brass+Nickel plated	Brass+Nickel plated	
V12 coupling nut torque	0.4 N*m	0.4 N*m	
Rated voltage	48V AC/DC	48V AC/DC	
Rated current	0.5A	0.5A	
D-ring material		-	
Cable type	- PUR/TPO ULStyle20236 high flex SHIELDED	- PUR/TPO ULStyle20236 high flex SHIELDED	
	Green RAL6016	Green RAL6016	
Cable jacket colour			
Io.Conductors / Section	4x2xAWG26(0.14mm ²)	4x2xAWG26(0.14mm ²) Wh/Or;Or;Wh/Gn;Gn;Wh/Bn;Bn;Wh/Bu;Bu	
Conductor colours	Wh/Or;Or;Wh/Gn;Gn;Wh/Bn;Bn;Wh/Bu;Bu		
Cable diameter	ø7.2mm (±0.3)	ø7.2mm (±0.3)	
Cable length	1m	1m	
		1 pc / bag	
Qty/Bag	1 pc / bag		
Qty/Bag Other accessories options	T pc / bag		
Dty/Bag D ther accessories options See accessories section	T pc / bag		
Aty/Bag Other accessories options See accessories section Iotes:			
Packaging Oty/Bag Other accessories options See accessories section Notes: Connectors available with different feautures See the general features and codification sc			

Notes



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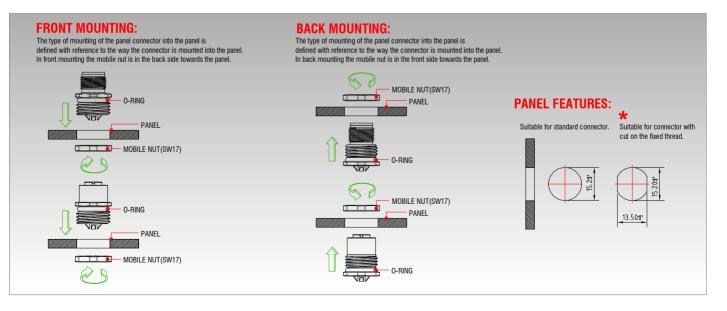


Panel mount - General features and codification scheme

• GENERAL FEATURES PANEL MOUNT CONNECTORS:

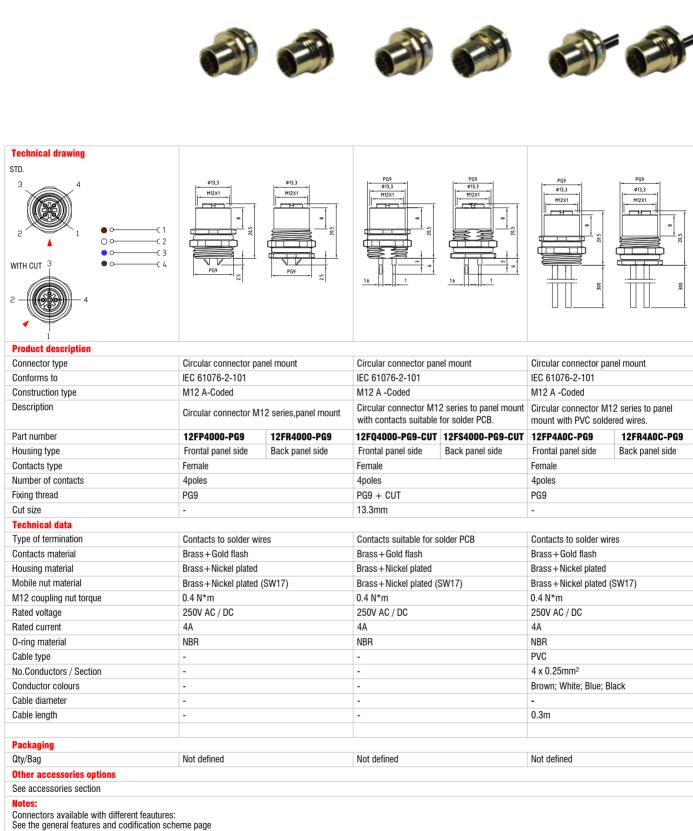
Conductor cross section : Type of terminations : Housing material : Internal core material : **Operating temperature :** 0.14(26AWG)...0.50mm²(20AWG). Solder wires. Brass+Nickel plated PA66. -25°C +90°C Solder PCB. PA66 (upon request) Stainless Steel AISI304 Flammability resistance : Fixing system : Contact material and treatment : UL94-V2 - Standard. M12 coupling nut. (upon request). Stainless Steel AISI316 Brass + Gold flash Max. screw torque IEC60947-1 Protection class : (upon request). IP 67 (assembled). M12 coupling nut torque 0.4N*m ## 12 F Ρ 3 А 0B PG9 ## ---CODING NO DIGIT : M12 A-CODING. B : M12 B-CODING. C · M12 C-CODING D : M12 D-CODING K : M12 K-CODING S : M12 S-CODING SERIES 12 : M12 CIRCULAR CONNECTOR. GENDER F : FEMALE. M : MALE. CONNECTOR TYPE P : FRONTAL MOUNTING. PP : FRONTAL MOUNTING PLASTIC CONNECTOR(MALE CONNECTORS) Q: FRONTAL MOUNTING WITH PCB CONTACTS. R : BACK MOUNTING.S: BACK MOUNTING WITH PCB CONTACTS. X: BACK MOUNTING WITH SCREW CONTACTS. NUMBERS OF POLES 3: 3POLES. 4: 4POLES. 5: 5POLES. 8: 8POLES. 12: 12POLES. CABLE TYPE 0 : WITHOUT WIRES. A : PVC WIRES 0.25mm². B : PVC WIRES 0.34mm². C : PUR WIRES 0.25mm². D : PUR WIRES 0.34mm² WIRES LENGTH 00: WITHOUT WIRES 08:0.2m 0C:0.3m ... 1Z:1m CONTACTS TYPE PG7 : FIXIING THREAD OF THE PANEL. PG9 : FIXIING THREAD OF THE PANEL. M16 : FIXIING THREAD OF THE PANEL. M20 : FIXIING THREAD OF THE PANEL SOME VARIABLES

INOX : M12 COUPLING NUT IN STAINLESS STEEL (AISI304). IN316 : M12 COUPLING NUT IN STAINLESS STEEL (AISI316). C0 : CONNECTOR WITH CABLE. CUT : FIXING THREAD WITH ANTIROTATION CUT.



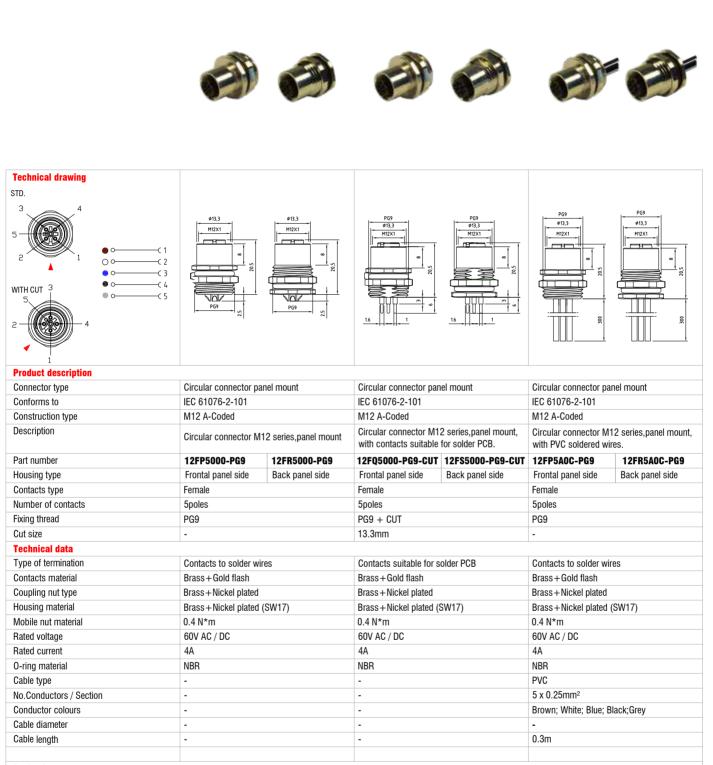
Panel mount - A-coded







Panel mount - A-coded



Not defined

Not defined

Packaging Qty/Bag

Other accessories options

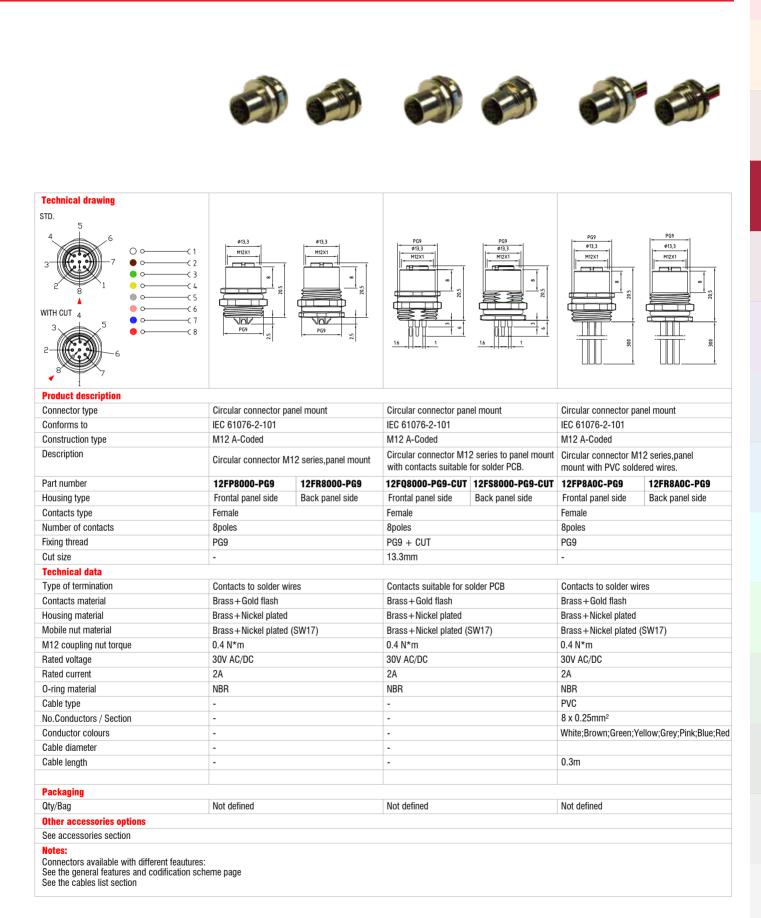
See accessories section

Notes:

Connectors available with different feautures: See the general features and codification scheme page

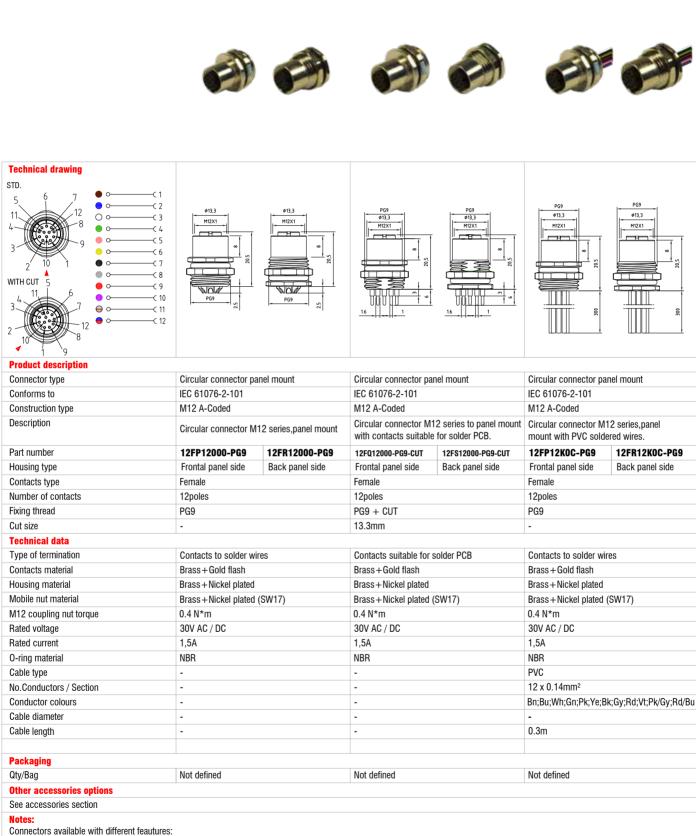
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Panel mount - A-coded





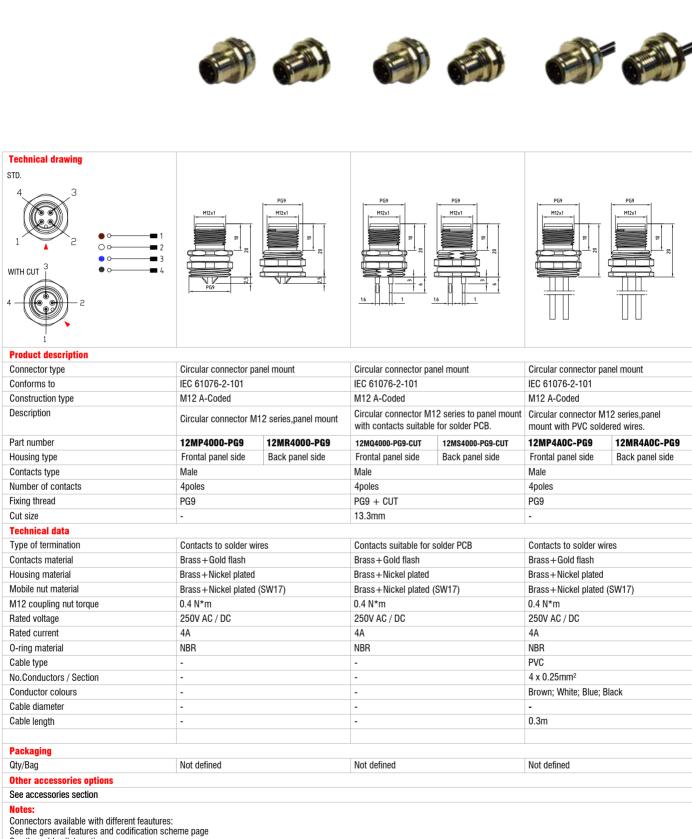
Panel mount - A-coded



See the general features and codification scheme page

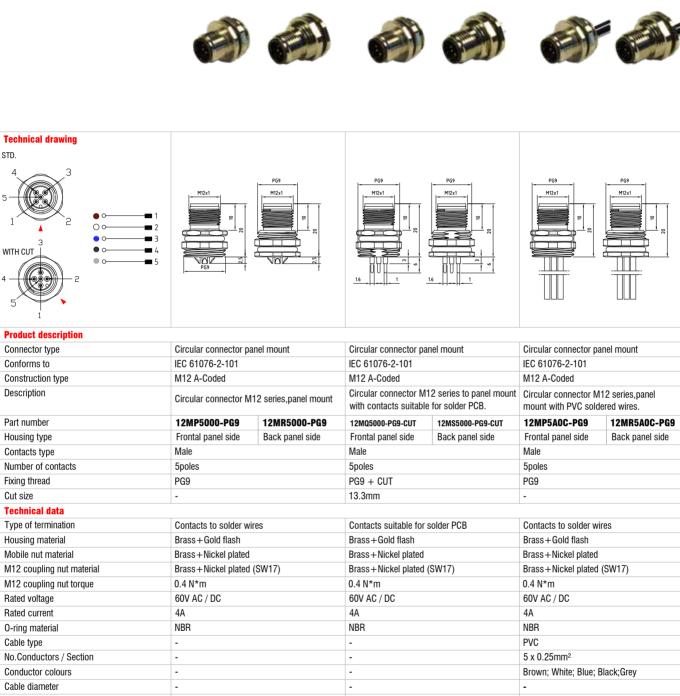


Panel mount - A-coded





Panel mount - A-coded



 Cable length
 0.3m

 Cable length
 0.3m

 Packaging

 Qty/Bag
 Not defined
 Not defined
 Not defined

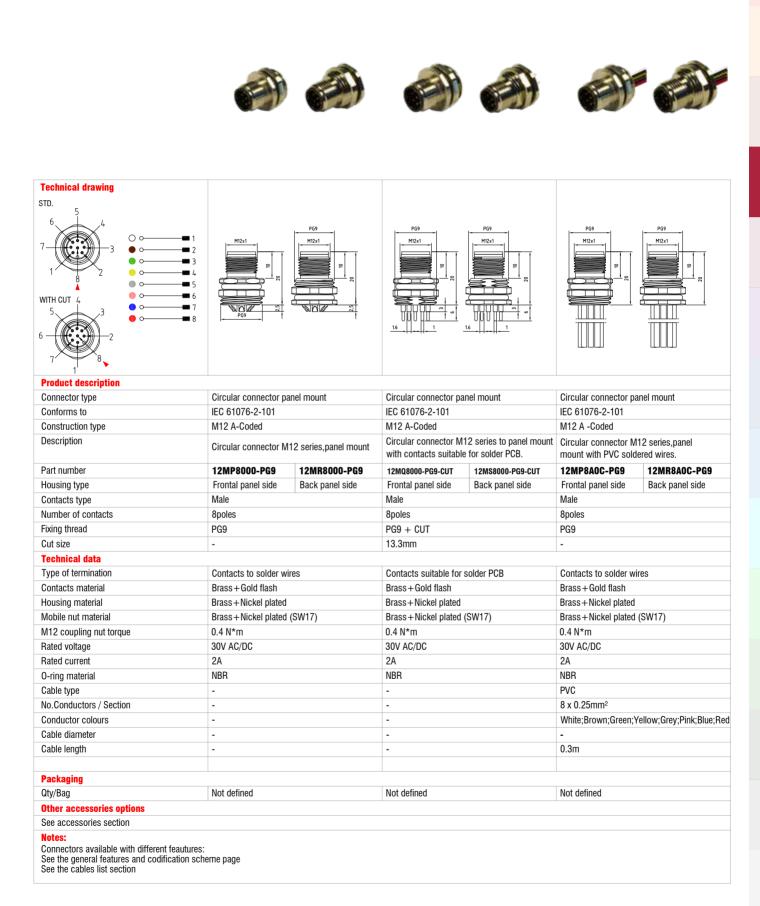
 Other accessories options

 See accessories section

Notes:

Connectors available with different feautures: See the general features and codification scheme page





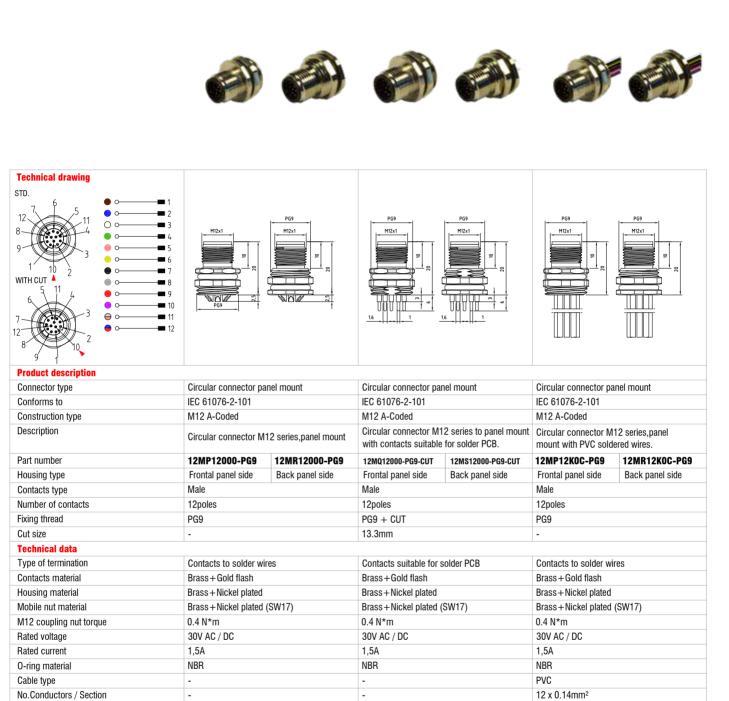


Panel mount - A-coded

Bn;Bu;Wh;Gn;Pk;Ye;Bk;Gy;Rd;Vt;Pk/Gy;Rd/Bu

0.3m

Not defined



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Not defined

Connectors available with different feautures: See the general features and codification scheme page

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Not defined

See the cables list section

Other accessories options See accessories section

Conductor colours Cable diameter

Cable length

Packaging Qty/Bag

Notes:

Panel mount - A-coded



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Circular connector pan	el mount	Circular connector pan	el mount	Circular connector pan	el mount
IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
M12 A-Coded		M12 A-Coded		M12 A-Coded	
Circular connector M1:	2 series,panel mount,	Circular connector M1	2 series,panel mount,	Circular connector M1	2 series,panel mount,
				with PVC soldered wire	
12MP4A0C-PG13.5	12MP4A0C-M20	12MP5A0C-PG13.5	12MP5A0C-M20	12MP8A0C-PG13.5	12MP8A0C-M20
Frontal panel side		Frontal panel side		Frontal panel side	
Male		Male		Male	
4poles		5poles		8poles	
PG13.5	M20x1.5	PG13.5	M20x1.5	PG13.5	M20x1.5
-		-		-	
Contacts to solder wire	S	Contacts to solder wire	es	Contacts to solder wire	S
Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
Brass+Nickel plated (S	SW22)	Brass+Nickel plated (S	SW22)	Brass+Nickel plated (S	SW22)
0.4 N*m		0.4 N*m		0.4 N*m	
250V AC / DC		60V AC / DC		30V AC / DC	
4A		4A		2A	
NBR		NBR		NBR	
PVC		PVC		PVC	
4 x 0.25mm ²		5 x 0.25mm ²		8 x 0.25mm ²	
Brown; White; Blue; Bla	ack	Brown; White; Blue; Bl	ack; Grey	White;Brown;Green;Yel	low;Grey;Pink;Blue;R
-		-		-	
0.3m		0.3m		0.3m	
Not defined		Not defined		Not defined	
	Circular connector pan Circular connector pan IEC 61076-2-101 M12 A-Coded Circular connector M1: with PVC soldered wire 12MP4A0C-PG13.5 Frontal panel side Male 4poles PG13.5 - Contacts to solder wire Brass + Nickel plated Brass + Nickel plated Contacts to solder wire Brass + Nickel plated Brass + Nickel plated Brass + Nickel plated Brass + Nickel plated Contacts to solder wire Brass + Nickel plated Contacts to solder wire Brass + Nickel plated Contacts to solder wire Contacts to solder wire Brass + Nickel plated Contacts to solder wire Brass + Nickel plated Contacts to solder wire Brass + Nickel plated Contacts to solder wire Contacts to solder wire Brass + Nickel plated Contacts to solder wire Brass + Nickel plated Contacts to solder wire Contacts to solder wire Brass + Nickel plated Contacts to solder wire Brass + Nickel plated Contacts to solder wire Contacts to solder wire Contacts to solder wire Brass + Nickel plated Contacts to solder wire Contacts to solder wire Contacts to solder wire Contacts to solder wire Contacts to solder wire Brass + Nickel plated Contacts to solder wire Contacts to solder wire	$\begin{array}{c} \circ & = 2 \\ \bullet & \circ & = 3 \\ \bullet & \circ & = 4 \end{array}$	$\circ \circ = 2$ $\circ = 3$ $\circ \circ = 2$ $\circ = 3$ $\circ \circ = 4$ $\circ \circ = 5$ $\circ \circ = 4$ $\circ \circ = 5$ $\circ \circ \circ = 5$ $\circ \circ = 5$ $\circ \circ \circ = 5$ $\circ \circ = 5$ $\circ \circ \circ = 5$ $\circ \circ = 5$ $\circ \circ \circ \circ = 5$ $\circ \circ = 5$ $\circ \circ \circ \circ = 5$ $\circ \circ = 5$ $\circ \circ \circ \circ \circ = 5$ $\circ \circ = 5$ $\circ \circ $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Image: construction of the second

See the cables list section



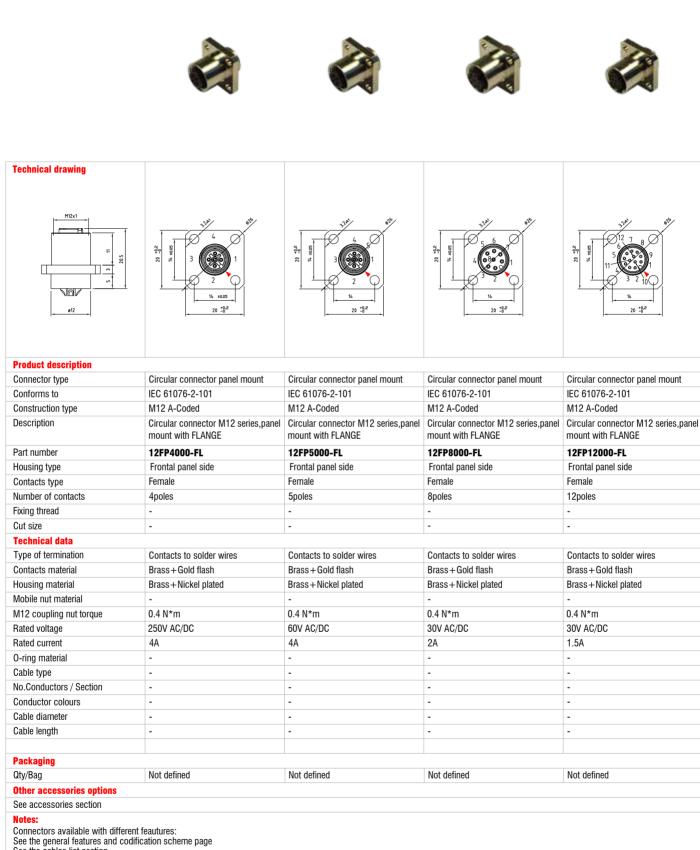
Panel mount - A-coded

		1	65			
Fechnical drawing	• o		• • - 1		0 • 1	
-						
	• • — • 4		• • • • • •		<mark>●</mark> ○■ 4	
SW23 M22x1,5 M12x1,1 M12x1	4	3	• • • 5	3		
		, L	5	کر د		3
Product description					0	
Connector type	Circular connector panel	mount	Circular connector pan	el mount	Circular connector pan	el mount
Conforms to	IEC 61076-2-101	mount	IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 A-Coded		M12 A-Coded		M12 A-Coded	
Description	Circular connector M12	corioc papel mount	Circular connector M12	2 corios papol mount	Circular connector M12	corioc papel mount
Description	plastic material, with PV		plastic material, with P		plastic material, with P	
Part number	12MPP4A0C-PG13.5		12MPP5A0C-PG13.5		12MPP8A0C-PG13.5	
Housing type	Frontal panel side		Frontal panel side		Frontal panel side	
Contacts type	Male		Male		Male	
Number of contacts	4poles		5poles		8poles	
Fixing thread	PG13.5 N	//20x1.5	PG13.5	M20x1.5	PG13.5	M20x1.5
Fixed nut size	SW23		SW23		SW23	
Fechnical data						
Type of termination	Contacts to solder wires		Contacts to solder wire	S	Contacts to solder wire	s
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Housing material	PA66		PA66		PA66	
Mobile coupling nut material	-		-		-	
M12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	250V AC / DC		60V AC / DC		30V AC / DC	
Rated current	4A		4A		2A	
D-ring material	NBR		NBR		NBR	
Cable type	PVC		PVC		PVC	
No.Conductors / Section	4 x 0.25mm ²		5 x 0.25mm ²		8 x 0.25mm ²	
Conductor colours	Brown; White; Blue; Blac	k	Brown; White; Blue; Bla	ack: Grev	White;Brown;Green;Yel	low:Grev:Pink:Blue:Re
Cable diameter	-		-		-	, ,,,,,
Cable length	0.3m		0.3m		0.3m	
Deskenian						
Packaging Dty/Bag	Not defined		Not defined		Not defined	
	Not delined		Not defined		Not defined	
Other accessories options See accessories section						

See the cables list section

Panel mount - A-coded



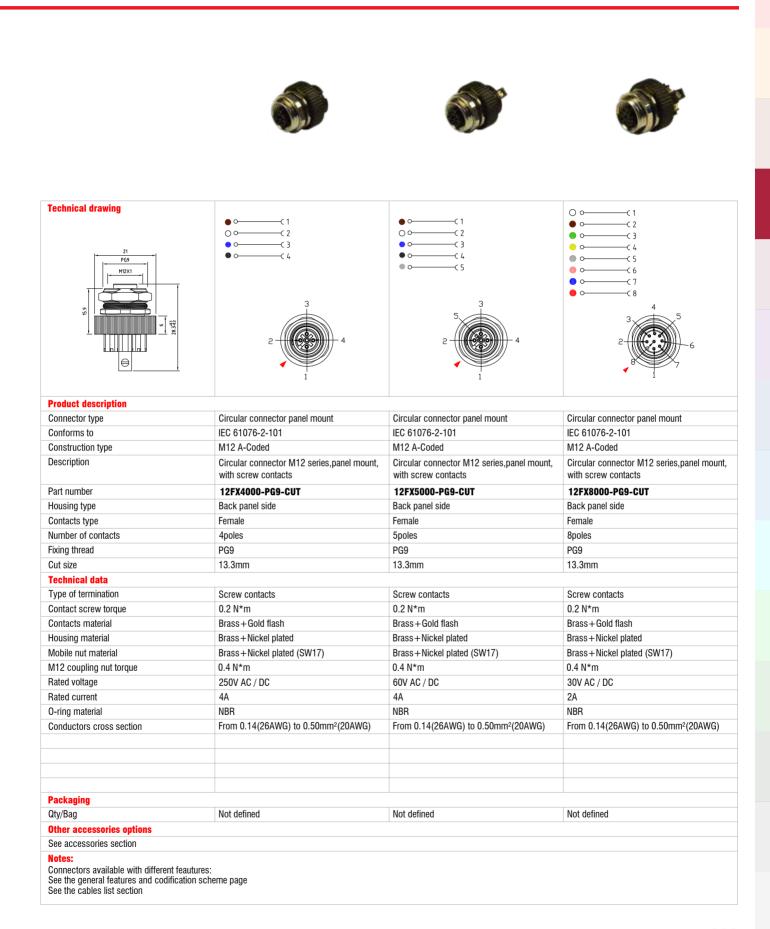


See the cables list section



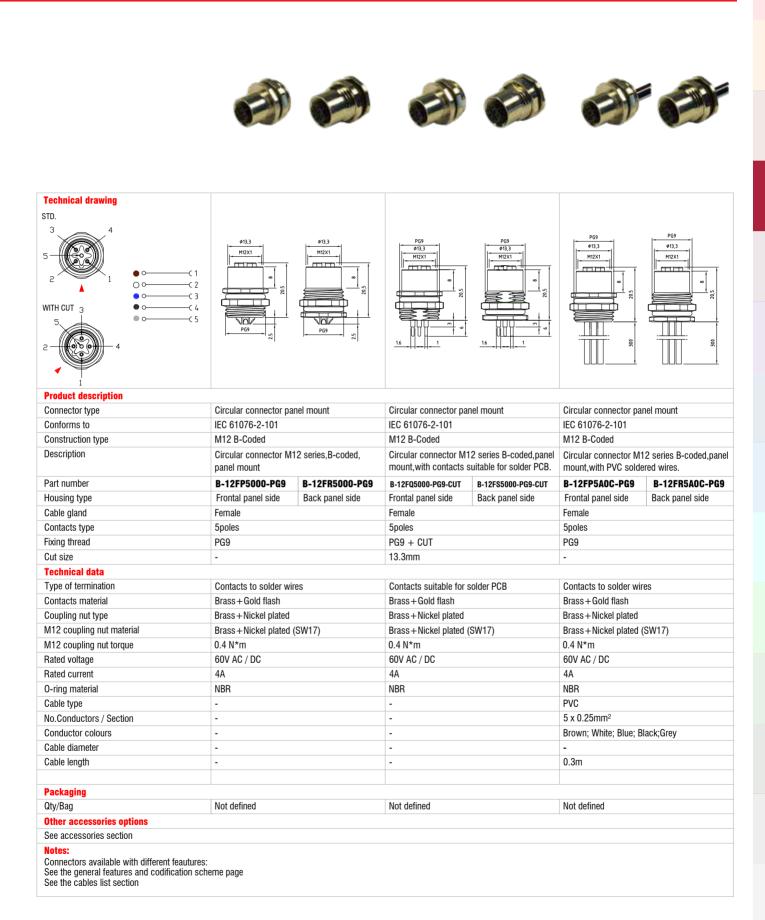






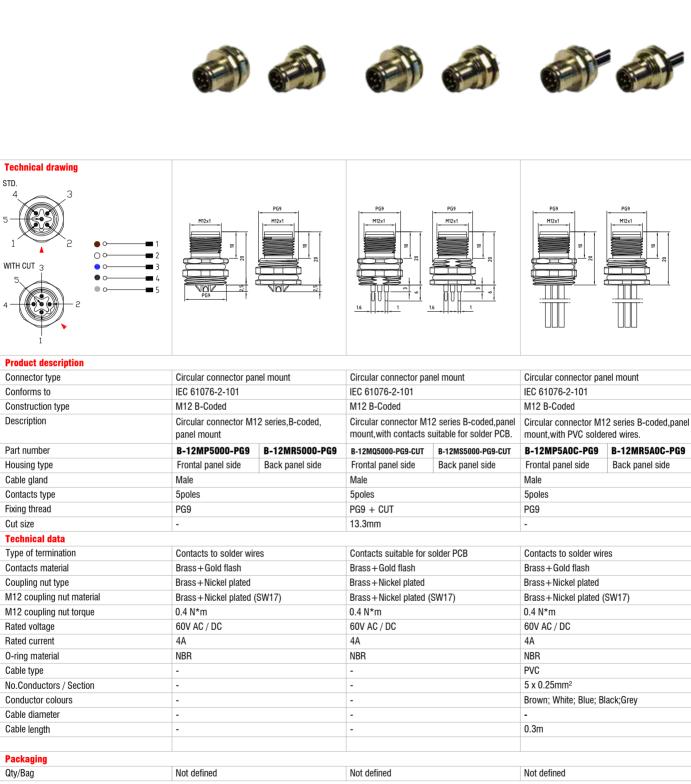


Fechnical drawing			
rechnical urawing	• • • • • • • • • • • • • • • • • • •	• •	
	○ ○ ─── 2	○ ○ ─── ■ 2	
PG9			e o 4
M12×1	• 0 - 4	• • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • •
			• • • • • • • • • • • • • • • • • • •
	3	3	
	4	4 5 1 2	
Product description			
Connector type	Circular connector panel mount	Circular connector panel mount	Circular connector panel mount
Conforms to	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101
Construction type	M12 A-Coded	M12 A-Coded	M12 A-Coded
Description	Circular connector M12 series, panel mount,	Circular connector M12 series, panel mount,	Circular connector M12 series, panel mo
•	with screw contacts	with screw contacts	with screw contacts
Part number	12MX4000-PG9-CUT	12MX5000-PG9-CUT	12MX8000-PG9-CUT
lousing type	Back panel side	Back panel side	Back panel side
Contacts type	Male	Male	Male
Number of contacts	4poles	5poles	8poles
Fixing thread	PG9	PG9	PG9
Cut size	13.3mm	13.3mm	13.3mm
'echnical data			
ype of termination	Screw contacts	Screw contacts	Screw contacts
Contact screw torque	0.2 N*m	0.2 N*m	0.2 N*m
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
lousing material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Nobile nut material	Brass+Nickel plated (SW17)	Brass+Nickel plated (SW17)	Brass+Nickel plated (SW17)
/12 coupling nut torque	0.4 N*m	0.4 N*m	0.4 N*m
Rated voltage	250V AC / DC	60V AC / DC	30V AC / DC
Rated current	4A	4A	2A
D-ring material	NBR	NBR	NBR
Conductors cross section	From 0.14(26AWG) to 0.50mm ² (20AWG)	From 0.14(26AWG) to 0.50mm ² (20AWG)	From 0.14(26AWG) to 0.50mm ² (20AW
ackaging			No. 1 J. Co. J
ackaging Itv/Bao	Not defined	Not defined	Not defined
ty/Bag	Not defined	Not defined	Not defined
	Not defined	Not defined	NOT defined





Panel mount - B-coded



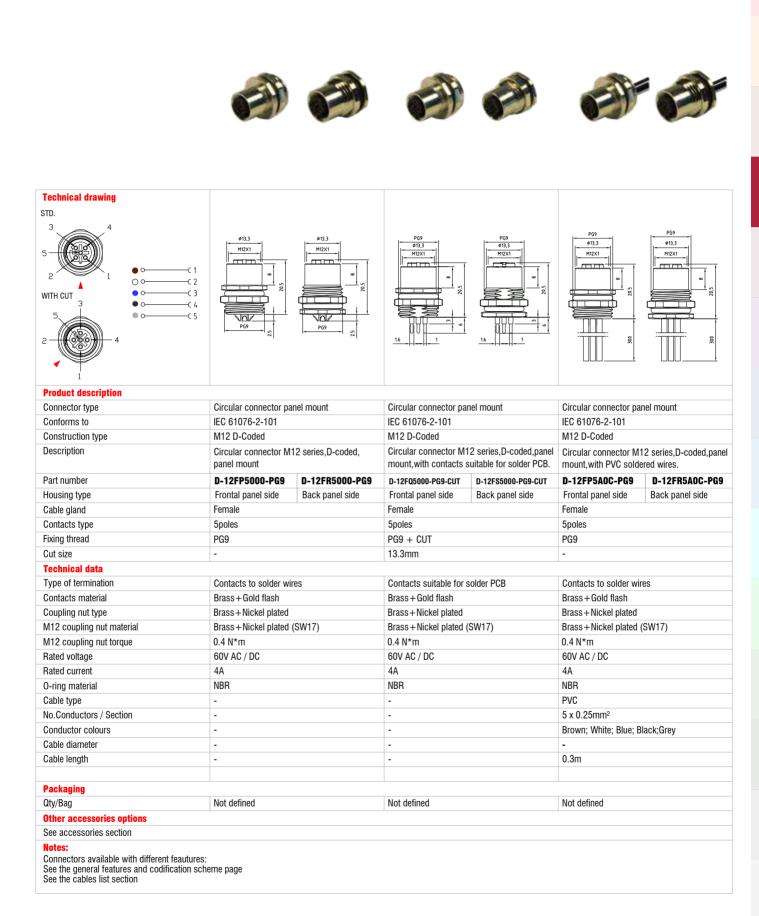
Other accessories options

See accessories section

Notes:

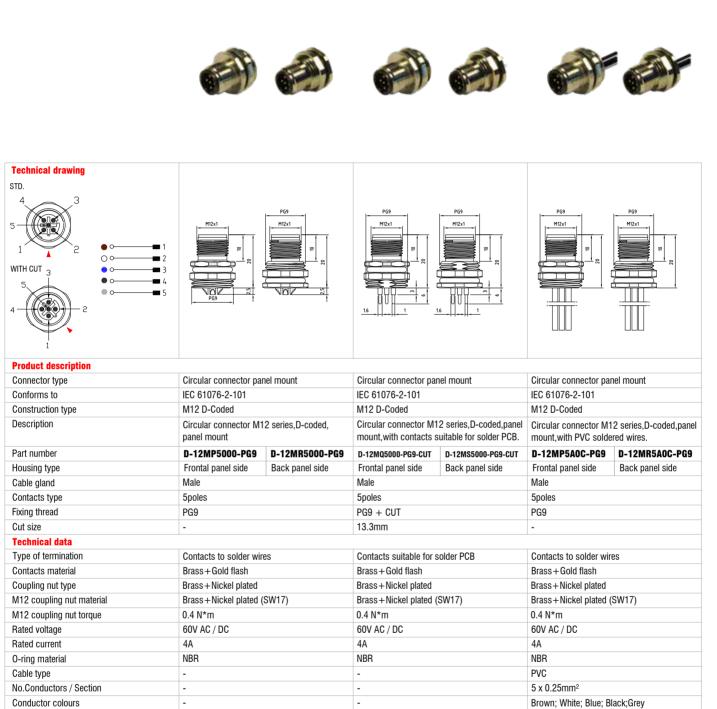
Connectors available with different feautures: See the general features and codification scheme page See the cables list section







Panel mount - D-coded



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Not defined

0.3m

Not defined

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Not defined

See the general features and codification scheme page

Cable diameter

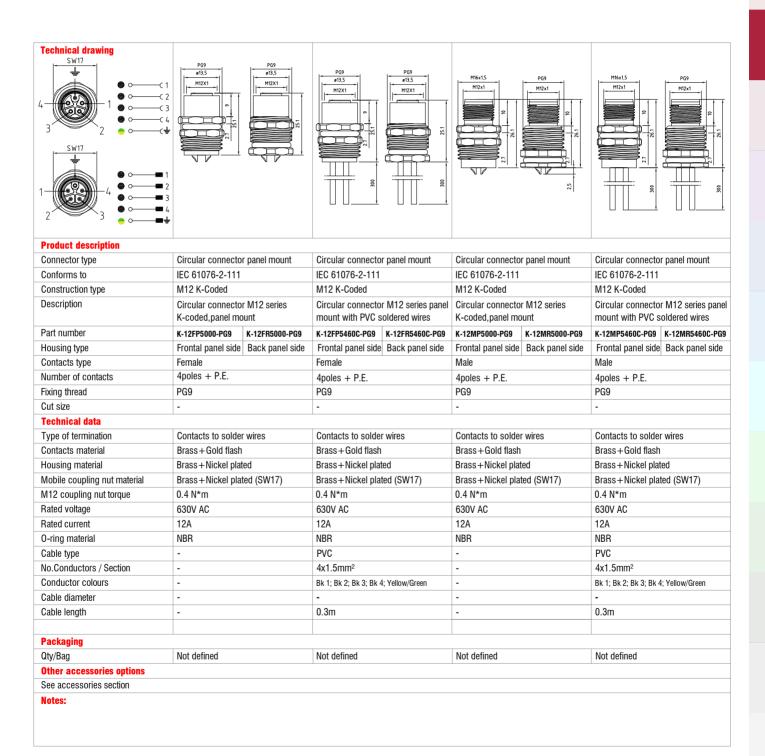
Cable length

Packaging

Qty/Bag

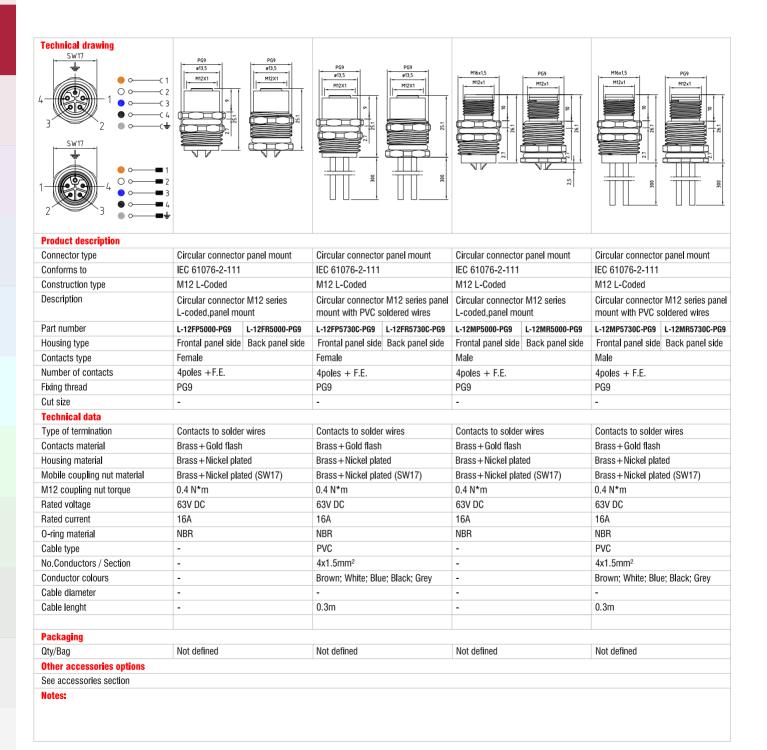






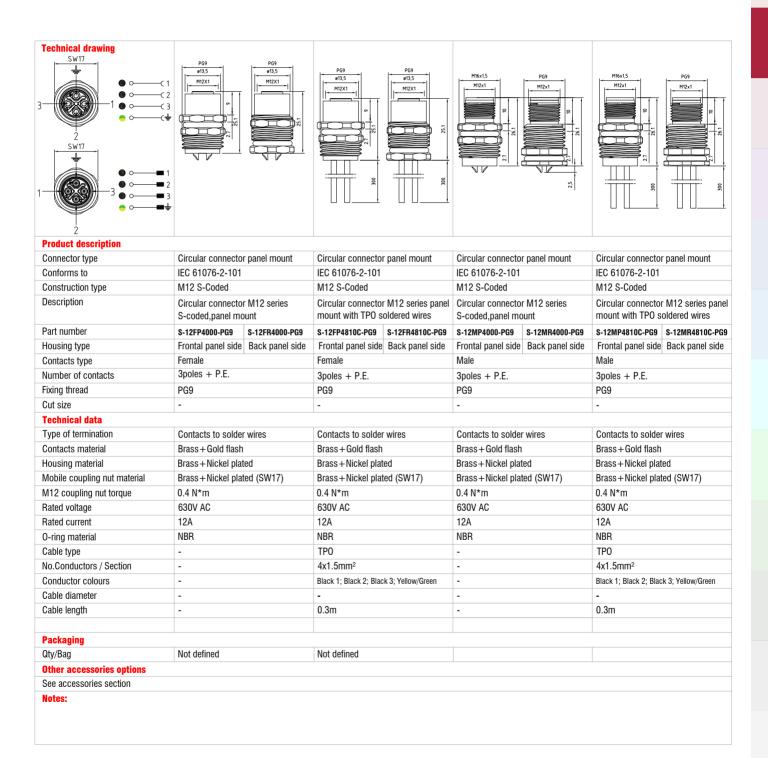














Internal cores - A-coded

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echnical drawing	o - 1	o∎ 1	o 1
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\$9,4 1			⊙ 6
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	1 2	1 2	7 (9 9) 3
¢9,6	•	• • • • • • • • • • • • • • • • • • •	
			1 8 2
			-
Product description			
Connector type	Internal core	Internal core	Internal core
Conforms to	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101
Construction type	M12 A-Coded	M12 A-Coded	M12 A-Coded
Description	Internal core of circular connector M12	Internal core of circular connector M12	Internal core of circular connector M12
	series,panel mount	series,panel mount	series,panel mount
Part number	12MN4000	12MN5000	12MN8000
nternal core housing type	Connector panel mount	Connector panel mount	Connector panel mount
Contacts type	Male	Male	Male
Number of contacts	4poles	5poles	8poles
lechnical data			
Type of termination	Contacts to solder wires	Contacts to solder wires	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
nternal core housing material	PA66	PA66	PA66
Rated voltage	250V AC / DC	60V AC / DC	30V AC / DC
Rated current	4A	4A	2A
D-ring material	NBR	NBR	NBR
Cable type	-	-	-
lo.Conductors / Section	-	-	-
Conductor colours	-	-	-
Cable diameter	-	-	-
Cable length			
ha da a da a da a da a da a da a da a d			
Packaging Dtv/Rag	Not defined	Not defined	Not defined
Qty/Bag			
Other accessories options See accessories section			

Internal cores - A-coded



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11			2 8 1
			▲
roduct description			
Connector type	Internal core	Internal core	Internal core
Conforms to	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101
Construction type	M12 A-Coded	M12 A-Coded	M12 A-Coded
Description	Internal core of circular connector M12	Internal core of circular connector M12	Internal core of circular connector M12
	series,panel mount	series,panel mount	series,panel mount
Part number	12FN4000	12FN5000	12FN8000
nternal core housing type	Connector panel mount	Connector panel mount	Connector panel mount
Contacts type	Female	Female	Famale
Number of contacts	4poles	5poles	8poles
echnical data		· · · · · · · · · · · · · · · · · · ·	
Type of termination	Contacts to solder wires	Contacts to solder wires	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
nternal core housing material	PA66	PA66	PA66
Rated voltage	250V AC / DC	60V AC / DC	30V AC / DC
Rated current	4A	4A	2A
)-ring material	NBR	NBR	NBR
Cable type	-	-	-
lo.Conductors / Section	-	-	-
Conductor colours	-	-	-
Cable diameter	-	-	-
Cable length	-	-	-
ackaging			
0ty/Bag	Not defined	Not defined	Not defined
Ither accessories options			
See accessories section			
lotes:			
Connectors available with different fea	utures:		
See the general features and codificati	on cohomo pago		

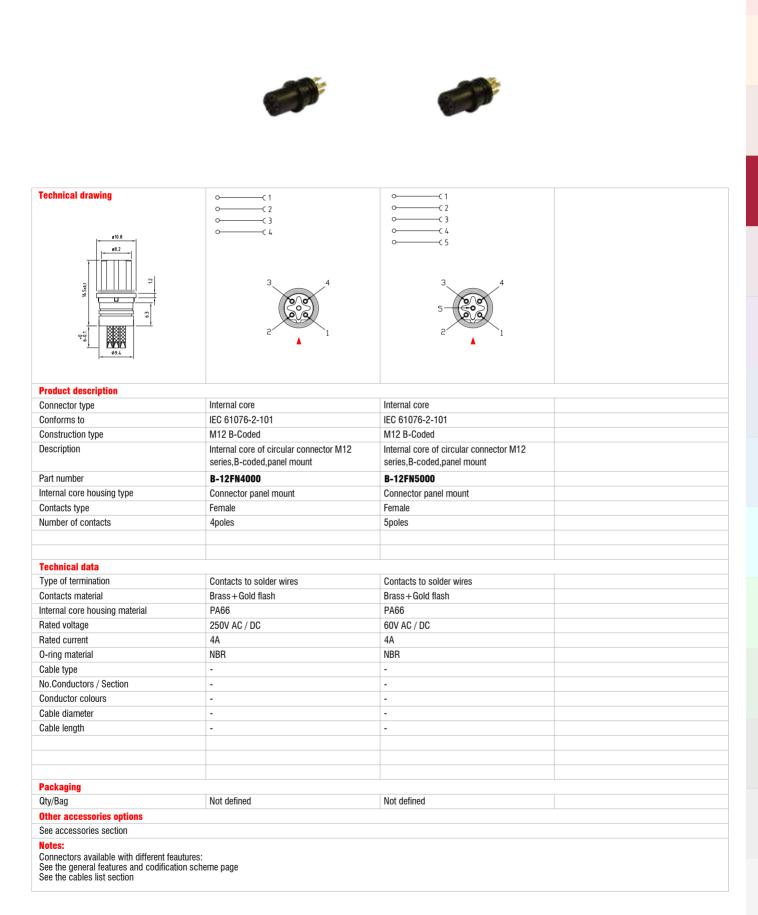


Internal cores - B-coded

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o 2	o 2	
o∎ 3 o∎ 4		
	o 5	
4 3	4 3	
	5-((
· ▲ -	· • • •	
Male	Male	
4poles	5poles	
Contacts to solder wires	Contacts to solder wires	
PA66	PA66	
250V AC / DC		
4A	4A	
NBR	NBR	
-	-	
-	-	
	-	
	-	
	· · · · · · · · · · · · · · · · · · ·	
Not defined	Not defined	
utures: on scheme page		
	Internal core Internal core IEC 61076-2-101 M12 B-Coded Internal core of circular connector M12 series,B-coded,panel mount B-12MN4000 Connector panel mount Male 4poles Contacts to solder wires Brass + Gold flash PA66 250V AC / DC 4A NBR - - - - - - - - NBR - NBR - - Not defined	Internal core Internal core Internal core Internal core IEC 61076-2-101 IEC 61076-2-101 M12 B-Coded M12 B-Coded Internal core of circular connector M12 stretes, B-coded, panel mount B-12MN4000 B-12MN500 Connector panel mount Connector panel mount Male Male 4 yoles Spoles Contacts to solder wires Brass + Gold flash Brass + Gold flash Brass + Gold flash PA66 PA66 250V AC / DC 60V AC / DC 4 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

Internal cores - B-coded







Notes

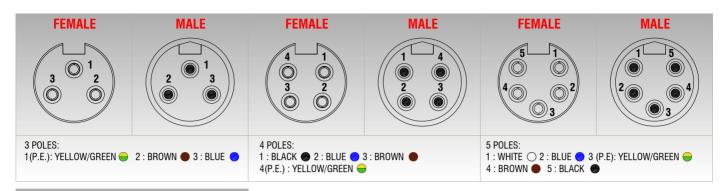
Notes:

Notes.		





Field attachable connectors - General features and codification scheme



FEMALE MALE

1 : WHITE ○ 2 : BLUE ● 3(P.E.) : YELLOW/GREEN → 4 : BROWN ● 5 : BLACK ● 6 : GREY ●

• GENERAL FEATURES OF FIELD ATTACHABLE CONNECTORS:

Screw

Cable Gland : PG11 : Ø CABLE 6-10mm.

Conductor cross section : max. 1.50mm²(16AWG).

Max. screw torque IEC60947-1 :

7/8" coupling nut torque 0.8 N*m.

Contact screw torque 0.4 N*m.

Fixing system : 7/8" coupling nut. Brass + Gold flash. Housing material : PA66.

Type of terminations :

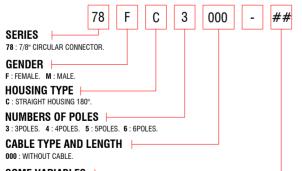
Contact material and treatment :

Internal core material : PVC. CTORS: Coupling nut material : Brass+Nickel plated.

Stainless steel AISI304(upon request). Stainless steel AISI316(upon request). **Operating temperature :** -40°C +90°C.

Flammability resistance : V2 - Standard

Protection class : IP65/67 (assembled).



SOME VARIABLES

HN : HEXAGONAL 7/8" COUPLING NUT. H: HEXAGONAL CABLE GLAND INOX : 7/8" COUPLING NUT IN STAINLESS STEEL(AISI304). IN316 : 7/8" COUPLING NUT IN STAINLESS STEEL(AISI316). Y : WITHOUT H.T.P.LOGO.

Field attachable connectors



Technical drawing				
	oC 1	o	o	o
¢28	oC2 oC3	o	o(2 o(3	o
7/8"-16 UN	0	o(4	o(4	o(4
			o	o
				oC 6
⁸⁹				
PG11				
Product description	Oliveration and the field office backle	Oincular a secondar field attack able	Oincular anna tar fald attachable	Oinsular anna dan Gald attachabla
Connector type	Circular connector field attachable	Circular connector field attachable	Circular connector field attachable	Circular connector field attachable
Conforms to Construction type	 7/8"-16 UN	 7/8"-16 UN	 7/8"-16 UN	 7/8"-16 UN
Part number			7/8 - 10 0N	
Housing type	78FC3000 Straight 180°	78FC4000 Straight 180°	Straight 180°	78FC6000 Straight 180°
Cable gland	CIRCULAR flower	CIRCULAR flower	CIRCULAR flower	CIRCULAR flower
Description	Circular connector 7/8" series	Circular connector 7/8" series	Circular connector 7/8" series	Circular connector 7/8" series
Description	field attachable	field attachable	field attachable	field attachable
Contacts type	Female	Female	Female	Female
Number of contacts	3poles (2p.+P.E.)	4poles (3p.+P.E.)	5poles (4p.+P.E.)	6poles (5p.+P.E.)
Housing colour	Black	Black	Black	Black
Technical data				
Type of termination	Screw contacts	Screw contacts	Screw contacts	Screw contacts
Contact screw torque	0.4 N*m	0.4 N*m	0.4 N*m	0.4 N*m
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Coupling nut type	Knurl round	Knurl round	Knurl round	Knurl round
7/8" coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
7/8" coupling nut torque	0.8 N*m	0.8 N*m	0.8 N*m	0.8 N*m
Rated voltage	300V AC / DC	300V AC / DC	300V AC / DC	300V AC / DC
Rated current	12A	9A	9A	9A
Temperature range	-40°C +90°C	-40°C +90°C	-40°C +90°C	-40°C +90°C
O-ring material	NBR	NBR	NBR	NBR
Suitable cable	ø 6.5 - 9.5mm	ø 6.5 - 9.5mm	ø 6.5 - 9.5mm	ø 6.5 - 9.5mm
Deckoging				
Packaging Qty/Bag	1 pc / bag	1 pc / bag	1 pc / bag	1 pc / bag
Other accessories options	1 po/ bug	1 po / bug	, po / bug	1 po / bug
See accessories section				
Notes:				
Connectors available with differ See the general features and co				

See the general features and codification scheme page



Field attachable connectors

Image: Contract Section 200 Image: Contract Section 200 Image: Contract Section 200 Image: Contract Section 200 Image: Contract Section 200 Pointer of type Circular connector field attachabe Controms to					
Image: Contracts Image: Contracts <td< th=""><th>Fechnical drawing</th><th>o∎1 o2</th><th>o∎1 o2</th><th>o∎1 o2</th><th>o∎ 1 o 2</th></td<>	Fechnical drawing	o∎1 o2	o∎1 o2	o∎1 o2	o∎ 1 o 2
Connector type Circular connector field attachable T/8*-16 UN T/8*-16 UN <th>50 50</th> <th>o3</th> <th></th> <th></th> <th></th>	50 50	o3			
Contorms to Domination typeConstruction type7/8*16 UN7/8*16 UN7/8*16 UN7/8*16 UN7/8*16 UN7/8*16 UNPart number78MC300078MC300078MC500078MC500078MC5000Part number78MC3000Straight 180°Straight 180°Straight 180°Straight 180°Straight 180°CIRCULAR flowerCIRCULAR flowerCIRCULAR flowerCIRCULAR flowerCIRCULAR flowerCIRCULAR flowerCIRCULAR flowerCIRCULAR flowerCIRCULAR flowerCircular connector 7/8* series field attachablefield attachableMaleMaleDatacts typeMaleMaleMaleMaleMaleAumber of contacts3poles (2p.+P.E.)4poles (3p.+P.E.)5poles (4p.+P.E.)6poles (5p.+P.E.)Hourisot of contacts3poles (2p.+P.E.)4poles (3p.+P.E.)5poles (4p.+P.E.)6poles (5p.+P.E.)Poor forminationScrew contactsScrew contactsScrew contactsScrew contactsSortact screw torque0.4 N*m0.4 N*m0.4 N*m0.4 N*mContact smaterialBrass + Gold flashBrass + Nickel platedBrass + Nickel platedSouping nut typeKnuri roundKnuri roundKnuri roundKnuri round/%" couping nut torque0.8 N*m0.8 N*m0.8 N*m0.8 N*mColdage300V AC / DC300V AC / DC300V AC / DC300V AC / DCAlted contact12A9A9A9ACircular connector	Product description				
Sonstruction type 7/8*-16 UN 7/8*-16 UN 7/8*-16 UN 7/8*-16 UN 7/8*-16 UN Varia number 78MC3000 78MC4000 78MC5000 78MC5000 Abusing type Straight 180° Straight 180° Straight 180° Straight 180° Solable gland CIRCULAR flower CIRCULAR flower CIRCULAR flower CIRCULAR flower Circular connector 7/8* series field attachable field attachable field attachable field attachable field attachable field attachable field attachable field attachable field attachable field attachable field attachable forontacts 3poles (2p.+P.E.) 4poles (3p.+P.E.) 5poles (4p.+P.E.) 6poles (5p.+P.E.) dousing colour black Black Black Black certaid atachable screw contacts Screw contacts Screw contacts orantat screw torque 0.4 N*m 0.4 N*m 0.4 N*m contacts material Brass + Nickel plated Brass + Nickel plated Brass + Nickel plated 6% coupling nut type Knurl round Knurl round Knurl round Knurl round 7/8* coupling nut torque 0.8 N*m 0.8 N*m 0.8 N*m 0.8 N*m 12A 9A 9A <t< td=""><td>connector type</td><td>Circular connector field attachable</td><td>Circular connector field attachable</td><td>Circular connector field attachable</td><td>Circular connector field attachable</td></t<>	connector type	Circular connector field attachable	Circular connector field attachable	Circular connector field attachable	Circular connector field attachable
Part number78MC300078MC400078MC500078MC5000lousing typeStraight 180°Straight 180°Straight 180°Straight 180°bable glandCIRCULAR flowerCIRCULAR flowerCIRCULAR flowerCIRCULAR flowerc Circular connector 7/8" seriesfield attachablefield attachablefield attachablefield attachableMaleMaleMaleMaleburnber of contacts3poles (2p. + P.E.)4poles (3p. + P.E.)5poles (4p. + P.E.)6poles (5p. + P.E.)busing colourBlackBlackBlackBlackethnical data'ype of terminationScrew contactsScrew contactsScrew contactsboging number of could colourB aras + Gold flashBrass + Gold flashBrass + Gold flashbrass + Gold flashBrass + Sickel platedBrass + Nickel platedBrass + Nickel plated/% coupling nut materialBrass + Nickel platedBrass + Nickel platedBrass + Nickel plated/% coupling nut torque0.8 N*m0.8 N*m0.8 N*m0.8 N*m/% coupling nut torque40°C + 90°C-40°C + 90°C-40°C + 90°C//m materialNBRNBRNBRNBR/m materialNBRNBRNBR/m materialNBRNBRNBR/m materialNBRNBRNBR/m materialNBRNBRNBR/m materialNBRNBRNBR/m materialNBRNBRNBR/m materialNBRNBRN	onforms to				
bousing typeStraight 180°Straight 180°Circular connector 7/8° series field attachableCircular connector 7/8° series field attachableStraight 180°Circular connector 7/8° series field attachableCircular connector 7/8° series field attachableStraight 180°MaleMaleMaleMaleword contacts3poles (2p.+P.E.)4poles (3p.+P.E.)5poles (4p.+P.E.)6poles (5p.+P.E.)6poles		7/8"-16 UN	7/8"-16 UN	7/8"-16 UN	7/8"-16 UN
able glandCIRCULAR flowerCIRCULAR connector 7/8" series field attachableCircular					
DescriptionCircular connector 7/8" series field attachableCircular connector 7/8" series field attachableContactsBackBlackBlackBlackBlackBlackBlackBlackSeries of field attachableBrass + Sold flashBrass + Sold flashSold AC / DCSold AC / D	lousing type	Straight 180°	Straight 180°	Straight 180°	Straight 180°
field attachablefield attachablefield attachablefield attachablebind acts typeMaleMaleMaleMalebumber of contacts3poles (2p. +P.E.)3poles (3p. +P.E.)5poles (4p. +P.E.)6poles (5p. +P.E.)bousing colourBlackBlackBlackBlackBlackcentractal dataScrew contactsScrew contactsScrew contactscontacts rew torque0.4 N*m0.4 N*m0.4 N*m0.4 N*m0.4 N*mcontacts rew torque0.4 N*m0.4 N*m0.4 N*m0.4 N*mcontacts ranterialBrass + Gold flashBrass + Gold flashBrass + Gold flashBrass + Gold flashcontacts ranterialBrass + Nickel platedBrass + Nickel platedBrass + Nickel platedBrass + Nickel plated/% coupling nut materialBrass + Nickel platedBrass + Nickel platedBrass + Nickel platedBrass + Nickel plated/% coupling nut material0.3 N*m0.8 N*m0.8 N*m0.8 N*m0.8 N*m/% coupling nut material0.3 N*m0.8 N*m0.8 N*m0.8 N*m0.8 N*m/% coupling nut material12A9A9A9A40°C + 00°C/% coupling nut materialNBRNBRNBRNBRNBR/> contacts9A9A9A9A9A/> contacts9A9A9A9A9A/> contage40°C + 90°C-40°C + 90°C-40°C + 90°C-40°C + 90°C/> contage9A9A9A9A	Cable gland	CIRCULAR flower	CIRCULAR flower	CIRCULAR flower	CIRCULAR flower
Humber of contacts3poles (2p. + P.E.)4poles (3p. + P.E.)5poles (4p. + P.E.)6poles (5p. + P.E.)lousing colourBlackBlackBlackBlackBlackventical dataype of terminationScrew contactsScrew contactsScrew contactsScrew contactsionitact screw torque0.4 N*m0.4 N*m0.4 N*m0.4 N*mionitacts screw torque0.4 N*m0.4 N*m0.4 N*m0.4 N*mionitacts materialBrass + Gold flashBrass + Gold flashBrass + Gold flashBrass + Gold flashionitacts materialBrass + Nickel platedBrass + Nickel platedBrass + Nickel platedBrass + Nickel platedionitor und materialBrass + Nickel platedBrass + Nickel platedBrass + Nickel platedBrass + Nickel platedisouping nut torque0.8 N*m0.8 N*m0.8 N*m0.8 N*m0.8 N*misouping nut torque0.8 N*m0.8 N*m0.8 N*m0.8 N*misted voltage300V AC / DC300V AC / DC300V AC / DC300V AC / DCisouping nut torque12A9A9A9Aiermerature range-40°C + 90°C-40°C + 90°C-40°C + 90°Ci-ring materialNBRNBRNBRNBRiuitable cableØ 6.5 - 9.5mmØ 6.5 - 9.5mmØ 6.5 - 9.5mmiuitable cableØ 6.5 - 9.5mmØ 6.5 - 9.5mmØ 6.5 - 9.5mmJec handiuitable cableI pc / bag1 pc / bag1 pc / bag1 pc / bag	Description				-
black Black Black Black Black Black Black 'echnical data ''echnical data Screw contacts Screw contacts Screw contacts Screw contacts Screw contacts Screw contacts 'or diamond for the minimum set of the minimum set	Contacts type	Male	Male	Male	Male
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Atted voltage 300V AC / DC 300V AC / DC 300V AC / DC 300V AC / DC itated current 12A 9A 9A 9A emperature range -40°C + 90°C -40°C + 90°C -40°C + 90°C -40°C + 90°C ining material NBR NBR NBR NBR NBR uitable cable Ø 6.5 - 9.5mm Ø 6.5 - 9.5mm Ø 6.5 - 9.5mm Ø 6.5 - 9.5mm initable cable Ø 6.5 - 9.5mm Ø 6.5 - 9.5mm Ø 6.5 - 9.5mm Ø 6.5 - 9.5mm initable cable Ø 6.5 - 9.5mm Ø 6.5 - 9.5mm Ø 6.5 - 9.5mm Ø 6.5 - 9.5mm initable cable Ø 6.5 - 9.5mm Ø 6.5 - 9.5mm Ø 6.5 - 9.5mm Ø 6.5 - 9.5mm initable cable Ø 6.5 - 9.5mm Ø 6.5 - 9.5mm Ø 6.5 - 9.5mm Ø 6.5 - 9.5mm initable cable Ø 6.5 - 9.5mm Ø 6.5 - 9.5mm Ø 6.5 - 9.5mm Ø 6.5 - 9.5mm initable cable Ø 6.5 - 9.5mm Ø 6.5 - 9.5mm Ø 6.5 - 9.5mm Ø 6.5 - 9.5mm initable cable Ø 6.5 - 9.5mm Ø 6.5 - 9.5mm Ø 6.5 - 9.5mm Ø 6.5 - 9.5mm initable cable Ø 6.5 - 9.5mm Ø 6.5 - 9.5mm Ø 6.5 - 9.5mm		•			
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Aty/Bag 1 pc / bag 1 pc / bag 1 pc / bag 1 pc / bag	Dakaging				
Other accessories options		1 pc / bac	1 nc / haq	1 nc / hag	1 nc / hag
		1 pc / bay	i hr / nañ	i pu / Day	i hr / nañ

Moulded cable connectors - General features and codification scheme



• GENERAL FEATURES OF MOULDED CONNECTORS:

Conductor cross section : 1.50mm²(16AWG).

Fixing system : 7/8" coupling nut.

Max. screw torque IEC60947-1 7/8" coupling nut torque 0.8 N*m.

Type of terminations : Solder wires.

Contact material and treatment :

Housing material : Polypropylene.

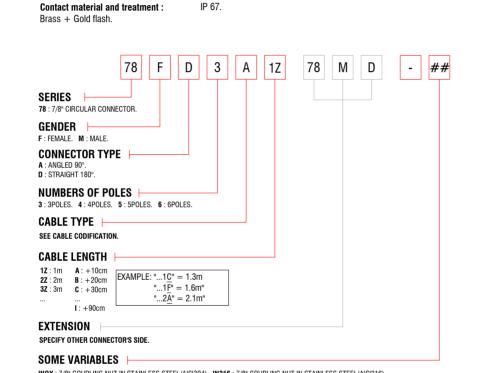
Protection class :

PVC

Internal core material :

Operating temperature : -40°C +90°C.

Coupling nut material : Brass+Nickel plated. Stainless steel AISI304(upon request). Stainless steel AISI316(upon request).



INOX : 7/8" COUPLING NUT IN STAINLESS STEEL (AISI304). IN316 : 7/8" COUPLING NUT IN STAINLESS STEEL (AISI316). HN : HEXAGONAL 7/8" COUPLING NUT. S : Special stripping/peeling-tinng. Y : WITHOUT H.T.P.LOGO.

• CABLE CODIFICATION:

Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C
					3	ø 7.8mm	-20°C / +80°C
A	PVC/PVC	CEI2022	Black	1.50mm ²	4	ø 10.2mm	-20°C / +80°C
					5	ø 11mm	-20°C / +80°C
					3 *	ø 7.8mm	-40°C / +80°C
C	PUR/PUR		Black	1.50mm ²	4 *	ø 10.2mm	-40°C / +80°C
					5 *	ø 11mm	-40°C / +80°C
*	= Cables	with minimu	m quan	itity requi	red.		-

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Moulded cable connectors

	5				C)	
Technical drawing			• • • (1 • • (2) • • (3) • • (4)			
Product description						
Connector type	Circular connector w	ith moulded cable	Circular connector wi	th moulded cable	Circular connector v	with moulded cable
Conforms to						
Construction type	7/8"-16 UN		7/8"-16 UN		7/8"-16 UN	
Description	cable	/8" series with moulded	cable	8" series with moulded	cable	7/8" series with moulded
Part number	78FD3A1Z	78FA3A1Z	78FD4A1Z	78FA4A1Z	78FD5A1Z	78FA5A1Z
louging type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°
nousing type	ou aight 100					
	Moulded cable		Moulded cable		Moulded cable	
Cable gland			Moulded cable Female		Moulded cable Female	
Cable gland Contacts type	Moulded cable Female					
Cable gland Contacts type Number of contacts	Moulded cable		Female		Female	
Cable gland Contacts type Number of contacts Housing colour	Moulded cable Female 3poles (2p.+P.E.)		Female 4poles (3p.+P.E.)		Female 5poles (4p.+P.E.)	
Cable gland Contacts type Number of contacts Housing colour Fechnical data	Moulded cable Female 3poles (2p.+P.E.)	ires	Female 4poles (3p.+P.E.)	es	Female 5poles (4p.+P.E.)	vires
Cable gland Contacts type Number of contacts Housing colour Fechnical data Fype of termination	Moulded cable Female 3poles (2p.+P.E.) Black	ires	Female 4poles (3p.+P.E.) Black	es	Female 5poles (4p. + P.E.) Black	vires
Cable gland Contacts type Number of contacts Housing colour Technical data Type of termination Contacts material	Moulded cable Female 3poles (2p.+P.E.) Black Contacts to solder wi	ires	Female 4poles (3p. + P.E.) Black Contacts to solder win	es	Female 5poles (4p. + P.E.) Black Contacts to solder w	vires
Cable gland Contacts type Number of contacts Housing colour Technical data Type of termination Contacts material Coupling nut type	Moulded cable Female 3poles (2p.+P.E.) Black Contacts to solder wi Brass+Gold flash		Female 4poles (3p. + P.E.) Black Contacts to solder win Brass + Gold flash	es	Female 5poles (4p. +P.E.) Black Contacts to solder w Brass + Gold flash	
Cable gland Contacts type Number of contacts Housing colour Technical data Type of termination Contacts material Coupling nut type 7/8 " coupling nut material	Moulded cable Female 3poles (2p.+P.E.) Black Contacts to solder wi Brass+Gold flash Knurl round		Female 4poles (3p.+P.E.) Black Contacts to solder win Brass+Gold flash Knurl round	ïes	Female 5poles (4p. +P.E.) Black Contacts to solder w Brass + Gold flash Knurl round	
Cable gland Contacts type Number of contacts Housing colour Fechnical data Type of termination Contacts material Coupling nut type 7/8 " coupling nut material 7/8 " coupling nut torque	Moulded cable Female 3poles (2p.+P.E.) Black Contacts to solder wi Brass+Gold flash Knurl round Brass+Nickel plated		Female 4poles (3p. + P.E.) Black Contacts to solder wi Brass + Gold flash Knurl round Brass + Nickel plated		Female 5poles (4p. +P.E.) Black Contacts to solder w Brass + Gold flash Knurl round Brass + Nickel plated	1
Cable gland Contacts type Number of contacts Housing colour Fechnical data Type of termination Contacts material Coupling nut type 7/8 " coupling nut material 7/8 " coupling nut torque Rated voltage	Moulded cable Female 3poles (2p. + P.E.) Black Contacts to solder wi Brass + Gold flash Knurl round Brass + Nickel plated 0.8 N*m		Female 4poles (3p. + P.E.) Black Contacts to solder wi Brass + Gold flash Knurl round Brass + Nickel plated 0.8 N*m		Female 5poles (4p. +P.E.) Black Contacts to solder w Brass + Gold flash Knurl round Brass + Nickel plated 0.8 N*m	1
Cable gland Contacts type Number of contacts Housing colour Technical data Type of termination Contacts material Coupling nut type 7/8 " coupling nut material 7/8 " coupling nut torque Rated voltage Rated current	Moulded cable Female 3poles (2p. + P.E.) Black Contacts to solder wi Brass + Gold flash Knurl round Brass + Nickel plated 0.8 N*m 300V AC / DC (max.6)		Female 4poles (3p. + P.E.) Black Contacts to solder wi Brass + Gold flash Knurl round Brass + Nickel plated 0.8 N*m 300V AC / DC (max.6		Female 5poles (4p. +P.E.) Black Contacts to solder w Brass + Gold flash Knurl round Brass + Nickel platec 0.8 N*m 300V AC / DC (max	1
Cable gland Contacts type Number of contacts Housing colour Fechnical data Type of termination Contacts material Coupling nut type 7/8 " coupling nut material 7/8 " coupling nut torque Rated voltage Rated current D-ring material	Moulded cable Female 3poles (2p. + P.E.) Black Contacts to solder wi Brass + Gold flash Knurl round Brass + Nickel plated 0.8 N*m 300V AC / DC (max.6)		Female 4poles (3p. + P.E.) Black Contacts to solder wi Brass + Gold flash Knurl round Brass + Nickel plated 0.8 N*m 300V AC / DC (max.6 10A		Female 5poles (4p. +P.E.) Black Contacts to solder w Brass + Gold flash Knurl round Brass + Nickel platec 0.8 N*m 300V AC / DC (max. 8A	1
Cable gland Contacts type Number of contacts Housing colour Fechnical data Type of termination Contacts material Coupling nut type 7/8 " coupling nut material 7/8 " coupling nut torque Rated voltage Rated current D-ring material Cable type	Moulded cable Female 3poles (2p. + P.E.) Black Contacts to solder wi Brass + Gold flash Knurl round Brass + Nickel plated 0.8 N*m 300V AC / DC (max.6 13A NBR		Female 4poles (3p. + P.E.) Black Contacts to solder wi Brass + Gold flash Knurl round Brass + Nickel plated 0.8 N*m 300V AC / DC (max.6) 10A NBR		Female 5poles (4p. +P.E.) Black Contacts to solder w Brass + Gold flash Knurl round Brass + Nickel platec 0.8 N*m 300V AC / DC (max. 8A NBR	1
Cable gland Contacts type Number of contacts Housing colour Fechnical data Type of termination Contacts material Coupling nut type 7/8 " coupling nut material 7/8 " coupling nut torque Rated voltage Rated voltage Rated current D-ring material Cable type Cable jacket colour	Moulded cable Female 3poles (2p. + P.E.) Black Contacts to solder wi Brass + Gold flash Knurl round Brass + Nickel plated 0.8 N*m 300V AC / DC (max.6 13A NBR PVC/PVC CEI2022		Female 4poles (3p. + P.E.) Black Contacts to solder wi Brass + Gold flash Knurl round Brass + Nickel plated 0.8 N*m 300V AC / DC (max.6 10A NBR PVC/PVC CEI2022		Female 5poles (4p. +P.E.) Black Contacts to solder w Brass + Gold flash Knurl round Brass + Nickel plated 0.8 N*m 300V AC / DC (max. 8A NBR PVC/PVC CEI2022	1
Cable gland Contacts type Number of contacts Housing colour Technical data Type of termination Contacts material Coupling nut type 7/8 " coupling nut material 7/8 " coupling nut torque Rated voltage Rated voltage Rated current O-ring material Cable type Cable jacket colour No.Conductors / Section	Moulded cable Female 3poles (2p. + P.E.) Black Contacts to solder wi Brass + Gold flash Knurl round Brass + Nickel plated 0.8 N*m 300V AC / DC (max.6 13A NBR PVC/PVC CEI2022 Black	600V AC/DC)	Female 4poles (3p. + P.E.) Black Contacts to solder wi Brass + Gold flash Knurl round Brass + Nickel plated 0.8 N*m 300V AC / DC (max.6 10A NBR PVC/PVC CEI2022 Black	00V AC/DC)	Female 5poles (4p. + P.E.) Black Contacts to solder w Brass + Gold flash Knurl round Brass + Nickel plated 0.8 N*m 300V AC / DC (max. 8A NBR PVC/PVC CEI2022 Black 5x1.50mm ²	1
Cable gland Contacts type Number of contacts Housing colour Technical data Type of termination Contacts material Coupling nut type 7/8 " coupling nut material 7/8 " coupling nut torque Rated voltage Rated voltage Rated current O-ring material Cable type Cable jacket colour No.Conductors / Section Conductor colours	Moulded cable Female 3poles (2p.+P.E.) Black Contacts to solder wi Brass+Gold flash Knurl round Brass+Nickel plated 0.8 N*m 300V AC / DC (max.6 13A NBR PVC/PVC CEI2022 Black 3x1.50mm ²	600V AC/DC)	Female 4poles (3p. + P.E.) Black Contacts to solder win Brass + Gold flash Knurl round Brass + Nickel plated 0.8 N*m 300V AC / DC (max.6) 10A NBR PVC/PVC CEI2022 Black 4x1.50mm ²	00V AC/DC)	Female 5poles (4p. + P.E.) Black Contacts to solder w Brass + Gold flash Knurl round Brass + Nickel plated 0.8 N*m 300V AC / DC (max. 8A NBR PVC/PVC CEI2022 Black 5x1.50mm ²	i 600V AC/DC)
Cable gland Contacts type Number of contacts Housing colour Technical data Type of termination Contacts material Coupling nut type 7/8 " coupling nut material 7/8 " coupling nut torque Rated voltage Rated voltage Rated voltage Cable jacket colour No.Conductors / Section Conductor colours Cable diameter	Moulded cable Female 3poles (2p.+P.E.) Black Contacts to solder wi Brass + Gold flash Knurl round Brass + Nickel plated 0.8 N*m 300V AC / DC (max.6 13A NBR PVC/PVC CEI2022 Black 3x1.50mm ² Yellow/green; Brown	600V AC/DC)	Female 4poles (3p.+P.E.) Black Contacts to solder win Brass + Gold flash Knurl round Brass + Nickel plated 0.8 N*m 300V AC / DC (max.6) 10A NBR PVC/PVC CEI2022 Black 4x1.50mm ² Black; Blue; Brown; Y	00V AC/DC)	Female 5poles (4p. +P.E.) Black Contacts to solder w Brass + Gold flash Knurl round Brass + Nickel plated 0.8 N*m 300V AC / DC (max. 8A NBR PVC/PVC CEI2022 Black 5x1.50mm ² White; Blue; Yellow/	i 600V AC/DC)
Cable gland Contacts type Number of contacts Housing colour Technical data Type of termination Contacts material Coupling nut type 7/8 " coupling nut material 7/8 " coupling nut torque Rated voltage Rated voltage Rated current O-ring material Cable type Cable jacket colour No.Conductors / Section Conductor colours Cable diameter Cable length	Moulded cable Female 3poles (2p.+P.E.) Black Contacts to solder wi Brass+Gold flash Knurl round Brass+Nickel plated 0.8 N*m 300V AC / DC (max.6 13A NBR PVC/PVC CEI2022 Black 3x1.50mm ² Yellow/green; Brown Ø7.8mm (±0.3)	600V AC/DC)	Female 4poles (3p.+P.E.) Black Contacts to solder win Brass+Gold flash Knurl round Brass+Nickel plated 0.8 N*m 300V AC / DC (max.6) 10A NBR PVC/PVC CEI2022 Black 4x1.50mm ² Black; Blue; Brown; Y ø10.2mm (±0.3)	00V AC/DC)	Female 5poles (4p.+P.E.) Black Contacts to solder w Brass + Gold flash Knurl round Brass + Nickel plated 0.8 N*m 300V AC / DC (max 8A NBR PVC/PVC CEI2022 Black 5x1.50mm ² White; Blue; Yellow/ ø11mm (±0.3)	i 600V AC/DC)
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Notes: Connectors available with different feautures: See the general features and codification scheme page

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Moulded cable connectors



Technical drawing				1		
		1 2 3	 o o 	1		
Product description Connector type	Circular connector	with moulded cable	Circular connector	with moulded cable	Circular connector	with moulded cable
Conforms to						
Construction type	7/8"-16 UN		7/8"-16 UN		7/8"-16 UN	
Description		7/8" series with moulded		7/8" series with moulded		7/8" series with moul
	cable		cable		cable	
Part number	78MD3A1Z	78MA3A1Z	78MD4A1Z	78MA4A1Z	78MD5A1Z	78MA5A1Z
Housing type	Straight 180°	Angled 90°	Straight 180°			
			-	Angled 90°	Straight 180°	Angled 90°
	Moulded cable	-	Moulded cable	Angled 90°	Straight 180° Moulded cable	
Contacts type	Male		Moulded cable Male	Angled 90°	Moulded cable Male	
Contacts type lumber of contacts	Male 3poles (2p.+P.E.)		Moulded cable Male 4poles (3p.+P.E.)	Angled 90°	Moulded cable Male 5poles (4p.+P.E.)	
Contacts type Number of contacts Housing colour	Male		Moulded cable Male	Angled 90°	Moulded cable Male	
Contacts type Number of contacts Housing colour Fechnical data	Male 3poles (2p. + P.E.) Black		Moulded cable Male 4poles (3p. + P.E.) Black		Moulded cable Male 5poles (4p.+P.E.) Black	Angled 90°
Contacts type Number of contacts Housing colour Fechnical data Type of termination	Male 3poles (2p.+P.E.) Black Contacts to solder v		Moulded cable Male 4poles (3p. + P.E.) Black Contacts to solder		Moulded cable Male 5poles (4p. + P.E.) Black Contacts to solder	Angled 90°
Contacts type Number of contacts Housing colour Fechnical data Fype of termination Contacts material	Male 3poles (2p.+P.E.) Black Contacts to solder v Brass+Gold flash		Moulded cable Male 4poles (3p. + P.E.) Black Contacts to solder Brass + Gold flash		Moulded cable Male 5poles (4p. + P.E.) Black Contacts to solder Brass + Gold flash	Angled 90°
Contacts type Number of contacts Housing colour Fechnical data Fype of termination Contacts material Coupling nut type	Male 3poles (2p. +P.E.) Black Contacts to solder v Brass + Gold flash Knurl round	wires	Moulded cable Male 4poles (3p. + P.E.) Black Contacts to solder Brass + Gold flash Knurl round	wires	Moulded cable Male 5poles (4p. + P.E.) Black Contacts to solder Brass + Gold flash Knurl round	Angled 90° wires
Contacts type Number of contacts Housing colour Fechnical data Type of termination Contacts material Coupling nut type 7/8 " coupling nut material	Male 3poles (2p. +P.E.) Black Contacts to solder v Brass + Gold flash Knurl round Brass + Nickel plate	wires	Moulded cable Male 4poles (3p. + P.E.) Black Contacts to solder Brass + Gold flash Knurl round Brass + Nickel plate	wires	Moulded cable Male 5poles (4p. + P.E.) Black Contacts to solder Brass + Gold flash Knurl round Brass + Nickel plate	Angled 90° wires
Contacts type Number of contacts Housing colour Fechnical data Type of termination Contacts material Coupling nut type 7/8 " coupling nut material 7/8 " coupling nut torque	Male 3poles (2p. +P.E.) Black Contacts to solder v Brass + Gold flash Knurl round Brass + Nickel plater 0.8 N*m	wires	Moulded cable Male 4poles (3p. + P.E.) Black Contacts to solder Brass + Gold flash Knurl round Brass + Nickel plate 0.8 N*m	wires d	Moulded cable Male 5poles (4p. + P.E.) Black Contacts to solder Brass + Gold flash Knurl round Brass + Nickel plate 0.8 N*m	Angled 90° wires
Contacts type Number of contacts Housing colour Fechnical data Type of termination Contacts material Coupling nut type 7/8 " coupling nut material 7/8 " coupling nut torque Rated voltage	Male 3poles (2p. +P.E.) Black Contacts to solder v Brass + Gold flash Knurl round Brass + Nickel plate 0.8 N*m 300V AC / DC (max	wires	Moulded cable Male 4poles (3p. + P.E.) Black Contacts to solder Brass + Gold flash Knurl round Brass + Nickel plate 0.8 N*m 300V AC / DC (max	wires d	Moulded cable Male 5poles (4p. +P.E.) Black Contacts to solder Brass + Gold flash Knurl round Brass + Nickel plate 0.8 N*m 300V AC / DC (max	Angled 90° wires
Contacts type Number of contacts Housing colour Fechnical data Type of termination Contacts material Coupling nut type 7/8 " coupling nut material 7/8 " coupling nut torque Rated voltage Rated current	Male 3poles (2p. +P.E.) Black Contacts to solder v Brass + Gold flash Knurl round Brass + Nickel plate 0.8 N*m 300V AC / DC (max 13A	wires	Moulded cable Male 4poles (3p. + P.E.) Black Contacts to solder Brass + Gold flash Knurl round Brass + Nickel plate 0.8 N*m 300V AC / DC (may 10A	wires d	Moulded cable Male 5poles (4p. + P.E.) Black Contacts to solder Brass + Gold flash Knurl round Brass + Nickel plate 0.8 N*m 300V AC / DC (max 8A	Angled 90° wires
Contacts type Aumber of contacts Housing colour Fechnical data Type of termination Contacts material Coupling nut type 7/8 " coupling nut material 7/8 " coupling nut torque Rated voltage Rated current D-ring material	Male 3poles (2p. +P.E.) Black Contacts to solder v Brass + Gold flash Knurl round Brass + Nickel plate 0.8 N*m 300V AC / DC (max 13A -	wires	Moulded cable Male 4poles (3p. + P.E.) Black Contacts to solder Brass + Gold flash Knurl round Brass + Nickel plate 0.8 N*m 300V AC / DC (max 10A -	wires d	Moulded cable Male 5poles (4p. + P.E.) Black Contacts to solder Brass + Gold flash Knurl round Brass + Nickel plate 0.8 N*m 300V AC / DC (max 8A -	Angled 90° wires
Contacts type Number of contacts Housing colour Fechnical data Type of termination Contacts material Coupling nut type 7/8 " coupling nut material 7/8 " coupling nut torque Rated voltage Rated current D-ring material Cable type	Male 3poles (2p. +P.E.) Black Contacts to solder v Brass + Gold flash Knurl round Brass + Nickel plate 0.8 N*m 300V AC / DC (max 13A - PVC/PVC CEI2022	wires	Moulded cable Male 4poles (3p. + P.E.) Black Contacts to solder Brass + Gold flash Knurl round Brass + Nickel plate 0.8 N*m 300V AC / DC (max 10A - PVC/PVC CEI2022	wires d	Moulded cable Male 5poles (4p. +P.E.) Black Contacts to solder Brass + Gold flash Knurl round Brass + Nickel plate 0.8 N*m 300V AC / DC (max 8A - PVC/PVC CEI2022	Angled 90° wires
Contacts type Number of contacts Housing colour Fechnical data Type of termination Contacts material Coupling nut type 7/8 " coupling nut material 7/8 " coupling nut torque Rated voltage Rated current D-ring material Cable type Cable jacket colour	Male 3poles (2p. +P.E.) Black Contacts to solder v Brass + Gold flash Knurl round Brass + Nickel plate 0.8 N*m 300V AC / DC (max 13A - PVC/PVC CEI2022 Black	wires	Moulded cable Male 4poles (3p. + P.E.) Black Contacts to solder Brass + Gold flash Knurl round Brass + Nickel plate 0.8 N*m 300V AC / DC (max 10A - PVC/PVC CEI2022 Black	wires d	Moulded cable Male 5poles (4p. + P.E.) Black Contacts to solder Brass + Gold flash Knurl round Brass + Nickel plate 0.8 N*m 300V AC / DC (max 8A - PVC/PVC CEI2022 Black	Angled 90° wires
Contacts type Number of contacts Housing colour Technical data Type of termination Contacts material Coupling nut type 7/8 " coupling nut material 7/8 " coupling nut torque Rated voltage Rated current O-ring material Cable type Cable jacket colour No.Conductors / Section	Male 3poles (2p. +P.E.) Black Contacts to solder v Brass + Gold flash Knurl round Brass + Nickel plate 0.8 N*m 300V AC / DC (max 13A - PVC/PVC CEI2022 Black 3x1.50mm ²	wires d k.600V AC/DC)	Moulded cable Male 4poles (3p. +P.E.) Black Contacts to solder Brass + Gold flash Knurl round Brass + Nickel plate 0.8 N*m 300V AC / DC (max 10A - PVC/PVC CEI2022 Black 4x1.50mm ²	d c.600V AC/DC)	Moulded cable Male 5poles (4p. + P.E.) Black Contacts to solder Brass + Gold flash Knurl round Brass + Nickel plate 0.8 N*m 300V AC / DC (max 8A - PVC/PVC CEI2022 Black 5x1.50mm ²	Angled 90° wires d c.600V AC/DC)
Contacts type Number of contacts Housing colour Technical data Type of termination Contacts material Coupling nut type 7/8 " coupling nut material 7/8 " coupling nut torque Rated voltage Rated voltage Rated current D-ring material Cable type Cable jacket colour No.Conductors / Section Conductor colours	Male 3poles (2p. +P.E.) Black Contacts to solder v Brass + Gold flash Knurl round Brass + Nickel plate 0.8 N*m 300V AC / DC (max 13A - PVC/PVC CEI2022 Black 3x1.50mm ² Yellow/green; Brow	wires d k.600V AC/DC)	Moulded cable Male 4poles (3p. +P.E.) Black Contacts to solder Brass + Gold flash Knurl round Brass + Nickel plate 0.8 N*m 300V AC / DC (max 10A - PVC/PVC CEI2022 Black 4x1.50mm ² Black; Blue; Brown	d c.600V AC/DC)	Moulded cable Male 5poles (4p. + P.E.) Black Contacts to solder Brass + Gold flash Knurl round Brass + Nickel plate 0.8 N*m 300V AC / DC (max 8A - PVC/PVC CEI2022 Black 5x1.50mm ² White; Blue; Yellow	Angled 90° wires
Contacts type Number of contacts Housing colour Technical data Type of termination Contacts material Coupling nut type 7/8 " coupling nut material 7/8 " coupling nut torque Rated voltage Rated current D-ring material Cable type Cable jacket colour No.Conductors / Section Conductor colours Cable diameter	Male 3poles (2p. +P.E.) Black Contacts to solder v Brass + Gold flash Knurl round Brass + Nickel plate 0.8 N*m 300V AC / DC (max 13A - PVC/PVC CEI2022 Black 3x1.50mm ² Yellow/green; Brow Ø7.8mm (±0.3)	wires d k.600V AC/DC)	Moulded cable Male 4poles (3p. + P.E.) Black Contacts to solder Brass + Gold flash Knurl round Brass + Nickel plate 0.8 N*m 300V AC / DC (max 10A - PVC/PVC CEI2022 Black 4x1.50mm ² Black; Blue; Brown ø10.2mm (±0.3)	d c.600V AC/DC)	Moulded cable Male 5poles (4p. + P.E.) Black Contacts to solder Brass + Gold flash Knurl round Brass + Nickel plate 0.8 N*m 300V AC / DC (max 8A - PVC/PVC CEI2022 Black 5x1.50mm ² White; Blue; Yellow ø11mm (±0.3)	Angled 90° wires d c.600V AC/DC)
Cable gland Contacts type Number of contacts Housing colour Technical data Type of termination Contacts material Coupling nut type Coupling nut type 7/8 " coupling nut material 7/8 " coupling nut torque Rated voltage Rated voltage Rated current O-ring material Cable type Cable jacket colour No.Conductors / Section Conductor colours Cable diameter Cable length Packaging	Male 3poles (2p. +P.E.) Black Contacts to solder v Brass + Gold flash Knurl round Brass + Nickel plate 0.8 N*m 300V AC / DC (max 13A - PVC/PVC CEI2022 Black 3x1.50mm ² Yellow/green; Brow	wires d k.600V AC/DC)	Moulded cable Male 4poles (3p. +P.E.) Black Contacts to solder Brass + Gold flash Knurl round Brass + Nickel plate 0.8 N*m 300V AC / DC (max 10A - PVC/PVC CEI2022 Black 4x1.50mm ² Black; Blue; Brown	d c.600V AC/DC)	Moulded cable Male 5poles (4p. + P.E.) Black Contacts to solder Brass + Gold flash Knurl round Brass + Nickel plate 0.8 N*m 300V AC / DC (max 8A - PVC/PVC CEI2022 Black 5x1.50mm ² White; Blue; Yellow	Angled 90° wires d c.600V AC/DC)



Panel mount connectors - General features and codification scheme

• GENERAL FEATURES PANEL MOUNT CONNECTORS:

Conductor cross section : 1.50mm2(16AWG).

Fixing system :

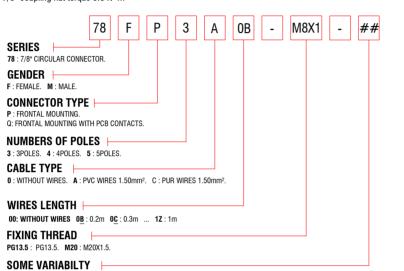
7/8" coupling nut.

Type of terminations : Solder wires. Solder PCB.

Brass+Nickel plated Stainless Steel AISI304 (upon request). Stainless Steel AISI316 Contact material and treatment : Brass + Gold flash. (upon request)

Housing material :

Max. screw torque IEC60947-1 7/8" coupling nut torque 0.8 N*m



Internal core material : PA66.

Operating temperature : -40°C +90°C.

Flammability resistance : V2 - Standard.

Protection class : IP 67 (assembled).

INOX : 7/8" COUPLING NUT IN STAINLESS STEEL (AISI304). IN316 : 7/8" COUPLING NUT IN STAINLESS STEEL (AISI316). CO : CONNECTOR WITH CABLE. CUT : FIXING THREAD WITH ANTIROTATION CUT.

FRONT MOUNTING: The type of mounting of the panel connector into the panel is

BACK MOUNTING:

The type of mounting of the panel connector into the panel is

defined with reference to the way the connector is mounted into the panel. In front mounting the mobile nut is in the back side towards the panel. defined with reference to the way the connector is mounted into the panel. In back mounting the mobile nut is in the front side towards the panel. MOBILE NUT(SW25) PANEL 0-RING nnn PANFI MOBILE NUT(SW25) 0-RING 26 bbc **PANEL FEATURES:** Suitable for standard connecto Suitable for connector PG13.5 with cut on the fixed thread. PG13.5 0-RING 20.6-0.1 20.6-0.1 nnn PANEL MOBILE NUT(SW25) 19^{+0.1} Q MAX.3

Panel mount connectors









Technical drawing				
-	oC1 oC2 oC3	0		
Sw25	50 50 50 50 50 50 50 50 50 50 50 50 50 5			
Product description				
Connector type	Circular connector to panel	Circular connector to panel	Circular connector to panel	
Conforms to	-	-	-	
Construction type	7/8"-16 UN	7/8"-16 UN	7/8"-16 UN	
Description	Circular connector 7/8" series to PANEL.	Circular connector 7/8" series to PANEL with contacts suitable for solder PCB.	Circular connector 7/8" series to PANEL wit PVC soldered wires.	
Part number	78FP3000-PG13.5	78FQ3000-PG13.5	78FP3A0C-PG13.5	
Mounting type	Frontal side of the panel	Frontal side of the panel	Frontal side of the panel	
Contacts type	Female	Female	Female	
Number of contacts	3poles	3poles	3poles	
Fixing Thread	PG13.5	PG13.5	PG13.5	
Technical data				
Type of termination	Contacts to solder wires	Contacts to solder for PCB	Contacts to solder wires	
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash	
Housing /coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated	
Mobile nut material(SW)	Brass+Nickel plated (SW25)	Brass+Nickel plated (SW25)	Brass+Nickel plated (SW25)	
7/8" coupling nut torque	0.8 N*m	0.8 N*m	0.8 N*m	
Rated voltage	300V AC / DC (max.600V AC/DC)	300V AC / DC (max.600V AC/DC)	300V AC / DC (max.600V AC/DC)	
Rated current	12A	12A	12A	
O-ring material	NBR	NBR	NBR	
Cable type	-	-	PVC	
No.Conductors / Section	-	-	3 x 1.50mm ²	
Conductor colours	-	-	Yellow/green; Brown; Blue;	
Cable diameter	-	-	-	
Cable length	-	-	0.3m	
Packaging				
Qty/Bag	Not defined	Not defined	Not defined	
aly/bug				



Panel mount connectors







Technical drawing			. 7/8"-16 UN-24 .	
Sw25	C 1 C 2 C 2 C 3 C 4			
Product description				
Connector type	Circular connector to panel	Circular connector to panel	Circular connector to panel	
Conforms to	-	-	-	
Construction type	7/8"-16 UN	7/8"-16 UN	7/8"-16 UN	
Description	Circular connector 7/8" series to PANEL.	Circular connector 7/8" series to PANEL with contacts suitable for solder PCB.	Circular connector 7/8" series to PANEL wire PVC soldered wires.	
Part number	78FP4000-PG13.5	78FQ4000-PG13.5	78FP4A0C-PG13.5	
Mounting type	Frontal side of the panel	Frontal side of the panel	Frontal side of the panel	
Contacts type	Female	Female	Female	
Number of contacts	4poles	4poles	4poles	
Fixing Thread	PG13.5	PG13.5	PG13.5	
Technical data				
Type of termination	Contacts to solder wires	Contacts to solder for PCB	Contacts to solder wires	
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash	
Housing /coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated	
Mobile nut material(SW)	Brass+Nickel plated (SW25)	Brass+Nickel plated (SW25)	Brass+Nickel plated (SW25)	
7/8" coupling nut torque	0.8 N*m	0.8 N*m	0.8 N*m	
Rated voltage	300V AC / DC (max.600V AC/DC)	300V AC / DC (max.600V AC/DC)	300V AC / DC (max.600V AC/DC)	
Rated current	9A	9A	9A	
O-ring material	NBR	NBR	NBR	
Cable type	-	-	PVC	
No.Conductors / Section	•	-	4 x 1.50mm ²	
Conductor colours	-	-	Black; Blue; Brown; Yellow/green;	
Cable diameter	-	-	-	
Cable length	•	•	0.3m	
Packaging				
Qty/Bag	Not definited	Not defined	Not defined	
Other accessories options				
-				

Panel mount connectors









Technical drawing			. 7/8"-16 UN .	
SW25				
Product description				
Connector type	Circular connector to panel	Circular connector to panel	Circular connector to panel	
Conforms to	-	-	-	
Construction type	7/8"-16 UN	7/8"-16 UN	7/8"-16 UN	
Description	Circular connector 7/8" series to PANEL.	Circular connector 7/8" series to PANEL with contacts suitable for solder PCB.	Circular connector 7/8" series to PANEL wir PVC soldered wires.	
Part number	78FP4000-PG13.5	78FQ5000-PG13.5	78FP5A0C-PG13.5	
Mounting type	Frontal side of the panel	Frontal side of the panel	Frontal side of the panel	
Contacts type	Female	Female	Female	
Number of contacts	5poles	5poles	5poles	
Fixing Thread	PG13.5	PG13.5	PG13.5	
Technical data				
Type of termination	Contacts to solder wires	Contacts to solder for PCB	Contacts to solder wires	
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash	
Housing /coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated	
Mobile nut material(SW)	Brass+Nickel plated (SW25)	Brass + Nickel plated (SW25)	Brass+Nickel plated (SW25)	
7/8 " coupling nut torque	0.8 N*m	0.8 N*m	0.8 N*m	
Rated voltage	300V AC / DC (max.600V AC/DC)	300V AC / DC (max.600V AC/DC)	300V AC / DC (max.600V AC/DC)	
Rated current	9A	9A	9A	
O-ring material	NBR	NBR	NBR	
Cable type	-	-	PVC	
No.Conductors / Section	-		5 x 1.50mm ²	
Conductor colours	-	-	White; Blue; Yellow/green; Brown; Black;	
Cable diameter	-		-	
Cable length	•	•	0.3m	
Packaging				
Qty/Bag	Not defined	Not defined	Not defined	
Other accessories options				
other accessories options				



Panel mount connectors

	e e		
Fechnical drawing			. 7/8"-16 UN
	o■ 1 o■ 2 o■ 3	o∎ 1 o∎ 2 o∎ 3	
Sw25	50		
Product description			
Connector type	Circular connector to panel	Circular connector to panel	Circular connector to panel
Conforms to		- ·	-
Construction type	7/8"-16 UN	7/8"-16 UN	7/8"-16 UN
Description	Circular connector 7/8" series to PANEL.	Circular connector 7/8" series to PANEL with contacts suitable for solder PCB.	Circular connector 7/8" series to PANEL w PVC soldered wires.
Part number	78MP3000-PG13.5	78MQ3000-PG13.5	78MP3A0C-PG13.5
Mounting type	Frontal side of the panel	Frontal side of the panel	Frontal side of the panel
Contacts type	Male	Male	Male
Number of contacts	3poles	3poles	3poles
Fixing Thread	PG13.5	PG13.5	PG13.5
echnical data			
Type of termination	Contacts to solder wires	Contacts to solder for PCB	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
lousing /coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Mobile nut material(SW)	Brass+Nickel plated (SW25)	Brass+Nickel plated (SW25)	Brass+Nickel plated (SW25)
7/8 " coupling nut torque	0.8 N*m	0.8 N*m	0.8 N*m
Rated voltage	300V AC / DC (max.600V AC/DC)	300V AC / DC (max.600V AC/DC)	300V AC / DC (max.600V AC/DC)
Rated current	12A	12A	12A
0-ring material	NBR	NBR	NBR
Cable type	-	-	PVC
No.Conductors / Section	-	-	3 x 1.50mm ²
Conductor colours	-	-	Yellow/green; Brown; Blue;
Cable diameter	-	-	-
Cable length	-	-	0.3m
Packaging			
Qty/Bag	Not defined	Not defined	Not defined
Ither accessories options			

Panel mount connectors









Technical drawing				
SW25				
Product description				
Connector type	Circular connector to panel	Circular connector to panel	Circular connector to panel	
Conforms to	-	-	-	
Construction type	7/8"-16 UN	7/8"-16 UN	7/8"-16 UN	
Description	Circular connector 7/8" series to PANEL.	Circular connector 7/8" series to PANEL with contacts suitable for solder PCB.	Circular connector 7/8" series to PANEL with PVC soldered wires.	
Part number	78MP4000-PG13.5	78MQ4000-PG13.5	78MP4A0C-PG13.5	
Mounting type	Frontal side of the panel	Frontal side of the panel	Frontal side of the panel	
Contacts type	Male	Male	Male	
Number of contacts	4poles	4poles	4poles	
Fixing Thread	PG13.5	PG13.5	PG13.5	
Technical data				
Type of termination	Contacts to solder wires	Contacts to solder for PCB	Contacts to solder wires	
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash	
Housing /coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated	
Mobile nut material(SW)	Brass+Nickel plated (SW25)	Brass+Nickel plated (SW25)	Brass+Nickel plated (SW25)	
7/8 " coupling nut torque	0.8 N*m	0.8 N*m	0.8 N*m	
Rated voltage	300V AC / DC (max.600V AC/DC)	300V AC / DC (max.600V AC/DC)	300V AC / DC (max.600V AC/DC)	
Rated current	9A	9A	9A	
O-ring material	NBR	NBR	NBR	
Cable type	-	-	PVC	
No.Conductors / Section	- -	-	4 x 1.50mm ²	
Conductor colours	-	-	Black; Blue; Brown; Yellow/green;	
Cable diameter	-	-	טומנה, טועל, טוטשוו, זלווטש/טוללוו,	
Cable length	- -	-	0.3m	
5				
Packaging				
Packaging Qty/Bag	Not defined	Not defined	Not defined	



Panel mount connectors







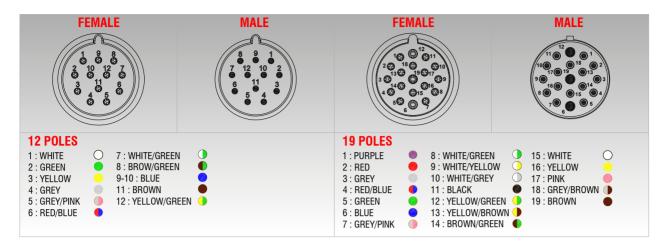
Image: second	Technical drawing				
Connector type Circular connector to panel Circular connector to panel Circular connector to panel Conforms to - - - - Construction type 7/8'-16 UN 7/8'-16 UN 7/8'-16 UN 7/8'-16 UN Description Circular connector 7/8'' series to PANEL. Circular connector 7/8'' series to PANEL. Circular connector 7/8'' series to PANEL. PVC soldered wires. Part number 78MP5000-PG13.5 78MQ5000-PG13.5 76MP5A0C-PG13.5 76MP5A0C-PG13.5 Mounting type Frontal side of the panel Frontal side of the panel Frontal side of the panel Protocolder wires. Contacts type Male Male Male Male Male Number of contacts Spoles Spoles Spoles Spoles Fixing Thread PG13.5 PG13.5 PG13.5 PG13.5 Technical data Brass + Gold flash Brass + Hockel plated Brass + Hockel plated Contacts material Brass + Nickel plated (SW25) Brass + Nickel plated Brass + Nickel plated Mobie nut material(SW) Brass + Nickel plated (SW25) Bras	Sw25		0 		
Conforms to - - - Construction type 7/8"-16 UN 7/8"-16 UN 7/8"-16 UN Description Circular connector 7/8" series to PANEL. Circular connector 7/8" series to PANEL. Circular connector 7/8" series to PANEL. Part number 78MP5000-PG13.5 78MQ5000-PG13.5 78MP500C-PG13.5 Mounting type Frontal side of the panel Frontal side of the panel Frontal side of the panel Contacts type Male Male Male Male Number of contacts 5poles 5poles 5poles Fixing Thread PG13.5 PG13.5 PG13.5 Technical data - - - Technical data Brass + Gold flash Brass + Gold flash Brass + Gold flash Housing /coupling nut material Brass + Nickel plated Brass + Nickel plated Brass + Nickel plated Mole 0.8 N*m 0.8 N*m 0.8 N*m 0.8 N*m Acta dustage 300V AC / DC (max.600V AC/DC) 300V AC / DC (max.600V AC/DC) 300V AC / DC (max.600V AC/DC) Rated vortage 9A 9A 9A 9A O-ring material NBR <td>Product description</td> <td></td> <td></td> <td>1</td>	Product description			1	
Construction type 7/8*-16 UN 7/8*-16 UN 7/8*-16 UN Description Circular connector 7/8* series to PANEL. Circular connector 7/8* series to PANEL vVC soldered wires. Part number 78M9500-PG13.5 78M05000-PG13.5 78M05000-PG13.5 Mounting type Frontal side of the panel Frontal side of the panel Frontal side of the panel Contacts type Male Male Male Number of contacts 5poles 5poles 5poles Fixing Thread PG13.5 PG13.5 PG13.5 Type of termination Contacts to solder wires Contacts to solder solder for PCB Contacts to solder wires Contacts material Brass + Gold flash Brass + Nickel plated Brass + Nickel plated Brass + Nickel plated Mobile nut material(SW) Brass + Nickel plated (SW25) 7/8* coupling nut torque 0.8 N*m 0.8 N*m 0.8 N*m 0.8 N*m Rated voltage 300V AC / DC (max.600V AC/DC) 300V AC / DC (max.600V AC/DC) <td>Connector type</td> <td>Circular connector to panel</td> <td>Circular connector to panel</td> <td>Circular connector to panel</td>	Connector type	Circular connector to panel	Circular connector to panel	Circular connector to panel	
Description Circular connector 7/8" series to PANEL. Circular connector 7/8" series to PANEL with contacts suitable for solder PCB. Circular connector 7/8" series to PANEL with contacts suitable for solder PCB. Circular connector 7/8" series to PANEL with contacts suitable for solder PCB. Circular connector 7/8" series to PANEL with contacts suitable for solder PCB. Circular connector 7/8" series to PANEL with contacts suitable for solder PCB. Circular connector 7/8" series to PANEL with contacts suitable for solder PCB. Circular connector 7/8" series to PANEL with contacts suitable for solder PCB. Circular connector 7/8" series to PANEL with contacts suitable for solder PCB. Circular connector 7/8" series to PANEL with contacts suitable for solder PCB. Circular connector 7/8" series to PANEL with contacts suitable for solder for PCB material Circular connector 7/8" series to PANEL with contacts to solder wires. Contacts material PG13.5 PG13.5 PG13.5 PG13.5 Type of termination Contacts to solder wires Contacts to solder wires Contacts to solder wires Contacts material Brass + Gold flash Brass + Holcel plated Brass + Holcel plated Brass + Nickel plated (SW25) 7.8" coupling nut material Brass + Nickel plated (SW25) 7.8" coupling nut material NBR <td< td=""><td>Conforms to</td><td>-</td><td>-</td><td>-</td></td<>	Conforms to	-	-	-	
Part number78MP5000-PG13.578MQ5000-PG13.578MP5A0C-PG13.5Mounting typeFrontal side of the panelFrontal side of the panelFrontal side of the panelContacts typeMaleMaleMaleNumber of contactsSpolesSpolesSpolesFixing ThreadPG13.5PG13.5PG13.5FreehnetContacts to solder role viresFortal side of the panelFortal side of the panelFreehnetPG13.5PG13.5PG13.5FreehnetContacts to solder viresFortal side of the panelFortal side of the panelFreehnetContacts to solder viresContacts to solder viresFortal side of the panelContacts to solder viresContacts to solder viresContacts to solder viresFortal side of the panelContacts materialBrass + Gold flashBrass + Gold flashBrass + Gold flashBrass + Gold flashMousing / Coupling nut materialBrass + Nickel platedGrass + Nickel platedGrass + Nickel plated (SW25)Na * no0.8 N*m0.8 N*m0.8 N*m0.8 N*mRated voltage300V AC / DC (max.600V AC/DC)300V AC / DC (max.600V AC/DC)300V AC / DC (max.600V AC/DC)No Conductors / SectionConductor oloursCable lengthCable lengthCable lengthCable lengthCable length <t< td=""><td>Construction type</td><td>7/8"-16 UN</td><td>7/8"-16 UN</td><td>7/8"-16 UN</td></t<>	Construction type	7/8"-16 UN	7/8"-16 UN	7/8"-16 UN	
Mounting type Frontal side of the panel Frontal side of the panel Frontal side of the panel Contacts type Male Male Male Number of contacts 5poles 5poles 5poles Fixing Thread PG13.5 PG13.5 PG13.5 Technical data Forntal side of the panel Forntal side of the panel Type of termination Contacts to solder wires Contacts to solder wires Contacts to solder wires Contacts material Brass + Gold flash Brass + Gold flash Brass + Sold flash Housing /coupling nut material Brass + Nickel plated Brass + Nickel plated Brass + Nickel plated Mobile nut material(SW) Brass + Nickel plated (SW25) Rated voltage 300V AC / DC (max.600V AC/DC) 300V AC / DC (max.600V AC/DC) 300V AC / DC (max.600V AC/DC) NBR NBR Sater state	Description	Circular connector 7/8" series to PANEL.		Circular connector 7/8" series to PANEL with PVC soldered wires.	
Contacts typeMaleMaleMaleNumber of contacts5poles5poles5polesFixing ThreadPG13.5PG13.5PG13.5Fechnical dataTerbinical dataTope of terminationContacts to solder wiresContacts to solder wiresContacts materialBrass + Gold flashBrass + Gold flashBrass + Gold flashHousing /coupling nut materialBrass + Nickel platedBrass + Nickel platedBrass + Nickel platedMobile nut material(SWV)Brass + Nickel plated (SW25)Brass + Nickel plated (SW25)Brass + Nickel plated (SW25)7/8 " coupling nut torque0.8 N*m0.8 N*m0.8 N*m0.8 N*mRated voltage300V AC / DC (max.600V AC/DC)300V AC / DC (max.600V AC/DC)300V AC / DC (max.600V AC/DC)Rated voltage300V AC / DC (max.600V AC/DC)300V AC / DC (max.600V AC/DC)300V AC / DC (max.600V AC/DC)Rated voltageConductor s / SectionConductor coloursCable lengthCable lengthPackagingPackagingPackaging	Part number	78MP5000-PG13.5	78MQ5000-PG13.5	78MP5A0C-PG13.5	
Number of contacts Spoles Spoles Spoles Fixing Thread PG13.5 PG13.5 PG13.5 Technical data	Mounting type	Frontal side of the panel	Frontal side of the panel	Frontal side of the panel	
Fixing Thread PG13.5 PG13.5 PG13.5 Technical data Type of termination Contacts to solder wires Contacts to solder for PCB Contacts to solder wires Contacts material Brass + Gold flash Brass + Gold flash Brass + Gold flash Housing /coupling nut material Brass + Nickel plated Brass + Nickel plated Brass + Nickel plated Mobile nut material(SW) Brass + Nickel plated (SW25) Brass + Nickel plated (SW25) Brass + Nickel plated (SW25) 7/8 " coupling nut torque 0.8 N*m 0.8 N*m 0.8 N*m Rated voltage 300V AC / DC (max.600V AC/DC) 300V AC / DC (max.600V AC/DC) 300V AC / DC (max.600V AC/DC) Rated current 9A 9A 9A 9A O-ring material NBR NBR NBR NBR Cable type - - - - No.Conductor colours - - - - Cable length - - - - - Cable length - - - - - - - Cable diameter - - -	Contacts type	Male	Male	Male	
Technical data Image: Contacts to solder wires Contacts to solder for PCB Contacts to solder wires Type of termination Contacts to solder wires Contacts to solder for PCB Contacts to solder wires Contacts material Brass + Gold flash Brass + Gold flash Brass + Gold flash Housing /coupling nut material Brass + Nickel plated Brass + Nickel plated Brass + Nickel plated Mobile nut material(SW) Brass + Nickel plated (SW25) Brass + Nickel plated (SW25) Brass + Nickel plated (SW25) 7/8 " coupling nut torque 0.8 N*m 0.8 N*m 0.8 N*m Rated voltage 300V AC / DC (max.600V AC/DC) 300V AC / DC (max.600V AC/DC) 300V AC / DC (max.600V AC/DC) Rated voltage 300V AC / DC (max.600V AC/DC) 300V AC / DC (max.600V AC/DC) 300V AC / DC (max.600V AC/DC) Rated current 9A 9A 9A O-ring material NBR NBR NBR Cable type - - PVC No.Conductors / Section - - - Cable diameter - - - Cable length - - - Cable length - <td>Number of contacts</td> <td>5poles</td> <td>5poles</td> <td>5poles</td>	Number of contacts	5poles	5poles	5poles	
Type of terminationContacts to solder wiresContacts to solder for PCBContacts to solder wiresContacts materialBrass + Gold flashBrass + Gold flashBrass + Gold flashBrass + Gold flashHousing /coupling nut materialBrass + Nickel platedBrass + Nickel platedBrass + Nickel platedBrass + Nickel platedMobile nut material(SW)Brass + Nickel plated (SW25)Brass + Nickel plated (SW25)Brass + Nickel plated (SW25)Brass + Nickel plated (SW25)7/8 " coupling nut torque0.8 N*m0.8 N*m0.8 N*m0.8 N*mRated voltage300V AC / DC (max.600V AC/DC)300V AC / DC (max.600V AC/DC)300V AC / DC (max.600V AC/DC)Rated current9A9A9A0-ring materialNBRNBRNBRConductors / SectionConductor coloursCable lengthCable lengthRated sectingCable lengthCable length<	Fixing Thread	PG13.5	PG13.5	PG13.5	
Type of terminationContacts to solder wiresContacts to solder for PCBContacts to solder wiresContacts materialBrass + Gold flashBrass + Gold flashBrass + Gold flashBrass + Gold flashHousing /coupling nut materialBrass + Nickel platedBrass + Nickel platedBrass + Nickel platedBrass + Nickel platedMobile nut material(SW)Brass + Nickel plated (SW25)Brass + Nickel plated (SW25)Brass + Nickel plated (SW25)Brass + Nickel plated (SW25)7/8 " coupling nut torque0.8 N*m0.8 N*m0.8 N*m0.8 N*mRated voltage300V AC / DC (max.600V AC/DC)300V AC / DC (max.600V AC/DC)300V AC / DC (max.600V AC/DC)Rated current9A9A9A0-ring materialNBRNBRNBRConductors / SectionConductor coloursCable lengthCable lengthRated sectingCable lengthCable length<	Technical data				
Contacts materialBrass + Gold flashBrass + Gold flashBrass + AGId flashHousing /coupling nut materialBrass + Nickel platedBrass + Nickel platedBrass + Nickel platedMobile nut material(SW)Brass + Nickel plated (SW25)Brass + Nickel plated (SW25)Brass + Nickel plated (SW25)7/8 " coupling nut torque0.8 N*m0.8 N*m0.8 N*m0.8 N*mRated voltage300V AC / DC (max.600V AC/DC)300V AC / DC (max.600V AC/DC)300V AC / DC (max.600V AC/DC)Rated voltage9A9A9AO-ring materialNBRNBRNBRCable typePVCNo.Conductors / Section5 x 1.50mm²Cable diameterCable lengthCable length0.3mMite; Blue; Yellow/green; Brown; BlackPackagingPackaging		Contacts to solder wires	Contacts to solder for PCB	Contacts to solder wires	
Mobile nut material(SW) Brass + Nickel plated (SW25) Brass + Nickel plated (SW25) Brass + Nickel plated (SW25) 7/8 " coupling nut torque 0.8 N*m 0.8 N*m 0.8 N*m Rated voltage 300V AC / DC (max.600V AC/DC) 300V AC / DC (max.600V AC/DC) 300V AC / DC (max.600V AC/DC) Rated voltage 9A 9A 9A O-ring material NBR NBR NBR Cable type - - PVC No.Conductors / Section - 5 x 1.50mm² Cable diameter - - White; Blue; Yellow/green; Brown; Black Cable length - - 0.3m Packaging - - 0.3m		Brass+Gold flash	Brass+Gold flash	Brass+Gold flash	
Mobile nut material(SW) Brass + Nickel plated (SW25) Brass + Nickel plated (SW25) Brass + Nickel plated (SW25) 7/8 " coupling nut torque 0.8 N*m 0.8 N*m 0.8 N*m Rated voltage 300V AC / DC (max.600V AC/DC) 300V AC / DC (max.600V AC/DC) 300V AC / DC (max.600V AC/DC) Rated voltage 300V AC / DC (max.600V AC/DC) 300V AC / DC (max.600V AC/DC) 300V AC / DC (max.600V AC/DC) Rated current 9A 9A 9A O-ring material NBR NBR NBR Cable type - - PVC No.Conductors / Section - - 5 x 1.50mm² Cable diameter - - - Cable length - - - *ackaging - - -	Housing /coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated	
7/8 " coupling nut torque 0.8 N*m 0.8 N*m 0.8 N*m Rated voltage 300V AC / DC (max.600V AC/DC) 300V AC / DC (max.600V AC/DC) 300V AC / DC (max.600V AC/DC) Rated voltage 9A 9A 9A O-ring material NBR NBR NBR Cable type - - PVC No.Conductors / Section - 5 x 1.50mm² Cable diameter - - - Cable length - - - Cable length - - - Yackaging - - -		· · · · · · · · · · · · · · · · · · ·	•	•	
Rated voltage 300V AC / DC (max.600V AC/DC) 300V AC / DC (max.600V AC/DC) Rated current 9A 9A O-ring material NBR NBR Cable type - PVC No.Conductors / Section - 5 x 1.50mm² Conductor colours - - Cable diameter - - Cable length - - Cable length - - Packaging - -	. ,		,	, ,	
Rated current 9A 9A O-ring material NBR NBR Cable type - - Vo.Conductors / Section - - Conductor colours - - Conductor colours - - Cable diameter - - Cable length - - Cable diameter - - Cable length - - *ackaging - -					
Cable type - PVC No.Conductors / Section - 5 x 1.50mm² Conductor colours - 5 x 1.50mm² Cable diameter - - Cable length - - Cable diameter - 0.3m Cable length - White; Blue; Yellow/green; Brown; Black					
Cable type - PVC No.Conductors / Section - 5 x 1.50mm² Conductor colours - 5 x 1.50mm² Cable diameter - - Cable length - - Cable diameter - 0.3m Cable length - White; Blue; Yellow/green; Brown; Black	O-ring material				
No.Conductors / Section - 5 x 1.50mm² Conductor colours - White; Blue; Yellow/green; Brown; Black Cable diameter - - Cable length - 0.3m Packaging - White; Blue; Yellow/green; Brown; Black	•				
Conductor colours - White; Blue; Yellow/green; Brown; Black Cable diameter - - Cable length - 0.3m Packaging - White; Blue; Yellow/green; Brown; Black		-	-	5 x 1.50mm ²	
Cable diameter - - Cable length - 0.3m V - White; Blue; Yellow/green; Brown; Black	•	-	-	White; Blue; Yellow/green; Brown; Black;	
White; Blue; Yellow/green; Brown; Black		-	-		
White; Blue; Yellow/green; Brown; Black Packaging	Cable length	-	-	0.3m	
	-			White; Blue; Yellow/green; Brown; Black;	
Qty/Bag Not defined Not defined Not defined	Packaning				
	aunaying				







Moulded cable connectors / Panel mount connectors -General features and codification scheme



Housing material : Moulded connectors:

Brass+Nickel plated.

Internal core material :

Stainless steel AISI304(upon request)

Polypropylene

Panel mount:

PA66.

• GENERAL FEATURES OF MOULDED / PANEL MOUNT CONNECTORS:

Conductor cross section : Power contacts: 0.82mm²(18AWG). Signal contacts: 0.34mm²(22AWG).

Fixing system : M23 coupling nut.

Type of terminations : Solder wires

Contact material and treatment : Brass + Gold flash.

19poles: 10A (power contacts), 8A(signal contacts), 23 F D 12 Ρ 1Z 23 Μ D ## -SERIES 1 23 : M23 CIRCULAR CONNECTOR N-CODED. GENDER F : FEMALE. M : MALE. HOUSING TYPE A : ANGLED 90°. D : STRAIGHT 1° : STRAIGHT 180° P: TO PANEL (CONTACTS TO SOLDER). S: TO PANEL (CONTACTS FOR PCB.) NUMBERS OF POLES 12 : 12POLES. 19 : 19POLES. CABLE TYPE 000 : WITHOUT CABLE. **P** : P-3+8-IS (12poles). **P** : P-3+16-IS (19poles). CABLE LENGTH
 1Z : 1m
 A : +10cm

 2Z : 2m
 B : +20cm

 3Z : 3m
 C : +30cm
 EXAMPLE: "...1<u>C</u>" = 1.3m 2Z : 2m "...1F" = 1.6m" 3Z : 3m "...2<u>A</u>" = 2.<u>1m</u>" I:+90cm EXTENSION SPECIFY OTHER CONNECTOR'S SIDE

Coupling nut material : Brass+Nickel plated Stainless steel AISI304(upon request).

Protection class : IP 67.

Operating temperature : -25°C +90°C.

Rated current: 12poles: 8A.

Rated Voltage:

150V AC/DC.

SOME VARIABILTY - INOX : M23 COUPLING NUT IN STAINLESS STEEL (AISI304). - Y : WITHOUT H.T.P.LOGO.

• M23 CONNECTORS CABLE:

	Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C
P-8	3+8-IS	PUR/PP	Sus ULstyle 20549	Black	3GAWG 18 +8xAWG 22 (0.82mm ²) (0.34mm ²)	3 + 8	ø8.8mm	-40°C / +80°C
P-3	3+16-IS	PUR/PP	Sus ULstyle 20549	Black	3GAWG 18 +16xAWG 22 (0.82mm ²) (0.34mm ²)	3 + 16	ø10.6mm	-40°C / +80°C



Technical drawing	$\begin{array}{c} 0 & 0 & 0 & 0 \\ \hline 0 & 0 & 0 \\ \hline 0 & 0 & 0 \\ \hline 0 & 0 & 0 \\ \hline$	$\begin{array}{c} 0 & 0 & 0 & 0 \\ \hline 0 & 0 & 0 \\ \hline 0 & 0 & 0 \\ \hline 0 & 0 & 0 \\ \hline 0 & 0 & 0 \\ \hline 0 &$
Product description Connector type	Circular connector with moulded cable	Circular connector with moulded cable
Construction type	M23 N-Coded	M23 N-Coded
Description	Circular connector M23 series with moulded cable	Circular connector M23 series with moulded cable
Part number	23FD12P1Z-K6-IS	23FA12P1Z-K6-IS
Housing type	Straight 180°	Angled 90°
Cable gland	Moulded cable	Moulded cable
Contacts type	Female	Female
Number of contacts	12poles	12poles
Housing colour	Black	Black
Technical data		
Type of termination	Contacts to solder wires	Contacts to solder wires
Contacts material Coupling nut type	Brass+Gold flash	Brass+Gold flash
M23 coupling nut material	Hexagonal (SW25) Brass+Nickel plated	Hexagonal (SW25) Brass+Nickel plated
M23 coupling nut torque		
Rated voltage	150V AC/DC	150V AC/DC
Rated current	8A	8A
O-ring material	-	-
Cable type	PUR/TPO ULstyle20549	PUR/TPO ULstyle20549
Cable jacket colour	Black	Black
No.Conductors / Section	8x22AWG+3x18AWG	8x22AWG+3x18AWG
Conductor colours	Wh;Gn;Ye;Gy;Gy/Pk;Rd/Bu;Wh/Gn; Bn/Gn;Bu;Bn;Ye/Gn.	Wh;Gn;Ye;Gy;Gy/Pk;Rd/Bu;Wh/Gn; Bn/Gn;Bu;Bn;Ye/Gn.
Cable diameter	ø8.8mm (±0.3)	ø8.8mm (±0.3)
Cable length	1m	1m
Packaging		
Qty/Bag	1 pc / bag	1 pc / bag
Other accessories options See accessories section		
Notes: Connectors available with different feautures: See the general features and codification scheme	naue	



Fechnical drawing		
	$ \begin{array}{c} \circ & - & - \\ \circ & - & - & 2 \\ \circ & - & - & 2 \\ \circ & - & - & 2 \\ \circ & - & - & 2 \\ \circ & - & - & 4 \\ \circ & - & - & 5 \\ \circ & - & - & 6 \\ \end{array} $	
		$ \begin{array}{c} \circ & - & - & 14 \\ \circ & \circ & - & - & 15 \\ \circ & \circ & - & - & 16 \\ \circ & \circ & - & - & 17 \\ \bullet & \circ & - & - & 18 \\ \bullet & \circ & - & - & 19 \end{array} $
roduct description		
connector type	Circular connector with moulded cable	Circular connector with moulded cable
construction type	M23 N-Coded	M23 N-Coded
Description	Circular connector M23 series with moulded cable	Circular connector M23 series with moulded cable
Part number	23FD19P1Z-K6-IS	23FA19P1Z-K6-IS
lousing type	Straight 180°	Angled 90°
Sable gland	Moulded cable	Moulded cable
Contacts type	Female	Female
lumber of contacts	19poles	19poles
lousing colour	Black	Black
echnical data		
ype of termination	Contacts to solder wires	Contacts to solder wires
ontacts material	Brass+Gold flash	Brass+Gold flash
oupling nut type	Hexagonal (SW25)	Hexagonal (SW25)
123 coupling nut material	Brass+Nickel plated	Brass+Nickel plated
123 coupling nut torque	-	-
Rated voltage	150V AC/DC	150V AC/DC
lated current	Power contacts: 10A / Signal contacts: 8A	Power contacts: 10A / Signal contacts: 8A
)-ring material	-	-
cable type	PUR/TPO ULstyle20549	PUR/TPO ULstyle20549
Cable jacket colour	Black	Black
lo.Conductors / Section	19x22AWG + 3x18AWG Vt;Rd;Gy;Rd/Bu;Gn;Bu;Gy/Pk;Wh/Gn;Wh/Ye;	19x22AWG+3x18AWG Vt;Rd;Gy;Rd/Bu;Gn;Bu;Gy/Pk;Wh/Gn;Wh/Ye;
	Wh/Gy;Bk;Ye/Gn;Ye/Bn;Bn/Gn;Wh;Ye;Pk;Gy/Bn;Bn.	Wh/Gy;Bk;Ye/Gn;Ye/Bn;Bn/Gn;Wh;Ye;Pk;Gy/Bn;Bn.
Cable diameter	ø10.6mm (±0.3)	ø10.6mm (±0.3)
Cable length	1m	1m
-		
Packaging	1 pc / bag	1 pc / bag
Packaging Dty/Bag Dther accessories options	1 pc / bag	1 pc / bag



	Contraction	
Technical drawing 44.6 1950 56.6	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $
Product description		
Connector type	Circular connector with moulded cable	Circular connector with moulded cable
Construction type	M23 N-Coded	M23 N-Coded
Description	Circular connector M23 series with moulded cable	Circular connector M23 series with moulded cable
Part number	23MD12P1Z-K6-IS	23MA12P1Z-K6-IS
Housing type	Straight 180°	Angled 90°
Cable gland	Moulded cable	Moulded cable
Contacts type	Male	Male
Number of contacts	12poles	12poles
Housing colour	Black	Black
Technical data		
Type of termination	Contacts to solder wires	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash
Coupling nut type	Hexagonal (SW25)	Hexagonal (SW25)
M23 coupling nut material	Brass+Nickel plated	Brass+Nickel plated
M23 coupling nut torque	-	-
Rated voltage	150V AC/DC	150V AC/DC
Rated current	8A	8A
O-ring material	NBR	NBR
Cable type	PUR/TPO ULstyle20549	PUR/TPO ULstyle20549
Cable jacket colour	Black	Black
No.Conductors / Section	8x22AWG + 3x18AWG	8x22AWG+3x18AWG
Conductor colours	Wh;Gn;Ye;Gy;Gy/Pk;Rd/Bu;Wh/Gn; Bn/Gn;Bu;Bn;Ye/Gn.	Wh;Gn;Ye;Gy;Gy/Pk;Rd/Bu;Wh/Gn; Bn/Gn;Bu;Bn;Ye/Gn.
Cable diameter	ø8.8mm (±0.3)	ø8.8mm (±0.3)
	1m	1m
Cable length	1111	
Cable length Packaging		
Cable length Packaging Qty/Bag	1 pc / bag	1 pc / bag
Cable length Packaging Qty/Bag Other accessories options		1 pc / bag
Cable length Packaging Qty/Bag		1 pc / bag



echnical drawing		
roduct description		
onnector type	Circular connector with moulded cable	Circular connector with moulded cable
onstruction type	M23 N-Coded	M23 N-Coded
escription	Circular connector M23 series with moulded cable	Circular connector M23 series with moulded cable
art number	23MD19P1Z-K6-IS	23MA19P1Z-K6-IS
busing type	Straight 180°	Angled 90°
ble gland	Moulded cable	Moulded cable
ontacts type	Male	Male
Imber of contacts	19poles	19poles
busing colour	Black	Black
echnical data		
/pe of termination	Contacts to solder wires	Contacts to solder wires
ontacts material	Brass+Gold flash	Brass+Gold flash
pupling nut type	Hexagonal (SW25)	Hexagonal (SW25)
23 coupling nut material	Brass+Nickel plated	Brass+Nickel plated
23 coupling nut torque	-	-
ated voltage	150V AC/DC	150V AC/DC
ated current	Power contacts: 10A / Signal contacts: 8A	Power contacts: 10A / Signal contacts: 8A
-ring material	NBR	NBR
able type	PUR/TPO ULstyle20549	PUR/TPO ULstyle20549
able jacket colour	Black	Black
D.Conductors / Section	19x22AWG+3x18AWG	19x22AWG+3x18AWG
onductor colours	Vt;Rd;Gy;Rd/Bu;Gn;Bu;Gy/Pk;Wh/Gn;Wh/Ye; Wh/Gy;Bk;Ye/Gn;Ye/Bn;Bn/Gn;Wh;Ye;Pk;Gy/Bn;Bn.	Vt;Rd;Gy;Rd/Bu;Gn;Bu;Gy/Pk;Wh/Gn;Wh/Ye; Wh/Gy;Bk;Ye/Gn;Ye/Bn;Bn/Gn;Wh;Ye;Pk;Gy/Bn;Bn.
able diameter	ø10.6mm (±0.3)	ø10.6mm (±0.3)
able length	1m	1m
ackaging		
	oc / bag	1 pc / bag
ther accessories options		
ee accessories section		



Technical drawing			
Product description			
Connector type	Circular connectors with moulded cable	Circular connectors with moulded cable	
Construction type	M23 N-Coded	M23 N-Coded	
Description	Extension M23-M23 connectors with moulded cable	Extension M23-M23 connectors with moulded cable	
Part number	23FD12P1Z23MD-K6-IS	23FA12P1Z23MA-K6-IS	
Housing type	Straight 180°	Angled 90°	
Cable gland	Moulded cable	Moulded cable	
Contacts type	Female-Male	Female-Male	
Number of contacts	12poles	12poles	
Housing colour	Black	Black	
Technical data	Didok	Dittol	
Type of termination	Contacts to solder wires	Contacts to solder wires	
Contacts material	Brass+Gold flash	Brass+Gold flash	
Coupling nut type	Hexagonal (SW25)	Hexagonal (SW25)	
M23 coupling nut material	Brass+Nickel plated	Brass+Nickel plated	
M23 coupling nut torque	·		
Rated voltage	150V AC/DC	150V AC/DC	
Rated current	8A	8A	
O-ring material	NBR	NBR	
Cable type	PUR/TPO ULstyle20549	PUR/TPO ULstyle20549	
Cable jacket colour	Black	Black	
No.Conductors / Section	8x22AWG+3x18AWG	8x22AWG+3x18AWG	
Conductor colours	Wh;Gn;Ye;Gy;Gy/Pk;Rd/Bu;Wh/Gn; Bn/Gn;Bu;Bn;Ye/Gn.	Wh;Gn;Ye;Gy;Gy/Pk;Rd/Bu;Wh/Gn; Bn/Gn;Bu;Bn;Ye/Gn.	
Cable diameter	ø8.8mm (±0.3)	ø8.8mm (±0.3)	
Cable length	1m	1m	
Packaging			
Qty/Bag	1 pc / bag	1 pc / bag	
Other accessories options			



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able jacket colourBlackBlacko.Conductors / Section19x22AWG + 3x18AWG19x22AWG + 3x18AWGonductor coloursVt;Rd;Gy;Rd/Bu;Gn;Bu;Gy/Pk;Wh/Gn;Wh/Ye; Wh/Gy;Bk;Ye/Gn;Ye/Bn;Bn/Gn;Wh/Ye;Pk;Gy/Bn;Bn.Vt;Rd;Gy;Rd/Bu;Gn;Bu;Gy/Pk;Wh/ Wh/Gy;Bk;Ye/Gn;Ye/Bn;Bn/Gn;Whable diameterØ10.6mm (±0.3)Ø10.6mm (±0.3)able length1m1mackagingtm1mtty/Bag1 pc / bag1 pc / bag		
b. Conductors / Section 19x22AWG + 3x18AWG 19x22AWG + 3x18AWG conductor colours Vt;Rd;Gy;Rd/Bu;Gn;Bu;Gy/Pk;Wh/Gn;Wh/Ye; Wh/Gy;Bk;Ye/Gn;Ye/Bn;Bn/Gn;Wh/Ye;Pk;Gy/Bn;Bn. Vt;Rd;Gy;Rd/Bu;Gn;Bu;Gy/Pk;Wh/ Wh/Gy;Bk;Ye/Gn;Ye/Bn;Bn/Gn;Wh able diameter Ø10.6mm (±0.3) Ø10.6mm (±0.3) able length 1m 1m ackaging ttp: / bag 1 pc / bag ttp: accessories options 1 pc / bag 1 pc / bag		
Wh/Gy;Bk;Ye/Gn;Ye/Bn;Bn/Gn;Wh;Ye;Pk;Gy/Bn;Bn. Wh/Gy;Bk;Ye/Gn;Ye/Bn;Bn/Gn;Wh able diameter Ø10.6mm (±0.3) Ø10.6mm (±0.3) iable length 1m 1m ackaging Itpc / bag 1 pc / bag ttpr accessories options 1 pc / bag 1 pc / bag		
able length 1m 1m ackaging 1pc / bag 1 pc / bag ther accessories options 1 pc / bag 1 pc / bag	Vt;Rd;Gy;Rd/Bu;Gn;Bu;Gy/Pk;Wh/Gn;Wh/Ye; Wh/Gy;Bk;Ye/Gn;Ye/Bn;Bn/Gn;Wh;Ye;Pk;Gy/Bn;Bn.	
ackaging ty/Bag 1 pc / bag 1 pc / bag ther accessories options		
tty/Bag 1 pc / bag 1 pc / bag tther accessories options		
ther accessories options		
otes: Connectors available with different feautures:		

Panel mount connectors









Technical drawing			M23X1 (ø22,75)
190 ±0.1 22 ±0.05 190 ±0 190 br>100 ±0 100 100 ±0 100 100 ±0 100 100 100 100 100 100 100 100 100 1		92 92 92 92 92 92 92 92 92 92 92 92 92 9	
Product description			
Connector type	Circular connector to panel	Circular connector to panel	Circular connector to panel
Conforms to	-	-	-
Construction type	M23 N-Coded	M23 N-Coded	M23 N-Coded
Description	Circular connector M23 series, panel mount.	Circular connector M23 series, panle mount, with contacts suitable for solder PCB.	Circular connector M23 series, panel mount, with PVC soldered wires.
Part number	23MP12000-FL	23MS12000-FL	23MP12P0C-FL
Mounting type	Frontal side of the panel	Frontal side of the panel	Frontal side of the panel
Contacts type	Male	Male	Male
Number of contacts	12 poles	12 poles	12 poles
Fixing Type	Flange 30x30mm	Flange 30x30mm	Flange 30x30mm
Number of fixing holes	n° 4	n° 4	n° 4
Technical data			
Type of termination	Contacts to solder wires	Contacts to solder PCB	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Housing /coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Mobile nut material(SW)	-	-	-
M23 coupling nut torque	-	-	-
Rated voltage	150V AC/DC	150V AC/DC	150V AC/DC
Rated current	8A	8A	8A
O-ring material	NBR	NBR	NBR
Cable type	-	-	TPO
No.Conductors / Section	-	-	3 x 18AWG+16 x 22AWG
Conductor colours	-	-	Wh;Gn;Ye;Gy;Gy/Pk;Rd/Bu;Wh/Gn; Bn/Gn;Bu;Bn;Ye/Gn.
Cable diameter	-	-	-
Wires length	-	-	0.3m
Packaging			1
Qty/Bag	-	-	-
Other accessories options			
See accessories section			
Notes: Connectors available with different See the general features and codif See the cables list section			



Panel mount connectors







Technical drawing		M23X1 (#22,75)	
Product description	0	0	0
Connector type	Circular connector to panel	Circular connector to panel	Circular connector to panel
Conforms to	-	-	-
Construction type	M23 N-Coded	M23 N-Coded	M23 N-Coded
Description	Circular connector M23 series, panel mount.	Circular connector M23 series, panle mount, with contacts suitable for solder PCB.	Circular connector M23 series, panel mount, with PVC soldered wires.
Part number	23MP19000-FL	23MS19000-FL	23MP19P0C-FL
Mounting type	Frontal side of the panel	Frontal side of the panel	Frontal side of the panel
Contacts type	Male	Male	Male
Number of contacts	19 poles	19 poles	19 poles
Fixing Type	Flange 30x30mm	Flange 30x30mm	Flange 30x30mm
Number of fixing holes	n° 4	n° 4	n° 4
Technical data			
Type of termination	Contacts to solder wires	Contacts to solder PCB	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Housing /coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Mobile nut material(SW)	-	-	-
M23 coupling nut torque	_	-	-
Rated voltage	150V AC/DC	150V AC/DC	150V AC/DC
Rated current	Power contacts: 10A / Signal contacts: 8A	Power contacts: 10A / Signal contacts: 8A	Power contacts: 10A / Signal contacts: 8A
O-ring material	NBR	NBR	NBR
Cable type	-	-	ТРО
No.Conductors / Section	-	-	3 x 18AWG+16 x 22AWG
Conductor colours	-	-	Vt;Rd;Gy;Rd/Bu;Gn;Bu;Gy/Pk;Wh/Gn;Wh/Ye; Wh/Gy;Bk;Ye/Gn;Ye/Bn;Bn/Gn;Wh;Ye;Pk;Gy/Bn;Bn.
Cable diameter	-	-	-
Wires length	-	-	0.3m
Packaging			0.011
Qty/Bag	-	-	-
Other accessories options			
See accessories section			
Notes: Connectors available with different for See the general features and codifications of the set of the general features and codifications of the set of the se			
See the cables list section			

TTP



M8 field attachable

• GENERAL FEATURES:

Type of terminations : Terminal block with screws.

Cable Gland : PG11 : ø CABLE 6.5 - 9.5mm.

Conductor cross section : 0.14(26AWG)...1mm²(17AWG).

Circuit type : PNP circuit. NPN circuit (upon request).

Local diagnostic : Supply voltage: Green Led. Status display I/O: Red Led.

J

08 : M8 CIRCULAR CONNECTOR.

T : DISTRIBUCTION BOX FIELD ATTACHABLE.

NUMBERS OF POSITIONS

SERIES J : DISTRIBUCTION BOX.

GENDER |

08

Т

6

SIGNAL per OUTLET: Single.

Rated voltage: 10-30V DC.

Rated current: Current carrying capacity per I/O signal: 2A. Current carrying capacity per slot: 2A. Total rated current: 8A.

Fixing system : M8 coupling nut.

В

3

##

Max. screw torque IEC60947-1 : M8 coupling nut torque 0.2N*m.

M8 Contact material and treatment : Brass + Gold flash.

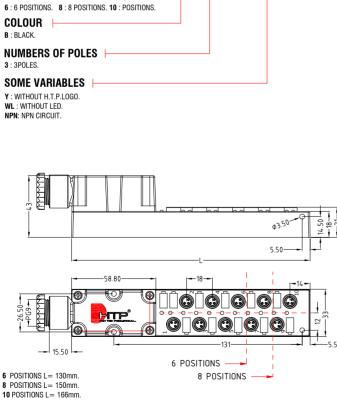
Housing material : PA66 UL94-V2.

Internal core material : PA66 UL94-V2.

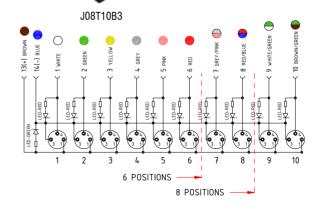
Coupling nut material : Brass+Nickel plated. Flammability resistance : UL94-V2 - Standard.

Protection class : IP 67 (assembled).

Operating temperature : $-40^{\circ}C + 90^{\circ}C$.



JOBITORIA JOBITORIA JOBITORIA JOBITORIA JOBITORIA JOBITORIA



M8 with moulded cable



• GENERAL FEATURES:

Type of terminations : Moulded cable.

Circuit type : PNP circuit. NPN circuit (upon request).

Local diagnostic : Supply voltage: Green Led. Status display I/O: Red Led.

SIGNAL per OUTLET: Single. Rated voltage: 10-30V DC.

Rated current: Current carrying capacity per I/O signal: 2A. Current carrying capacity per slot: 2A. Total rated current: 8A.

Fixing system : M8 coupling nut.

Max. screw torque IEC60947-1 : M8 coupling nut torque 0.2N*m. **M8 Contact material and treatment :** Brass + Gold flash.

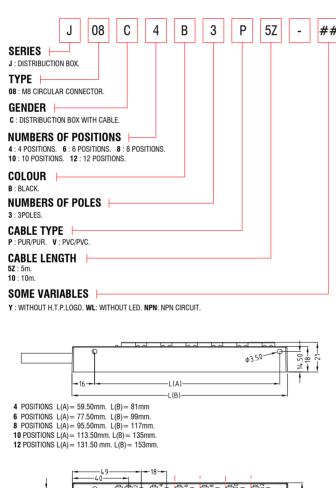
Housing material : PA66 UL94-V2.

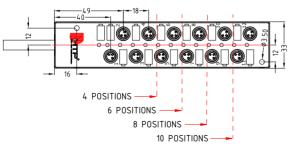
Internal core material : PA66 UL94-V2.

Coupling nut material : Brass+Nickel plated.

Flammability resistance : UL94-V2 - Standard. Protection class : IP 67 (assembled).

Operating temperature : $-40^{\circ}C + 90^{\circ}C$.







6 POSITIONS

8 POSITIONS

10 POSITIONS



NEW DISTRIBUTION BOXES M8 distribution boxes with M12 INPUT connector

• GENERAL FEATURES:

Type of terminations : M12 connector.

Cable Gland : PG11 : Ø CABLE 6.5 - 9.5mm.

Circuit type : PNP circuit. NPN circuit (upon request).

Local diagnostic : Supply voltage: Green Led. Status display I/O: Red Led.

08

J

SIGNAL per OUTLET: Single.

SERIES |

GENDER |

COLOUR B : BLACK.

3 : 3POLES.

NPN: NPN CIRCUIT

J : DISTRIBUCTION BOX.

08 : M8 CIRCULAR CONNECTOR

M : DISTRIBUCTION BOX WITH M12. NUMBERS OF POSITIONS 4 : 4 POSITIONS. 6 : 6 POSITIONS. 8 : 8 POSITIONS. 10 : 10 POSITIONS. 12 : 12 POSITIONS.

NUMBERS OF POLES |-

SOME VARIABLES Y : WITHOUT H.T.P.LOGO. WL : WITHOUT LED. Rated voltage: 10-30V DC.

Rated Current (4-6-12 positions): Current carrying capacity per I/O signal: 2A. Current carrying capacity per slot: 2A. Total rated current: 2A.

Rated Current (8 positions): Current carrying capacity per I/O signal: 1.5A. Current carrying capacity per slot: 1.5A. Total rated current: 1.5A.

Fixing system : M8 coupling nut.

В

3

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##

4

М

Max. screw torque IEC60947-1 : M8 coupling nut torque 0.2N*m M12 coupling nut torque 0.4N*m

M8 Contact material and treatment : Brass + Gold flash.

Housing material : PA66 UL94-V2.

Internal core material : PA66 UL94-V2.

Coupling nut material : Brass+Nickel plated. Flammability resistance : UL94-V2 - Standard.

Protection class : IP 67 (assembled).

Operating temperature : $-40^{\circ}C + 90^{\circ}C$.



J08M4B3



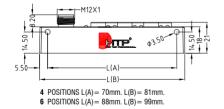
J08M6B3

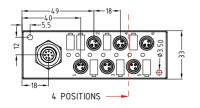


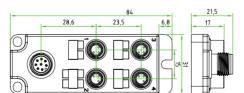
J08S4B3

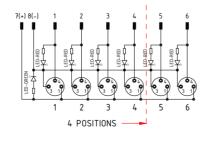


J08S4B3-L8







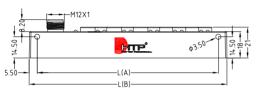




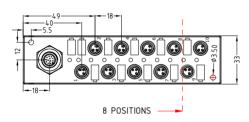




J08M8B3

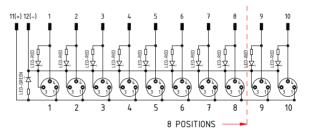


8 $\ \ \text{POSITIONS L(A)} = 105.75 \text{mm. L(B)} = 116.75 \text{mm.} \\$ **10** $\ \ \text{POSITIONS L(A)} = 123.50 \text{mm. L(B)} = 134.90 \text{mm.} \\$



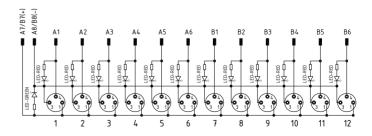


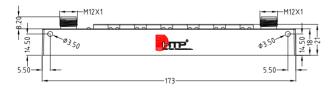
J08M10B3

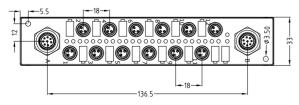




J08M12B3

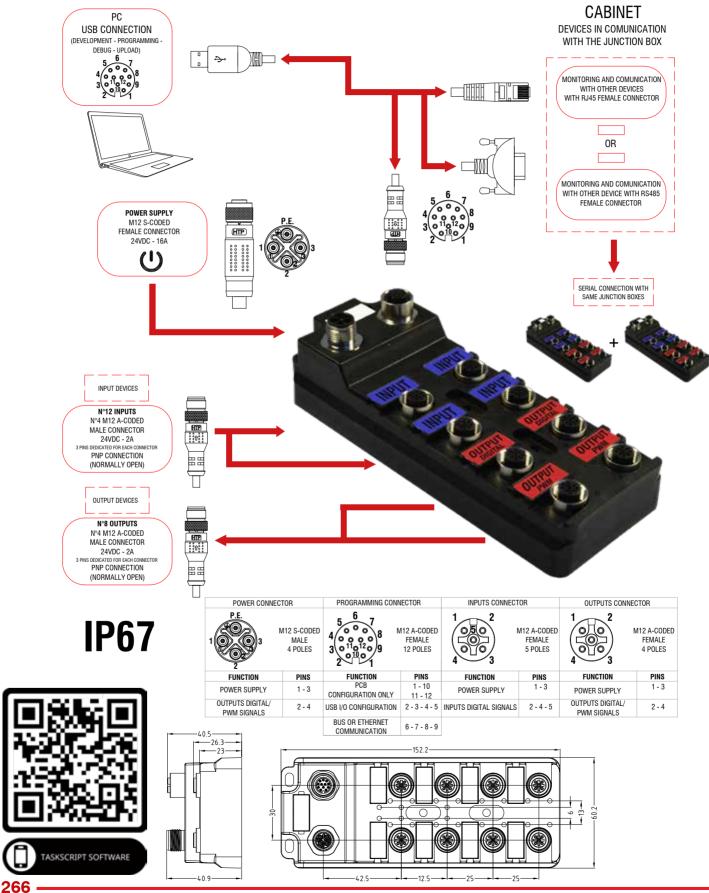








IP67 SMART JUNCTION BOX WITH INTEGRATED PLC



IFU/ SINAL UNULION DUX WITH INCULATED FI	Smart junction box with integ	rated PLC
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General features	Power supply	Programming	Inputs	Outputs		
Connectors qty	n°1	n°1	n°4	n°4		
Connector type	M12 S-coded M12 A-coded M12 A-coded M12					
Contacts type	Male Female Female Female					
Number of contacts	n°4	n°4 n°12 n°5				
Rated voltage	24V DC 5V DC 12V DC < Vn < 30V DC 24V					
Rated current	16A	16A - 2A				
Electrical protection	Overvoltage protection	Overvoltage protection - Optoisolated connections Optoisolated co				
Coupling nut material	Brass + Nickel plated					
Housing material	PA66 UL94-V2					
Protection class	IP67					
Operating temperature		-40°C	+90°C			
I/O features	Signal circuit type	Signal circuit type Signal contacts qty Signal type				
Inputs	PNP	n°12 (n°3 for each connector)	digital*			
Outputs	PNP	n°8 (n°2 for each connector)	n°4 digital* - n°4 PWM**			
*digital : Simply "ON/OFF" signal, wi	ithout any suddivision - **PWM : Di	gital scalar signal, from 0%(value=0) to	o 100% (value=1023)			
Application features	Development type Communication protocols Scans qty Scan qty					
TaskScript studio	Grafic (Model-Based IDE)	ModBUS/RTU, ModBUS/TCP, HTTP/TCP/IP	10k scans/sec	<0,2ms		

The application development environment is based on a graphical environment running upon the Windows Operating systems (from Windows XP to Windows 10), which assists the designer throughout the whole design cycle of an embedded application, from the sketch of the first modules to the deployment of the executable code to the target physical board. The main supported phases are:

- Modeling of the solution using the graphical language;
- Validation of the design and code generation;
- Simulation of the design, possibly interacting with a model of the controlled periphery;
- Upload of the embedded application to the target physical junction box;
- Test of the design within the physical environment.
- Diagnosis of the physical environment.

Modeling of the solution using the graphical language

The graphical lenguage is based on GRAFCET and IEC-61131-3, composed by flow chart of steps; each of them contains one or more tasks; that is made of connections between I/O using mathematics and Boolean's gates.





Validation of the design and codes generation

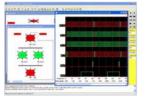
This application can validate and generate the code necessary to create the working file to upload on the Juction box.

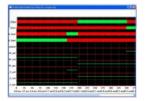
The validation explain clearly, which are the mistakes made during the program creation, making a report file available directly on the application.

During the codes generation phase can be made all the file, also the one usable to make the simulation.

Simulation of the design, possibly interacting with a model of the controlled periphery

Using the same application, easily can be made a step by step simulation, focused specific inputs, outputs, tasksand variables present on the flow chart steps. It is possible changing the simulating visualization focus, in real time.





Upload of the embedded application to the target physical junction box

Thanks the connection available by USB, it is easly uploading the application using the code generation, on the junction box.

Test of the design within the physical environment

Using the application is possible to verify the correct operation of the program, directly on the junction box.

Diagnosis of the physical environment

It is easy to verifiy the correct operation of the junction box during the work functions



DISTRIBUTION BOXES IP67 Smart junction box with integrated PLC

PLC Junction Box KIT features Part number Quantity Packing Junction box PLC KIT J12R8B5-KIT-PLC carton box (complete of the products below) n°1 **KIT components features PLC Junction box** J12R8B5-PLC carton box (complete of general information sheet) n°1 Power connector S-12FD4B5Z-PLC plastic bag (complete of wiring diagram sheet) n°1 USB connector 12MA12XX5ZUSB-PLC plastic bag (complete of wiring diagram sheet) n°1

Notes:

Usually to get the Junction Box is needed to buy the KIT complete of components
In special cases it is possible to buy a part of the kit, please contact us to verify the feasibility



S-12FD4B5Z-PLC

PLC Junction Box accessories Part number Packing					
RS485 connector part number	RS485 connector part number 12MA12A5ZMB-PLC pastic bag (complete of wiring diagram sheet)				
INPUT connector part number A5B0C-C3-C3-C3-PLC pastic bag (complete of wiring diagram sheet)					
OUTPUT connector part number A4B0C-C3-C3-PLC pastic bag (complete of wiring diagram sheet)		pastic bag (complete of wiring diagram sheet)			
Notes: • please contact us to verify the MOQ to place a order					



M12 field attachable



• GENERAL FEATURES:

Type of terminations : Terminal block with screws.

Cable Gland : PG13.5 : Ø CABLE 7 - 12mm.

Conductor cross section : 0.14(26AWG)...1.5mm²(16AWG).

Circuit type : PNP circuit. NPN circuit (upon request).

Local diagnostic : Supply voltage: Green Led. Status display I/O: Red Led. SIGNAL per OUTLET: Double. Single(upon request).

Rated voltage: 10-30V DC.

Rated current: Current carrying capacity per I/O signal : 2A. Current carrying capacity per slot : 4A.

Total rated current: 10A.

Fixing system : M12 coupling nut. Max. screw torque IEC60947-1 : M12 coupling nut torque 0.4N*m.

 $\begin{array}{l} \textbf{M12 Contact material and treatment:} \\ \textbf{Brass} + \textbf{Gold flash.} \end{array}$

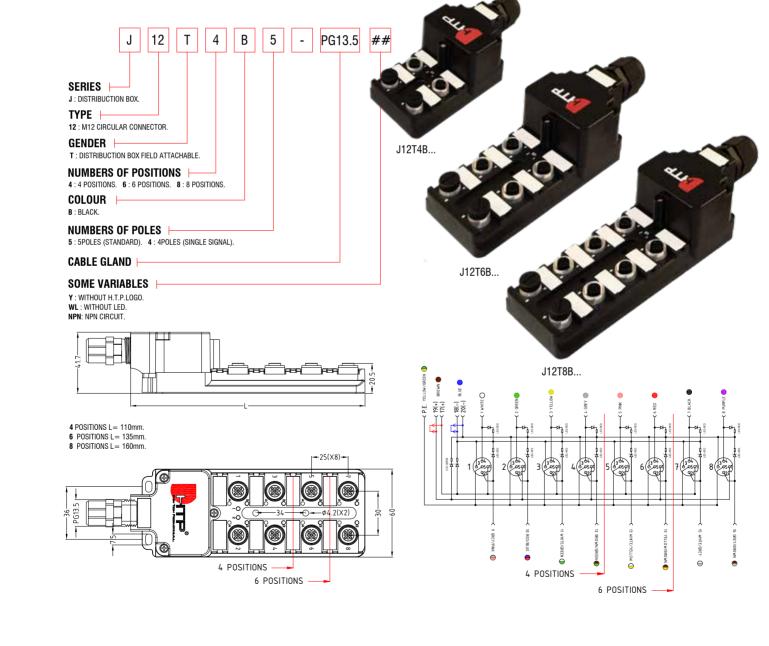
Housing material : PA66 UL94-V2.

Internal core material : PA66 UL94-V2.

Coupling nut material : Brass+Nickel plated. Flammability resistance : UL94-V2 - Standard.

Protection class : IP 67 (assembled).

Operating temperature : $-40^{\circ}C + 90^{\circ}C$.





M12 with moulded cable

• GENERAL FEATURES:

Type of terminations : Moulded cable.

Circuit type : PNP circuit. NPN circuit (upon request).

Local diagnostic : Supply voltage: Green Led. Status display I/O: Red Led.

SIGNAL per OUTLET: Double. Single (upon request).

12

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С

4

В

Rated voltage: 10-30V DC.

Rated current: Current carrying capacity per I/O signal: 2A. Current carrying capacity per slot: 4A. Total rated current: 10A.

Fixing system : M12 coupling nut.

Max. screw torque IEC60947-1 : M12 coupling nut torque 0.4N*m.

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5Z

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M12 Contact material and treatment : Brass + Gold flash.

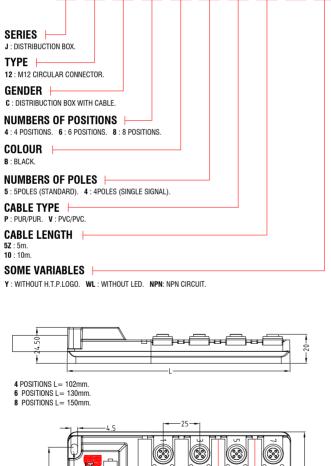
Housing material : PA66 UL94-V2.

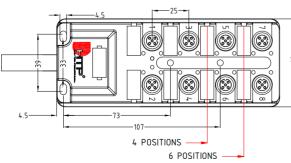
Internal core material : PA66 UL94-V2.

Coupling nut material : Brass+Nickel plated. Flammability resistance : UL94-V2 - Standard.

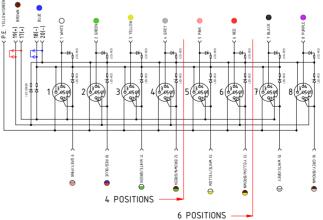
Protection class : IP 67 (assembled).

Operating temperature : $-40^{\circ}C + 90^{\circ}C$.









DISTRIBUTION BOXES M12 distribution boxes with M23 INPUT connector



• GENERAL FEATURES:

Type of terminations : M23 connector.

Circuit type : PNP circuit. NPN circuit (upon request).

Local diagnostic : Supply voltage: Green Led. Status display I/O: Red Led.

SIGNAL per OUTLET: Double. Single(Upon request). Rated voltage: 10-30V DC.

Rated current: Current carrying capacity per I/O signal: 2A. Current carrying capacity per slot: 4A. Total rated current: 12A.

Fixing system : M12 coupling nut.

Max. screw torque IEC60947-1 : M12 coupling nut torque 0.4 N*m.

30.4

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2(X2)

Contact material and treatment : Brass + Gold flash.

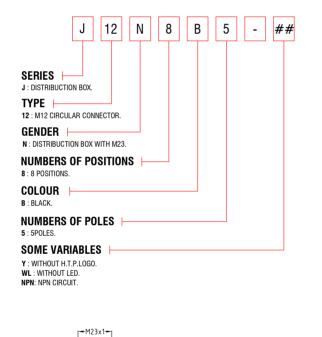
Housing material : PA66 UL94-V2.

Internal core material : PA66 UL94-V2.

Coupling nut material : Brass+Nickel plated.

Flammability resistance : UL94-V2 - Standard. Protection class : IP 67 (assembled).

Operating temperature : $-40^{\circ}C + 90^{\circ}C$.



-BH

152

-20

-77.50

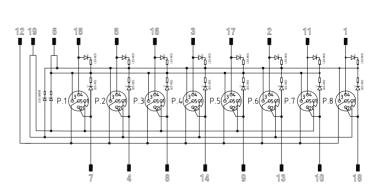
PITP

15.6

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9.17







Notes:

NU(65.		



Automotive connectors with moulded cable interchangeable with METRIPACK 150series

• GENERAL FEATURES OF MOULDED CONNECTORS:

Conductor cross section : 0.34mm²(22AWG)...1(18AWG).

Fixing system : Suitable for Metri-pack system copling.

Type of terminations : Crimped wires.

Contact material and treatment : Brass + tin plated. **Contact seal material :** Round liquid silicone.

> Housing material : Polypropylene.

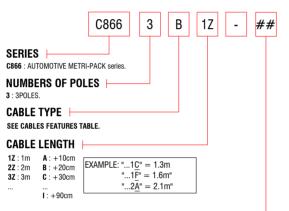
Nominal current : 7,5A.

Max contact current :

15A

Protection class : IP 67.

Operating temperature : $-25^{\circ}C + 90^{\circ}C$





SOME VARIABLES

S : Special stripping/peeling-tinng.

• AUTOMOTIVE CONNECTORS CABLES:

Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C
01	PVC/PVC	IEC332-1 H03VVF	Black	0.50mm ²	3	ø5mm	-20°C / +80°C
02	PVC/PVC	IEC332-1 H05VVF	Black	0.75mm ²	3	ø6.7mm	-20°C / +80°C
B*	PVC/PVC	CEI2022	Black	0.34mm ²	3	ø 4.8mm	-20°C / +80°C
L	PVC/PVC	CEI2022	Grey RAL7032	0.34mm ²	3	ø 4.8mm	-20°C / +80°C
D*	PUR/PUR		Black	0.34mm ²	3	ø 4.8mm	-40°C / +80°C
BD*	PUR/PUR	Li-YY11Y	Black	0.75mm ²	3	ø6.7mm	-40°C / +80°C

* = Cables with minimum quantity required.

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Automotive connectors interchangeable with DT series with moulded cable / General features and codification scheme



• GENERAL FEATURES OF MOULDED CONNECTORS: Conductor cross section : Contact material and treatment : Internal core material : 0.34(22AWG)...0.75mm²(18AWG). Brass + tin plated. PA66. Fixing system : Contact seal material : Protection class : Interchangeable with DT series Round liquid silicone. IP 67. connector system. Housing material : **Operating temperature :** 0 Polypropylene. Type of terminations : -25°C +90°C. Crimping wires. F D 00 0 HDC 2 A2 1Z HDC Μ D 2 ## _ _ SERIES | HDC : AUTOMOTIVE CONNECTORS. GENDER – F : (DT06) FEMALE. M : (DT04) MALE. CONNECTOR TYPE D : STRAIGHT 180 NUMBERS OF POLES 2: 2POLES. 3: 3POLES. 4: 4POLES. CIRCUIT TYPE 00: WITHOUT ELECTRONIC. LO: BIPOLAR RED LED. DL: DIODE+RED LED. VL: VARISTOR + BIPOLAR RED LED. VOLTAGE |- $0:250V\text{--}300V\;, \quad 1:24V, \quad 2:115V, \quad 3:230V, \quad 4:12V, \quad 5:48\;V,$ CABLE TYPE SEE CABLES FEATURES TABLE. CABLE LENGTH A:+10cm B:+20cm 1Z : 1m EXAMPLE: "...1C" = 1.3m 2Z : 2m $....1\underline{F} = 1.6m''$ "...2 \underline{A} " = 2.1m" 3Z : 3m C:+30cm I:+90cm EXTENSION | SPECIFY OTHER CONNECTOR'S SIDE. SOME VARIABLES ${\boldsymbol{\mathsf{S}}}$: Special stripping/peeling-tinng.

• AUTOMOTIVE CONNECTORS CABLES:

Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C	Wires colouring
BA	PUR/PUR	Li-YY11Y	Black	0.75mm ²	2	ø 6.5mm	-40°C / +80°C	Brown;Blue
BD	PUR/PUR	Li-YY11Y	Black	0.75mm ²	3	ø 6.7mm	-40°C / +80°C	Brown;Blue;Black
BE	PUR/PUR	Li-YY11Y	Black	0.75mm ²	4	ø7mm	-40°C / +80°C	Brown;Blue;Black;White

* = Cables with minimum quantity required.



Automotive connectors interchangeable with DT series with moulded cable



Technical drawing			$ \begin{array}{c} \circ & \circ & \circ \\ \circ & \circ & \circ \\ \circ & \circ & \circ \\ \circ & \circ &$	
Product description				
Connector type	Automotive/Valve connector	Automotive/Valve connector	Automotive/Valve connector	Automotive/Valve connector
Interchangeable to	Deutsch DT06	Deutsch DT06	Deutsch DT06	Deutsch DT06
Construction type	Valve connector DT series	Valve connector DT series	Valve connector DT series	Valve connector DT series
Description	Automotive/Valve connector with moulded cable. Connector without electronic.	Automotive/Valve connector with moulded cable. Connector without electronic.	Automotive/Valve connector with moulded cable. Connector without electronic.	Automotive/Valve connector with moulded cable. Connector with electronic.
Part number	HDCFD2000BA1Z	HDCFD3000BD1Z	HDCFD4000BE1Z	HDCFD2L01BA1Z
Housing type	Straight 180°	Straight 180°	Straight 180°	Straight 180°
Cable gland	Moulded cable	Moulded cable	Moulded cable	Moulded cable
Contacts type	Female	Female	Female	Female
Number of contacts	2poles	3poles	4poles	2poles
Housing colour	Black	Black	Black	Transparent
Technical data				
Type of termination	Contacts to crimping wires	Contacts to crimping wires	Contacts to crimping wires	Contacts to crimping wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Rated voltage	48 V AC/DC	48 V AC/DC	48 V AC/DC	24 V AC/DC
Circuit type	-	-	-	Bipolar Led
Led colour	-	-	-	Red
Rated current	8A	8A	8A	4A
Gasket material	Silicone	Silicone	Silicone	Silicone
Cable type	PUR/PUR Li-YY11Y	PUR/PUR Li-YY11Y	PUR/PUR Li-YY11Y	PUR/PUR Li-YY11Y
Cable jacket colour	Black	Black	Black	Black
No.Conductors / Section	2x0.75mm ²	3x0.75mm ²	4x0.75mm ²	2x0.75mm ²
Conductor colours	Brown; Blue	Brown; Blue ; Black	Brown; White; Blue ; Black	Brown; Blue
Cable diameter	ø6.5mm (±0.3)	ø6.7mm (±0.3)	ø7mm (±0.3)	ø6.5mm (±0.3)
Cable length	1m	1m	1m	1m
Packaging		4 / 1	4 /	4 / 1
Qty/Bag	1 pc / bag	1 pc / bag	1 pc / bag	1 pc / bag
Other accessories options See accessories section				

See the general features and codification scheme page See the cables list section

Automotive connectors interchangeable with DT series with moulded cable





Technical drawing			
Product description			
Connector type	Automotive/Valve connector	Automotive/Valve connector	
Interchangeable to	Deutsch DT06	Deutsch DT06	
Construction type	Valve connector DT series	Valve connector DT series	
Description	Automotive/Valve connector with moulded cable. Connector with electronic.	Automotive/Valve connector with moulded cable. Connector with electronic.	
Part number	HDCFD2DL1BA1Z	HDCFD2VL1BA1Z	
Housing type	Straight 180°	Straight 180°	
Cable gland	Moulded cable	Moulded cable	
Contacts type	Female	Female	
Number of contacts	2poles	2poles	
Housing colour	Transparent	Transparent	
Technical data			
Type of termination	Contacts to crimping wires	Contacts to crimping wires	
Contacts material	Brass+Gold flash	Brass+Gold flash	
Rated voltage	24 V DC	24 V AC/DC	
Circuit type	Led + Diode(1A)	Led + Varistor	
Led colour	Red	Red	
Rated current	1A	1A	
Gasket material	Silicone	Silicone	
Cable type	PUR/PUR Li-YY11Y	PUR/PUR Li-YY11Y	
Cable jacket colour	Black	Black	
No.Conductors / Section	2x0.75mm ²	2x0.75mm ²	
Conductor colours	Brown; Blue	Brown; Blue	
Cable diameter	ø6.5mm (±0.3)	ø6.5mm (±0.3)	
Cable length	1m	1m	
Packaging			
Qty/Bag	1 pc / bag	1 pc / bag	
Other accessories options	1 pc / bag	1 po / bag	
See accessories section			
Notes: Connectors available with differe See the general features and coo See the cables list section			



Automotive connectors interchangeable with DT series with moulded cable



Technical drawing				
Product description				
Connector type	Automotive/Valve connector	Automotive/Valve connector	Automotive/Valve connector	Automotive/Valve connector
Interchangeable to	Deutsch DT04	Deutsch DT04	Deutsch DT04	Deutsch DT04
Construction type	Valve connector DT series	Valve connector DT series	Valve connector DT series	Valve connector DT series
Description	Automotive/Valve connector with moulded cable. Connector without electronic.	Automotive/Valve connector with moulded cable. Connector without electronic.	Automotive/Valve connector with moulded cable. Connector without electronic.	Automotive/Valve connector with moulded cable. Connector with electronic.
Part number	HDCMD2000BA1Z	HDCMD3000BD1Z	HDCMD4000BE1Z	HDCMD2L01BA1Z
Housing type	Straight 180°	Straight 180°	Straight 180°	Straight 180°
Cable gland	Moulded cable	Moulded cable	Moulded cable	Moulded cable
Contacts type	Male	Male	Male	Male
Number of contacts	2poles	3poles	4poles	2poles
Housing colour	Black	Black	Black	Transparent
Technical data				
Type of termination	Contacts to crimping wires	Contacts to crimping wires	Contacts to crimping wires	Contacts to crimping wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Rated voltage	48 V AC/DC	48 V AC/DC	48 V AC/DC	24 V AC/DC
Circuit type	-	-	-	Bipolar Led
Led colour	-	-	-	Red
Rated current	8A	8A	8A	4A
Gasket material	-	-	-	-
Cable type	PUR/PUR Li-YY11Y	PUR/PUR Li-YY11Y	PUR/PUR Li-YY11Y	PUR/PUR Li-YY11Y
Cable jacket colour	Black	Black	Black	Black
No.Conductors / Section	2x0.75mm ²	3x0.75mm ²	4x0.75mm ²	2x0.75mm ²
Conductor colours	Brown; Blue	Brown; Blue ; Black	Brown; White; Blue ; Black	Brown; Blue
Cable diameter	ø6.5mm (±0.3)	ø6.7mm (±0.3)	ø7mm (±0.3)	ø6.5mm (±0.3)
Cable length	1m	1m	1m	1m
Packaging				
Qty/Bag	1 pc / bag	1 pc / bag	1 pc / bag	1 pc / bag
Other accessories options				
See accessories section				
Notes: Connectors available with diffe	erent feautures:			

Connectors available with different feautures: See the general features and codification scheme page See the cables list section

Automotive connectors interchangeable with DT series with moulded cable





Technical drawing			
Product description			
Connector type	Automotive/Valve connector	Automotive/Valve connector	
Interchangeable to	Deutsch DT04	Deutsch DT04	
Construction type	Valve connector DT series	Valve connector DT series	
Description	Automotive/Valve connector with moulded cable. Connector with electronic.	Automotive/Valve connector with moulded cable. Connector with electronic.	
Part number	HDCMD2DL1BA1Z	HDCMD2VL1BA1Z	
Housing type	Straight 180°	Straight 180°	
Cable gland	Moulded cable	Moulded cable	
Contacts type	Male	Male	
Number of contacts	2poles	2poles	
Housing colour	Transparent	Transparent	
Technical data			
Type of termination	Contacts to crimping wires	Contacts to crimping wires	
Contacts material	Brass+Gold flash	Brass+Gold flash	
Rated voltage	24 V DC	24 V DC	
Circuit type	Led + Diode(1A)	Led + Varistor	
Led colour	Red	Red	
Rated current	1A	1A	
Gasket material	-	-	
Cable type	PUR/PUR Li-YY11Y	PUR/PUR Li-YY11Y	
Cable jacket colour	Black	Black	
No.Conductors / Section	2x0.75mm ²	2x0.75mm ²	
Conductor colours	Brown; Blue	Brown; Blue	
Cable diameter	ø6.5mm (±0.3)	ø6.5mm (±0.3)	
Cable length	1m	1m	
Packaging			
Qty/Bag	1 pc / bag	1 pc / bag	
Other accessories options			
See accessories section			
Notes: Connectors available with diffe See the general features and c See the cables list section	erent feautures: odification scheme page		



Automotive connectors interchangeable with DT series



Technical drawing				
Product description				
Connector type	Automotive-M12 adapter	Automotive-M12 adapter	Automotive-M12 adapter	Automotive-M12 adapter
Interchangeable to	Deutsch DT06	Deutsch DT06	Deutsch DT06	Deutsch DT06
Description	Adapter with automotive connector (interchangeable to Deutsch DT connector) + M12 connector.	Adapter with automotive connector (interchangeable to Deutsch DT connector) + M12 connector.	Adapter with automotive connector (interchangeable to Deutsch DT connector) + M12 connector.	Adapter with automotive connector (interchangeable to Deutsch DT connector) + M12 connector.
Part number	HDCFD2000-12MD	HDCFD3000-12MD	HDCFD2L01-12MD	HDCFD2DL1-12MD
Housing type	Straight 180°	Straight 180°	Straight 180°	Straight 180°
Contacts type	Female	Female	Female	Female
Number of contacts	2poles	3poles	2poles	2poles
Housing colour	Black	Black	Transparent	Transparent
Circular connector type	M12	M12	M12	M12
M12 Connector type	Straight 180°	Straight 180°	Straight 180°	Straight 180°
M12 contacts type	Male 3poles	Male 3poles	Male 3poles	Male 3poles
Number of contacts connected	n°2	n°3	n°2	n°2
Technical data	· ·		·	
Type of termination	Contacts to crimping wires			
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
M12 coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Internalcores material	PA	PA	PA	PA
Connector body material	Polypropylene	Polypropylene	Polypropylene	Polypropylene
Rated voltage	48 V AC/DC	48 V AC/DC	24 V AC/DC	24 V DC
Gasket material	Silicone	Silicone	Silicone	Silicone
M12 o-ring material	NBR	NBR	NBR	NBR
Circuit type	-	-	Bipolar Led	Led + Diode(1A)
Led colour	-	-	Red	Red
Rated current	4A	4A	1A	1A
Packaging				
Qty/Bag	1 pc / bag			
Other accessories options				
See accessories section				
Notes:			Connector available with different led colour, circuits and voltages.	Connector available with different led colour, circuits and voltages.

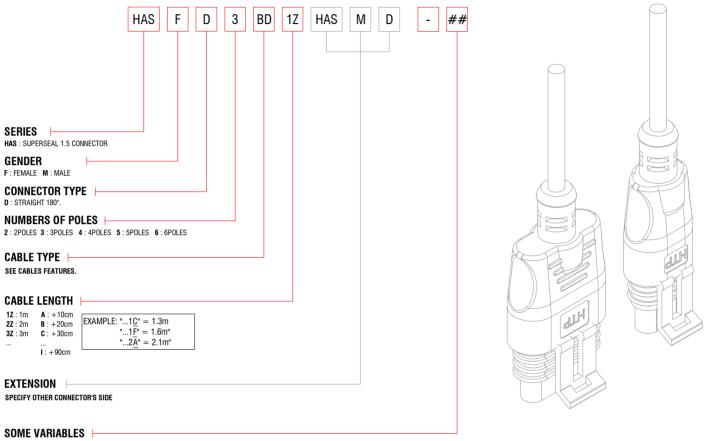
Automotive connectors interchangeable with DT series with moulded cable







Automotive Superseal 1.5mm connectors with moulded cable / General features and codification scheme Automotive



 $\boldsymbol{S}: \text{SPECIAL STRIPPING/PEELING-TINNING.} \quad \boldsymbol{Y}: \text{WITHOUT H.T.P.LOGO.}$

• SUPERSEAL CONNECTORS CABLES:

Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C	Wires colouring
BA	PUR/PUR	Li-YY11Y	Black	0.75mm ²	2	ø 6.5mm	-40°C / +80°C	Brown;Blue
BD	PUR/PUR	Li-YY11Y	Black	0.75mm ²	3	ø 6.7mm	-40°C/+80°C	Brown;Blue;Black
BE	PUR/PUR	Li-YY11Y	Black	0.75mm ²	4	ø7mm	-40°C/+80°C	Brown;Blue;Black;White
BF	PUR/PUR	Li-YY11Y	Black	0.75mm ²	5	ø 7.5 mm	-40°C/+80°C	Brown;Blue;Black;White;Grey
BG*	PUR/PUR	Li-YY11Y	Black	0.75mm ²	6	ø 8 mm	-40°C / +80°C	Green; Brown; White; Pink; Grey; Yellow

* = Cables with minimum quantity required.

Superseal 1.5mm connectors with moulded cable

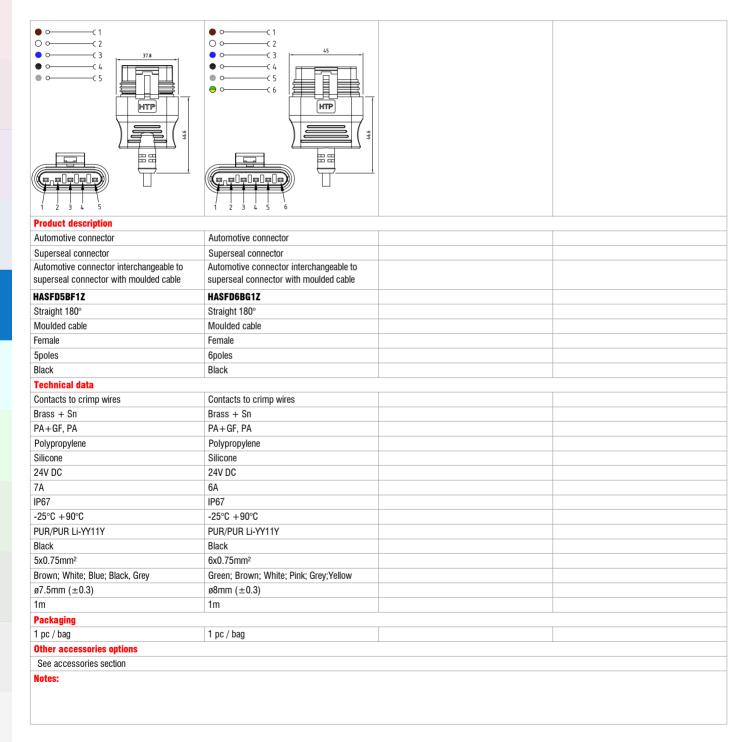


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Product description			
Connector type	Automotive connector	Automotive connector	Automotive connector
Interchangeable to	Superseal connector	Superseal connector	Superseal connector
Description	Automotive connector interchangeable to superseal connector with moulded cable	Automotive connector interchangeable to superseal connector with moulded cable	Automotive connector interchangeable to superseal connector with moulded cable
Part number	HASFD2BA1Z	HASFD3BD1Z	HASFD4BE1Z
Housing type	Straight 180°	Straight 180°	Straight 180°
Cable gland	Moulded cable	Moulded cable	Moulded cable
Contacts type	Female	Female	Female
Number of contacts	2poles	3poles	4poles
Housing colour	Black	Black	Black
Fechnical data			
Type of termination	Contacts to crimp wires	Contacts to crimp wires	Contacts to crimp wires
Contacts material	Brass + Sn	Brass + Sn	Brass + Sn
nternalcore material	PA+GF, PA	PA+GF, PA	PA+GF, PA
Connector body material	Polypropylene	Polypropylene	Polypropylene
Seal material	Silicone	Silicone	Silicone
Rated voltage	24V DC	24V DC	24V DC
Rated current	8A	8A	7A
Protection class	IP67	IP67	IP67
Operating temperature	-25°C +90°C	-25°C +90°C	-25°C +90°C
Cable type	PUR/PUR Li-YY11Y	PUR/PUR Li-YY11Y	PUR/PUR Li-YY11Y
Cable jacket colour No.Conductors / Section	Black 2x0.75mm ²	Black 3x0.75mm ²	Black 4x0.75mm ²
Conductors / Section	Brown; Blue	Brown; Blue; Black	Brown; White; Blue; Black
Cable diameter	ø6.5mm (±0.3)		ϕ g7mm (±0.3)
Cable length	1m	1m	1m
Packaging			
Qty/Bag	1 pc / bag	1 pc / bag	1 pc / bag
Other accessories options			
See accessories section			



Superseal 1.5mm connectors with moulded cable





Superseal 1.5mm connectors with moulded cable

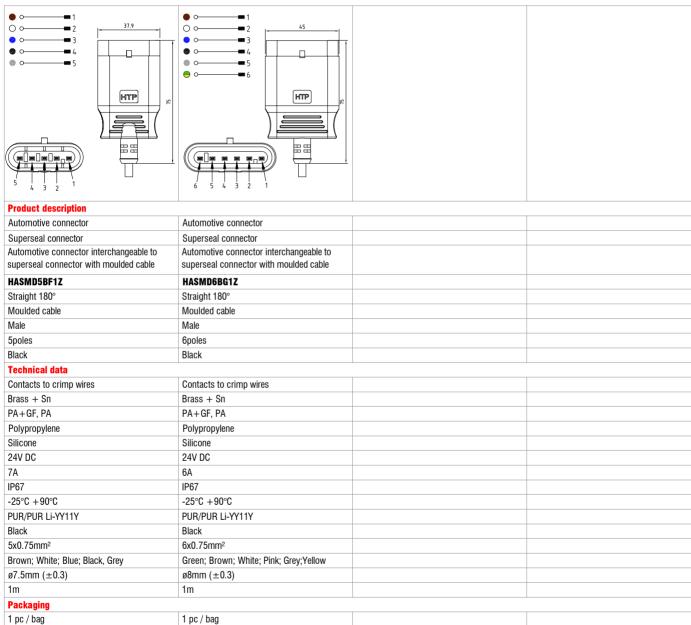


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Product description			
Connector type	Automotive connector	Automotive connector	Automotive connector
nterchangeable to	Superseal connector	Superseal connector	Superseal connector
Description	Automotive connector interchangeable to	Automotive connector interchangeable to	Automotive connector interchangeable to
	superseal connector with moulded cable	superseal connector with moulded cable	superseal connector with moulded cable
Part number	HASMD2BA1Z	HASMD3BD1Z	HASMD4BE1Z
Housing type	Straight 180°	Straight 180°	Straight 180°
Cable gland	Moulded cable	Moulded cable	Moulded cable
Contacts type	Male	Male	Male
Number of contacts	2poles Plack	3poles Black	4poles
Housing colour	Black	Black	Black
echnical data	Contacts to crimp wires	Contacto to orimp wires	Contacts to crimp wires
ype of termination Contacts material	Brass + Sn	Contacts to crimp wires Brass + Sn	Brass + Sn
nternalcore material	PA+GF, PA	PA+GF, PA	PA+GF, PA
Connector body material	Polypropylene	Polypropylene	Polypropylene
Seal material	Silicone	Silicone	Silicone
Rated voltage	24V DC	24V DC	24V DC
Rated current	8A	8A	7A
Protection class	IP67	IP67	IP67
Dperating temperature	-25°C +90°C	-25°C +90°C	-25°C +90°C
Cable type	PUR/PUR Li-YY11Y	PUR/PUR Li-YY11Y	PUR/PUR Li-YY11Y
Cable jacket colour	Black	Black	Black
Vo.Conductors / Section	2x0.75mm ²	3x0.75mm ²	4x0.75mm ²
Conductor colours	Brown; Blue	Brown; Blue; Black	Brown; White; Blue; Black
Cable diameter	ø6.5mm (±0.3)	ø6.7mm (±0.3)	ø7mm (±0.3)
Cable length	1m	1m	1m
Packaging		1	
Dty/Bag	1 pc / bag	1 pc / bag	1 pc / bag
		1	1
Other accessories options			



Superseal 1.5mm connectors with moulded cable





Other accessories options

See accessories section

Notes:

AUTOMOTIVE / METRIPACK CONNECTORS Superseal 1.5mm connectors with moulded cable



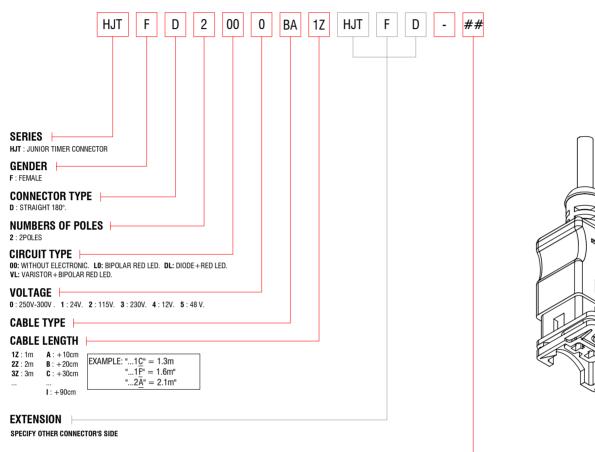
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Product description		. 2	1 2 3 4	1 2 3 4 5
Connector type	Automotive-M12 adapter	Automotive-M12 adapter	Automotive-M12 adapter	Automotive-M12 adapter
Interchangeable to	Superseal connector	Superseal connector	Superseal connector	Superseal connector
Description	Adapter with automotive connector (interchangeable to superseal connector) + M12 conn.	Adapter with automotive connector (interchangeable to superseal connector) + M12 conn.	Adapter with automotive connector (interchangeable to superseal connector) + M12 conn.	Adapter with automotive connector (interchangeable to superseal connector) + M12 conn.
Part number	HASFD2000-12MD	HASFD3000-12MD	HASFD4000-12MD	HASFD5000-12MD
Housing type	Straight 180°	Straight 180°	Straight 180°	Straight 180°
Contacts type	Female	Female	Female	Female
Number of contacts	2poles	3poles	4poles	5poles
Housing colour	Black	Black	Black	Black
Circular connector type	M12	M12	M12	M12
M12 Connector type	Straight 180°	Straight 180°	Straight 180°	Straight 180°
M12 contacts type	Male 3poles	Male 3poles	Male 4poles	Male 5poles
Number of contacts connected	n°2	n°3	n°4	n°5
Technical data				
Type of termination	Contacts to crimping wires	Contacts to crimping wires	Contacts to crimping wires	Contacts to crimping wires
Contacts material	Brass + Sn , Brass+Gold flash	Brass + Sn , Brass+Gold flash	Brass + Sn , Brass+Gold flash	Brass + Sn , Brass+Gold flash
M12 coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Internalcores material	PA+GF, PA	PA+GF, PA	PA+GF, PA	PA+GF, PA
Connector body material	Polypropylene	Polypropylene	Polypropylene	Polypropylene
Rated voltage	24 V DC	24 V DC	24 V DC	24 V DC
Gasket material	Silicone	Silicone	Silicone	Silicone
M12 o-ring material	NBR	NBR	NBR	NBR
Circuit type	-	-	-	-
Led colour	-	-	-	-
Rated current	4A	4A	4A	4A
Packaging				
Qty/Bag	1 pc / bag	1 pc / bag	1 pc / bag	1 pc / bag
Other accessories options	· P0 / buy	1 po / bug	· po / bug	1 p3 / bug
See accessories section				

Connectors available with different feautures: See the general features and codification scheme page See the cables list section



General features and codification scheme Junior Timer connectors

• GENERAL FEATURES OF MOULDED CONNECTORS:



SOME VARIABLES |-

 $\boldsymbol{S}: {\sf SPECIAL STRIPPING/PEELING-TINNING.} \quad \boldsymbol{Y}: {\sf WITHOUT H.T.P.LOGO}.$

• SUPERSEAL CONNECTORS CABLES:

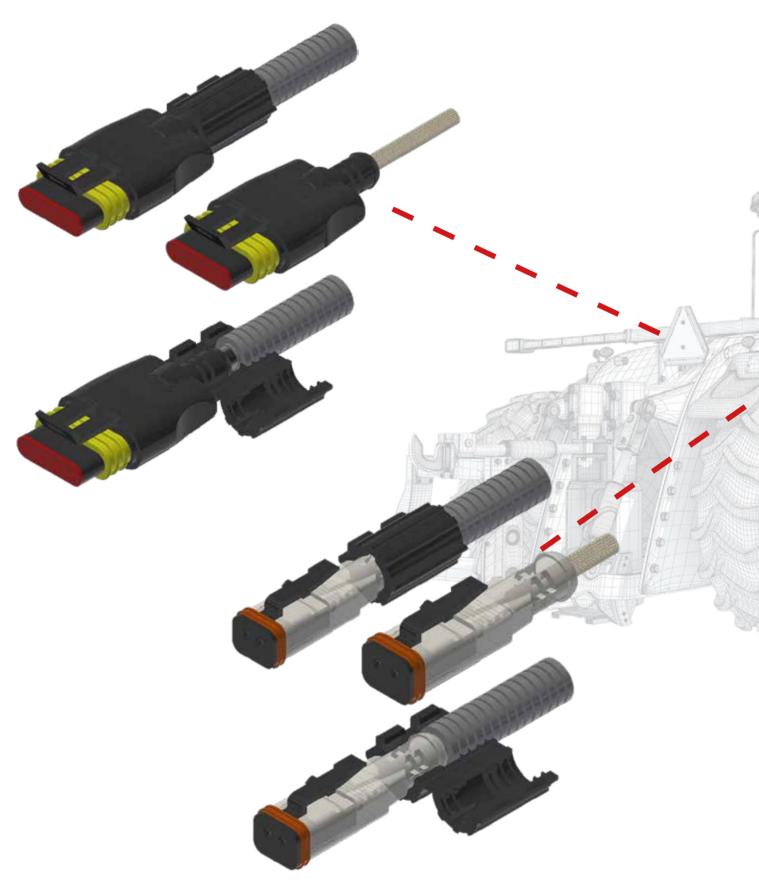
Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C	Wires colouring
A2	PVC/PVC	IEC332-1 H05VVF	Black	0.75mm ²	2	ø 6mm	-20°C / +80°C	Brown;Blue
A9	PUR/PUR		Black	0.75mm ²	2	ø 6mm	-40°C / +80°C	Brown;Blue
BA	PUR/PUR	Li-YY11Y	Black	0.75mm ²	2	ø 6.5mm	-40°C / +80°C	Brown;Blue

Junior Timer connectors

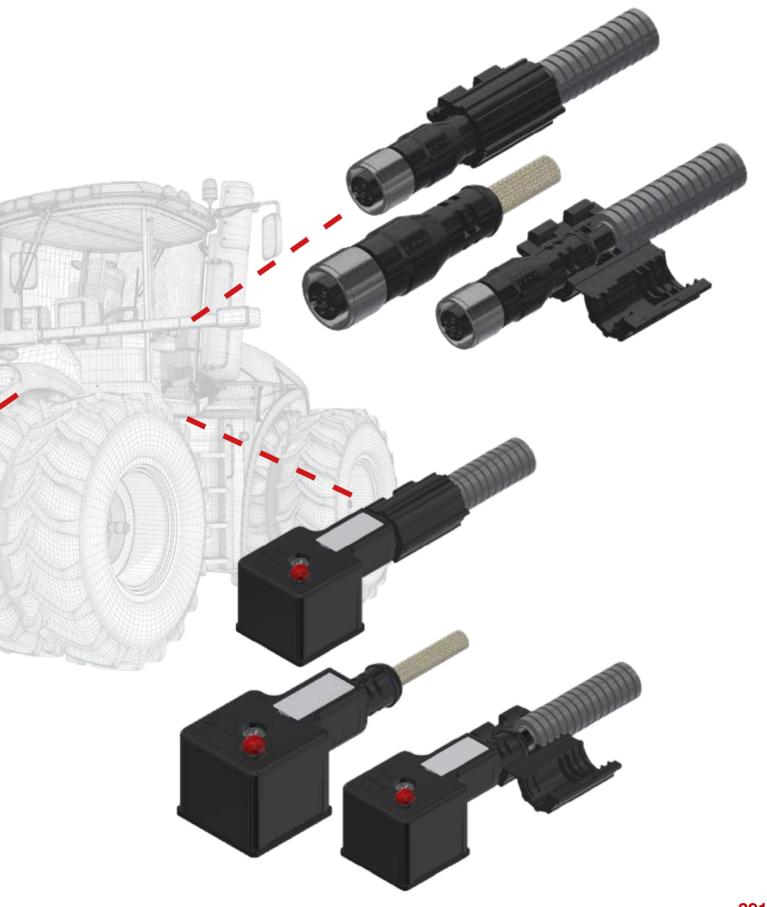


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Product description				
Connector type	Automotive/Valve connector	Automotive/Valve connector	Automotive/Valve connector	Automotive/Valve connector
Interchangeable to	Junior Timer	Junior Timer	Junior Timer	Junior Timer
Description	Automotive connector with moulded cable.Connector without electronic.	Automotive connector with moulded cable.Connector with electronic.	Automotive connector with moulded cable.Connector with electronic.	Automotive connector with mould cable.Connector with electronic.
Part number	HJTFD2000BA1Z	HJTFD2L01BA1Z	HJTFD2DL1BA1Z	HJTFD2VL1BA1Z
Housing type	Straight 180°	Straight 180°	Straight 180°	Straight 180°
Cable gland	Moulded cable	Moulded cable	Moulded cable	Moulded cable
Contacts type	Female	Female	Female	Female
Number of contacts	2poles	2poles	2poles	2poles
Housing colour	Black	Transparent	Transparent	Transparent
Technical data	1	· · ·	I	
Type of termination	Contacts to crimping wires	Contacts to crimping wires	Contacts to crimping wires	Contacts to crimping wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Internalcore material	PA66+GF; Spring:Steel	PA66+GF; Spring:Steel	PA66+GF; Spring:Steel	PA66+GF; Spring:Steel
Connector body material	Polypropylene	Polypropylene	Polypropylene	Polypropylene
Rated voltage	1-230 V AC/DC	24 V AC/DC	24 V DC	24 V AC/DC
Circuit type	-	Bipolar Led	Led + Diode(1A)	Led + Varistor
Led colour	-	Red	Red	Red
Rated current	4A	1A	1A	1A
Protection class	IP65	IP65	IP65	IP65
Cable type	PUR/PUR Li-YY11Y	PUR/PUR Li-YY11Y	PUR/PUR Li-YY11Y	PUR/PUR Li-YY11Y
Cable jacket colour	Black	Black	Black	Black
No.Conductors / Section	2x0.75mm ²	2x0.75mm ²	2x0.75mm ²	2x0.75mm ²
Conductor colours	Brown; Blue	Brown; Blue	Brown; Blue	Brown; Blue
	ø6.5mm (±0.3)	ø6.5mm (±0.3)	ø6.5mm (±0.3)	ø6.5mm (±0.3)
Cable diameter	1m	1m	1m	1m
Cable diameter Cable length				
Cable length	1 pc / bag	1 pc / bag	1 pc / bag	1 pc / bag
Cable length Packaging		1 pc / bag	1 pc / bag	1 pc / bag











Notes

Notes:

NOTES:		





Valve Splitter connectors - General features and codification scheme

• GENERAL FEATURES:

Conductor cross section : $0.34(22AWG) \dots 1.50mm^2(16AWG).$

Fixing system : Central fixing screw.

Max. screw torque IEC60947-1 (Central fixing screw) : CG1-CM1-CM2-CP2 series: Max. 0.5 N * m. CP1 series: Max. 0.4 N * m.

Type of terminations : To solder.

Contact material and treatment : Brass + Silver plated. Housing material : Polypropylene.

Internal core material : PA66-V2.

Protection class : IP67.

Operating temperature : -25°C +90°C (connector) (NBR gasket -40°C +90°C) (Silicone gasket -40°C +125°C)

			CG	D	N	0	2	00		с	02	2	-	ŧ	##	-	##	
SERIES GG: EN175301-80; CG1 : EN175301-80; CG1 : EN175301-8 CM1 : INDUSTRIAL CM2 : EN175301-8 CP1 : EN175301-8 CP2 : MICRO INDU	03 form A (18) form B (11mr 803 form B (10 03 form C (8m	mm). n). mm). im).																
EXITS D : 2 EXITS. 3 : 3 12 : 12 EXITS.	EXITS. 4 : 4 E	EXITS. 5 : 5 EX	ITS															
COLOUR																		
CABLE EXIT																		
0 : MOULDED CAB																		
POLES No. 2 : 2POLES + EAR		ES + EARTH.																
CIRCUIT TYP																		
SEE CIRCUITS PAG	λE.																	
0 : 250V / 300V.	1 :24V. 2 :1	15V. 3 : 230V.	4 : 12V.	5 : 48V.														
EARTH POSI																		
A: H.6. B: H.12.			3. E : H.9.	F : DOUE	BLE H.3-9).												
2 EXITS:			Black 0.75m	m² 4	ø7mm -	20°C / +80°C												
3 EXITS:			Black 0.75m			20°C / +80°C	-											
4-5-6 EXITS:	8N PVC/PVC		Black 0.34m		_	20°C / +80°C	_											
7-8 EXITS:	4P PUR/TPO		0.34m	m² 8		25°C / +80°C												
9-10-11-12-13-14		8P PUR/TF	0.7311		. 0.34m	im² 16		-25°C/+8	2010									
0 10 11 12 10 14	TO TO EATO.	or ronyin	-0 ULStyle 2	20549 Bla	ск 0.75m	im² 3	910.0mm	-23 67 +0	50 0									
CABLE LENG																		
1:1m A:+1 2:2m B:+2	Ocm EXAM	IPLE: "CB22																
3:3m C:+3			<u>"</u> = 2.6m" " = 2.9m"															
I:+90																		
CABLE LENG NO DIGIT: 200mm																		
No Diuri. 2001111			ooonnin. L															

SOME VARIABLES

L : PROFILED GASKET. SS : STAINLESS STEEL SCREW. Y : WITHOUT H.T.P.LOGO. ##: CUSTOMIZED VARIABLES.

M8-M12 Splitter connectors - General features and codification scheme



• GENERAL FEATURES:

Conductor cross section : M8: 0.14(26AWG) ... 0.5mm²(20AWG). M12: 0.25(24AWG) ... 0.75mm²(19AWG).

Fixing system : M8 / M12 coupling nut.

Max. screw torque IEC60947-1 M8 coupling nut torque 0.4N*m. M12 coupling nut torque 0.6N*m.

Type of terminations : Crimped wires/to solder.

EXITS

\$12: 12 EXITS SERIES | - : FREE CABLE

2 EXITS:

3 EXITS:

4-5-6 EXITS

9-10-11-12-13-

14-15-16 EXITS:

8P

ł - : FREE CABLE.

7-8 EXITS

3Z : 3m

SERIES

A: M12 MALE 180°.

B: M12 MALE 90° **C:** M12 FEMALE 180° **D:** M12 FEMALE 90°.

E: M8 MALE 180° F: M8 MALE 90°.

G: M8 FEMALE 180° H: M8 FEMALE 90°.

M: 7/8" MALE 180° N: 7/8" FEMALE 180°

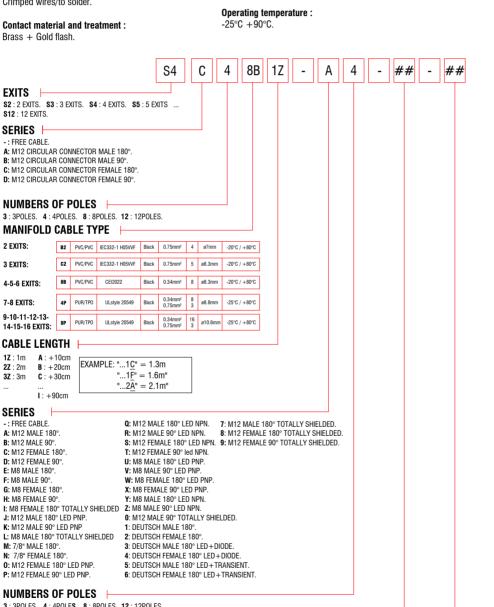
Contact material and treatment : Brass + Gold flash.

Housing material : Polypropylene.

Internal core material : PA66-V2

Coupling nut material : Brass+Nickel plated Stainless steel AISI304(upon request)

Protection class : IP67.



3: 3POLES. 4: 4POLES. 8: 8POLES. 12: 12POLES. **CABLE LENGTH SPLITTER-CONNECTORS**

NO DIGIT: 200mm. 350: 350mm. ... 1000: 1000mm. ETC SOME VARIABLES

Y: WITHOUT H.T.P.LOGO. ##: CUSTOMIZED VARIABLES.



Valve in line connectors - General features and codification scheme

• GENERAL FEATURES:

Conductor cross section : 0.34(22AWG) ... 1.50mm²(16AWG).

Fixing system : Central fixing screw.

Max. screw torque IEC60947-1 (Central fixing screw) : CG1series: Max. 0.5 N * m.

Type of terminations : To solder.

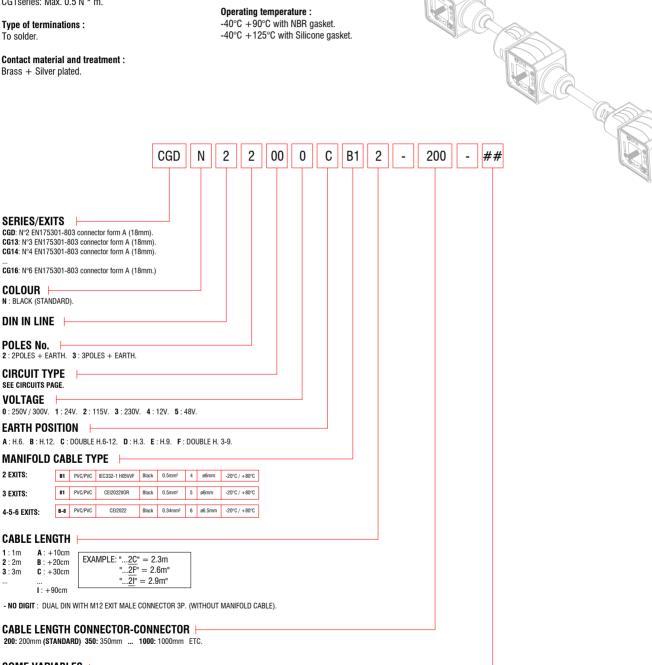
Brass + Silver plated.

Housing material : Polypropylene.

Internal core material : PA66-V2

Protection class : IP67

Operating temperature : -40°C +90°C with NBR gasket.



SOME VARIABLES |-

L : PROFILED GASKET. **SS** : STAINLESS STEEL SCREW. **Y** : WITHOUT H.T.P.LOGO. **M12** : DUAL DIN WITH M12 EXIT MALE CONNECTOR 3P. (WITHOUT MANIFOLD CABLE). ##: CUSTOMIZED VARIABLES.

2 EXITS:

3 EXITS:

1:1m

2:2m 3:3m

Valve chain connectors - General features and codification scheme



• GENERAL FEATURES:

Conductor cross section : $0.34(22AWG) \dots 1.50mm^2(16AWG).$

Fixing system : Central fixing screw.

Max. screw torque IEC60947-1 (Central fixing screw) : CG1E-CM1E-CM2E series: Max. 0.5 N * m.

Type of terminations : To solder.

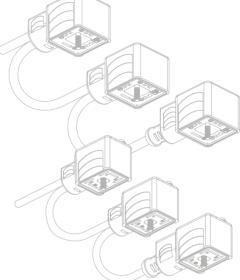
Contact material and treatment : Brass + Silver plated.

Housing material : Polypropylene.

Internal core material : PA66-V2.

Protection class : IP67.

Operating temperature : -40°C + 90°C with NBR gasket. -40°C + 125°C with Silicone gasket.



		CG1	E	2	Ν		0	2	0	0	0	(;	B1	2	-	2	00
							Τ											
ERIES G1E : EN175301-803 form V1E : INDUSTRIAL form B V2E : EN175301-803 form	(11mm) IN C	CHAIN.																
XITS 4: 3 EXITS. 4 5 EXITS. 6: 6 EXITS.	: 4 EXITS.																	
OLOUR : BLACK (STANDARD). ABLE EXIT : MOULDED CABLE																		
OLES No. : 2POLES + EARTH. 3:3	POLES + E/	ARTH.																
IRCUIT TYPE HE CIRCUITS PAGE.																		
OLTAGE : 250V / 300V. 1 : 24V. 2	2:115V. 3	: 230V.	4 : 12	V. 5:4	48V.													
ARTH POSITION																		
:H.6. B:H.12. C:DOU ANIFOLD CABLE		D : H.3.	E : H	.9. F :	DOUB	LE H.	3-9.											
EXITS: B1 PVC/		H05VVF F	lack 0	1.5mm²	4 e	16mm	=20°C	/ +80°C	1					_				
EXITS: 81 PVC/				1.5mm²		âmm		/ +80°C]									
-5-6 EXITS: B-8 PVC/	PVC CEI2	022 E	lack 0	1.34mm²	6 ø6	6.5mm	-20°C	/ +80°C]									
									1									
CABLE LENGTH																		
:1m A:+10cm :2m B:+20cm :3m C:+30cm I:+90cm		" <u>2C</u> " = " <u>2F</u> " = " <u>2I</u> " =	= 2.6n	1"														
																		1

SOME VARIABLES

L : PROFILED GASKET. SS : STAINLESS STEEL SCREW. Y : WITHOUT H.T.P.LOGO. ##: CUSTOMIZED VARIABLES.



M12 Y SPLITTER with moulded cable - General features and codification scheme

• GENERAL FEATURES:

Conductor cross section : M8: 0.25(24AWG) ... 0.5mm²(20AWG). M12: 0.25(24AWG) ... 0.75mm²(19AWG). DIN: 0.5mm²(20AWG).. 0.75mm²(19AWG).

M12 Y Fixing system : M12 coupling nut.

Max. screw torque IEC60947-1 M8 coupling nut torque 0.2 N * m. M12 coupling nut torque 0.4 N * m. (Central fixing screw) : CG1-CM1-CM2-CP2 series: Max. 0.5 N * m. CP1 series: Max. 0.4 N * m.

M12 Y- Contact material and treatment : Brass + Gold flash.

M12 Y - Housing material : Polypropylene.

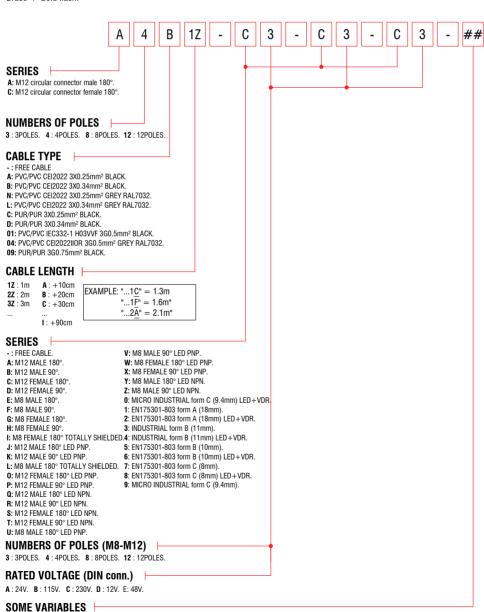
M12 Y - Internal core material : PA66-V2.

M12 Y - Coupling nut material : Brass + Nickel plated. Stainless steel AISI304(upon request). Circuit type :

Parallel. Shunting.

Protection class : IP67.

Operating temperature : -25°C +90°C.





Y: WITHOUT H.T.P.LOGO. ##: CUSTOMIZED VARIABLES.





WE CAN PRODUCE CUSTOMIZED PRODUCTS IN CONFORMITY WITH CUSTOMER'S REQUIREMENTS; MULTIPLE CONNECTORS CAN BE RANGE FROM 2 UP TO 16 CONNECTORS.



SPECIAL CONNECTORS Customized products







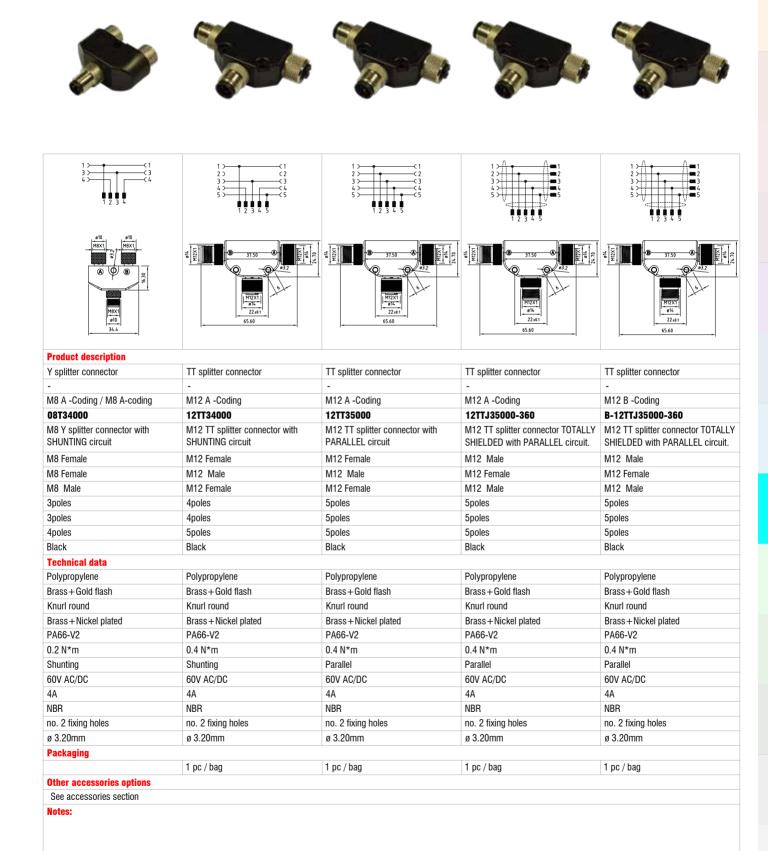




Technical drawing		$\begin{array}{c} 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 1 \\ 1 \\ 2 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	$\begin{array}{c} 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 1 \\ 2 \\ 2 \\ 1 \\ 2 \\ 2 \\ 1 \\ 2 \\ 2 \\ 2$		
		8 14.0 MIZAT MIZAT MIZAT MIZAT MIZAT MIZAT MIZAT MIZAT MIZAT MIZAT MIZAT MIZAT MIZAT MIZAT		8 14.0 1 112.1 1 11	
Product description	1				
Connector type		Y splitter connector	Y splitter connector	Y splitter connector	Y splitter connector
Conforms to		-	-	-	-
Construction type		M12 A -Coding	M12 A -Coding	M12 A -Coding	M12 A -Coding / M8 A-coding
Part number		12T34000	12T35000	12T45000	12T308F
Description		M12 Y splitter connector with SHUNTING circuit	M12 Y splitter connector with PARALLEL circuit	M12 Y splitter connector with 3 LED, PNP circuit	M12 Y splitter connector with N.2 M8 conn. with SHUNTING circuit
Contacts type	Side A	M12 Female	M12 Female	M12 Female	M8 Female
	Side B	M12 Female	M12 Female	M12 Female	M8 Female
	INPUT side	M12 Male	M12 Male	M12 Male	M12 Male
Number of contacts	Side A	4poles	5poles	4poles	3poles
	Side B	4poles	5poles	4poles	3poles
	INPUT side	5poles	5poles	5poles	4poles
Housing colour		Black	Black	Transparent	Black
Technical data					
Housing material		Polypropylene	Polypropylene	Polypropylene	Polypropylene
Contacts material		Brass+Gold flash	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Coupling nut type		Knurl round	Knurl round	Knurl round	Knurl round
Coupling nut material		Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Internal core material		PA66-V2	PA66-V2	PA66-V2	PA66-V2
V12 coupling nut tor	que	0.4 N*m	0.4 N*m	0.4 N*m	M12: 0.4 N*m / M8: 0.2N*m
Circuit type		Shunting	Parallel	3 LED PNP	Shunting
Rated voltage		60V AC/DC	60V AC/DC	24V AC/DC	60V AC/DC
Rated current		4A	4A	4A	3A
O-ring material		NBR	NBR	NBR	NBR
Fixing type		no. 1 fixing hole	no. 1 fixing hole	no. 1 fixing hole	no. 1 fixing hole
Fixing hole diameter		ø 3.20mm	ø 3.20mm	ø 3.20mm	ø 3.20mm
Packaging		4 /	4 /	1	4
Qty/Bag Other accessories (1 pc / bag	1 pc / bag	1 pc / bag	1 pc / bag
Dihay assesses	ntione				

нт	P®	(
HIGH TECH PRO	DUCTS S.F	₹.∟.

M8-M12 Y SPLITTER connectors





M8-M12 T SPLITTER connectors



Technical drawing				1 >	$1 \rightarrow \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad $
		75 100 100 100 100 100 100 100 10	75 1991-97 199	75 1007-8/L 55 7/8'-16UN	
Product description					
Connector type		T splitter connector	T splitter connector	T splitter connector	T splitter connector
Conforms to		-	-	-	-
Construction type		7/8"-16 UN	7/8"-16 UN	7/8"-16 UN	7/8"-16 UN
Part number		78T73000	78T74000	78T75000	78T76000
Description		T splitter connector 7/8"-16 UN with PARALLEL circuit	T splitter connector 7/8"-16 UN with PARALLEL circuit	T splitter connector 7/8"-16 UN with PARALLEL circuit	T splitter connector 7/8"-16 UN with M12,PARALLEL circuit
Contacts type	Side A	7/8" Female	7/8" Female	7/8" Female	7/8" Female
	Side B	7/8" Male	7/8" Male	7/8" Male	7/8" Male
	INPUT side	7/8" Female	7/8" Female	7/8" Female	M12 Female
Number of contacts	Side A	3poles	4poles	5poles	5poles
	Side B	3poles	4poles	5poles	5poles
	INPUT side	3poles	4poles	5poles	5poles
Housing colour		Black	Black	Black	Black
Technical data			1	1	1
Housing material		Polypropylene	Polypropylene	Polypropylene	Polypropylene
Contacts material		Brass+Gold flash	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Coupling nut type		Knurl round	Knurl round	Knurl round	Knurl round
Coupling nut material		Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Internal core material		PVC	PVC	PVC	7/8": PVC ; M12: PA66-V2
7/8" coupling nut tore	que	0.8 N*m	0.8 N*m	0.8 N*m	7/8":0.8 N*m ; M12: 0.4n*m
Circuit type		Parallel	Parallel	Parallel	Parallel
Rated voltage		250V AC / DC	250V AC / DC	250V AC / DC	30V AC / 36V DC
Rated current		12A	9A	9A	4A
O-ring material		-	-	-	NBR
Fixing type		no. 2 fixing holes	no. 2 fixing holes	no. 2 fixing holes	no. 2 fixing holes
Fixing hole diameter		ø 3.20mm	ø 3.20mm	ø 3.20mm	ø 3.20mm
Packaging			1	1	1
Qty/Bag		1 pc / bag	1 pc / bag	1 pc / bag	1 pc / bag
Other accessories of	ptions		-	-	-
See accessories sect	-				
Notes:					



M8-M12 Adapter connectors



Technical drawing		1 — ———————————————————————————————————	1 = <1 $2 = <2$ $3 = <3$ $4 = <4$	$ \begin{array}{c} 1 \\ 2 \\ - \\ 3 \\ - \\ 4 \\ 5 \\ - \\ 5 \\ - \\ 5 \\ - \\ 5 \\ - \\ 5 \\ - \\ 5 \\ - \\ 5 \\ - \\ 5 \\ - \\ 5 \\ - \\ - \\ 5 \\ - \\ - \\ 5 \\ - \\ - \\ - \\ 5 \\ - \\ - \\ - \\ - \\ - \\ - \\ - \\ - \\ - \\ -$	1 — — — 1 2 — — — 2 3 — — — 3 4 — — 4 5 — — — 4
		3750 3750			37.50 37.50 222,611 69.60
Product description					
Connector type		Adapter connector	Adapter connector	Adapter connector	Adapter connector
Conforms to		-	-	-	-
Construction type		M12 A -Coding	M12 A -Coding	M12 A -Coding	M12 A -Coding
Part number		08FD3-12MD3	08FD4-12MD4	12FD5-12FD5	12MD5-12MD5
Description		M8-M12 Adapter connector Female-Male	M8-M12 Adapter connector Female-Male	M12-M12 Adapter connector Female-Female	M12-M12 Adapter connector Male-Male
Contacts type	Side A	M8 Female	M8 Female	M12 Female	M12 Male
	Side B	M12 Male	M12 Male	M12 Female	M12 Male
Number of contacts	Side A	3poles	4poles	5poles	5poles
	Side B	3poles	4poles	5poles	5poles
Housing colour		Black	Black	Black	Black
Technical data					
Housing material		Polypropylene	Polypropylene	Polypropylene	Polypropylene
Contacts material		Brass+Gold flash	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Coupling nut type		Knurl round	Knurl round	Knurl round	Knurl round
Coupling nut material		Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Internal core material		PA66-V2	PA66-V2	PA66-V2	PA66-V2
Coupling nut torque		M12: 0.4 N*m M8: 0.2 N*m	M12: 0.4 N*m M8: 0.2 N*m	0.4 N*m	0.4 N*m
Circuit type		Parallel	Parallel	Parallel	Parallel
Rated voltage		50V AC/60V DC	50V AC/60V DC	60V AC/DC	60V AC/DC
Rated current		3A	3A	4A	4A
O-ring material		NBR	NBR	NBR	NBR
Fixing type		no. 2 fixing holes	no. 2 fixing holes	no. 2 fixing holes	no. 2 fixing holes
Fixing hole diameter		ø 3.20mm	ø 3.20mm	ø 3.20mm	ø 3.20mm
Packaging		4(D	4/D	4/D	4(D
Qty/Bag		1pc/Bag	1pc/Bag	1pc/Bag	1pc/Bag
Other accessories o					
See accessories sect	ion				

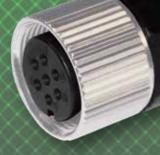


			A Plant - T	
- the table of the sectors				
echnical drawing	C 1 C 2	■ 1 ■ 2		
45,50	C 3	2 3		
	C 4	4	C 4	4
			SH C 5	SH - 5
49,50	1, 2	2 1	1, 2	2 1
	- ALA			
	5	5	5	5
	4 3	3 4	4 3	3
roduct description				
onnector type	Circular terminator connector	Circular terminator connector	Circular terminator connector	Circular terminator connector
onforms to	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101
construction type	M12 A -Coding	M12 A -Coding	M12 B -Coding	M12 B -Coding
Description	Terminator circular connector M12	Terminator circular connector M12	Terminator circular connector M12	Terminator circular connector M
0001121011	series	series	series	series
'art number	12FD5000-TERM	12MD5000-TERM	B-12FJ5000-TERM	B-12MJ5000-TERM
lousing type	Straight 180°	Straight 180°	Straight 180°	Straight 180°
able gland	-	-	-	-
Contacts type	Female	Male	Female	Male
lumber of contacts	5poles	5poles	5poles	5poles
lousing colour	Black	Black	Black	Black
echnical data	1	1	1	
ype of termination	Contacts to crimp wires	Contacts to crimp wires	Contacts to crimp wires	Contacts to crimp wires
ontacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
oupling nut type	Knurl round	Knurl round	Knurl round	Knurl round
112 coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
112 coupling nut torque	0.4 N*m	0.4 N*m	0.4 N*m	0.4 N*m
				60V AC/DC
ated voltage	60V AC/DC	60V AC/DC	60V AC/DC	
	60V AC/DC 4A	60V AC/DC 4A	60V AC/DC 4A	
lated current	4A	4A	4A	4A
ated current esistance value	4A 120Ω	4A 120Ω	4A R1: 220Ω R2: 330Ω R3: 330Ω	4A R1: 220Ω R2: 330Ω R3: 330Ω
ated current esistance value	4A	4A	4A	4A
ated current esistance value	4A 120Ω	4A 120Ω	4A R1: 220Ω R2: 330Ω R3: 330Ω	4A R1: 220Ω R2: 330Ω R3: 330Ω
ated current esistance value	4A 120Ω	4A 120Ω	4A R1: 220Ω R2: 330Ω R3: 330Ω	4A R1: 220Ω R2: 330Ω R3: 330Ω
Rated voltage Rated current Resistance value D-ring material	4A 120Ω	4A 120Ω	4A R1: 220Ω R2: 330Ω R3: 330Ω	4A R1: 220Ω R2: 330Ω R3: 330Ω
Rated current Resistance value D-ring material	4A 120Ω	4A 120Ω	4A R1: 220Ω R2: 330Ω R3: 330Ω	4A R1: 220Ω R2: 330Ω R3: 330Ω
tated current tesistance value -ring material 'ackaging	4Α 120Ω NBR	4A 120Ω -	4A R1: 220Ω R2: 330Ω R3: 330Ω NBR	4A R1: 220Ω R2: 330Ω R3: 330Ω -
tated current tesistance value I-ring material 'ackaging tty/Bag	4A 120Ω	4A 120Ω	4A R1: 220Ω R2: 330Ω R3: 330Ω	4A R1: 220Ω R2: 330Ω R3: 330Ω
ated current esistance value -ring material <mark>ackaging</mark>	4Α 120Ω NBR	4A 120Ω -	4A R1: 220Ω R2: 330Ω R3: 330Ω NBR	4A R1: 220Ω R2: 330Ω R3: 330Ω -



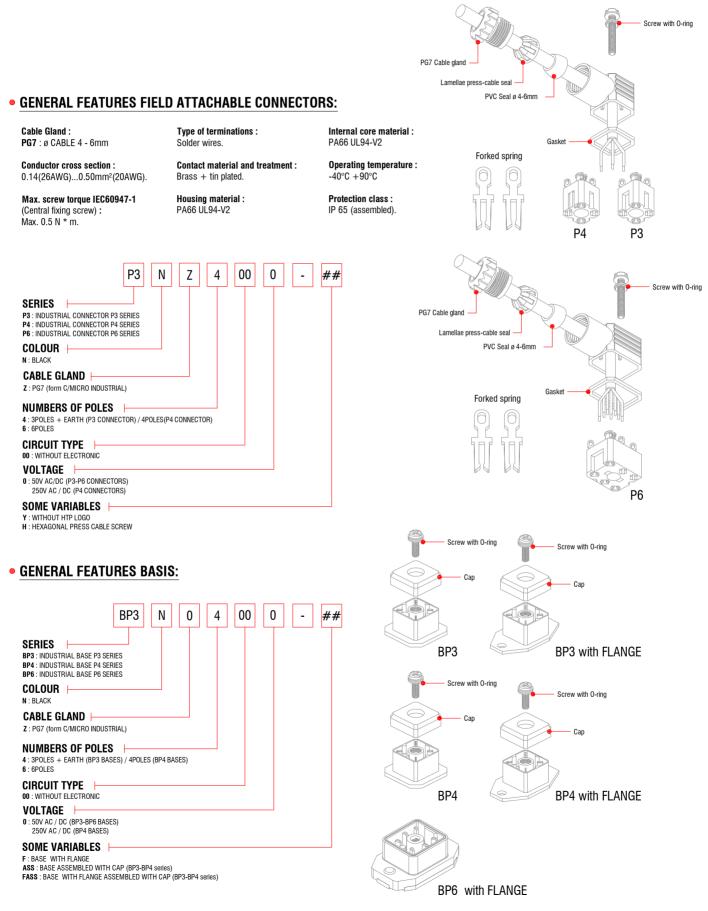








IEC 61984 connectors - Field attachable connectors -General features and codification scheme











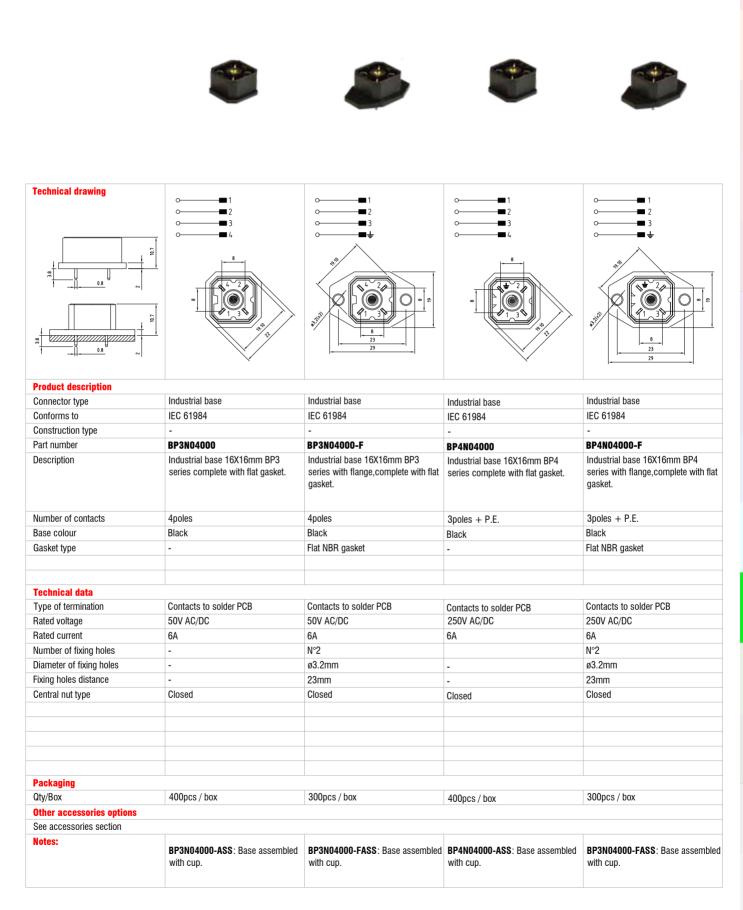
Technical drawing			
	PG7 015	PG7	
Product description			· · ·
Connector type	Industrial connectors	Industrial connectors	Accessories
Conforms to	IEC 61984	IEC 61984	-
Construction type	-	-	-
Part number	P3NZ4000	P4NZ4000	BP3NZ4000-CAP
Description	Industrial connector 16X16mm P3 series complete with gasket and fixing screw. Connector without electronic.	Industrial connector 16X16mm P4 series complete with gasket and fixing screw. Connector without electronic.	Cap for basis BP3 and BP4 series complete with central fixing screw.
Number of contacts	4poles	3poles + P.E.	
Housing colour	Black	Black	Black
Height housing	15mm	15mm	
Cable gland	PG7	PG7	
Gasket type	NBR gasket	NBR gasket	NBR gasket
Technical data			
Type of termination	Solder contacts	Solder contacts	
Contact screw torque	-	-	
Rated voltage	50V AC/DC	250V AC/DC	
Rated current	6A	6A	
Circuit type	Without electronic	Without electronic	
Led colour	-	-	
Suitable cable	ø cable 4-6mm	ø cable 4-6mm	
Central fixing screw	M3 L=23mm	M3 L=23mm	
Central fixing screw material	Stainless steel AISI304	Stainless steel AISI304	Stainless steel AISI304
Central screw torque	0.5 N*m	0.5 N*m	
Packaging			
Qty/Box	50pcs / bag	50pcs / bag	50pcs / bag
Other accessories options			
See accessories section			
Notes:			CAP suitable for BP3/BP4 connectors.





[
Technical drawing		
Product description		
Connector type	Industrial connectors	
Conforms to	IEC 61984	
Construction type	-	
Part number	P6NZ6000	
Description	Industrial connector 18.5X16.5mm P6 series complete with gasket and fixing screw. Connector without electronic.	
Number of contacts	6poles	
Housing colour	Black	
Height housing	15.5mm	
Cable gland	PG7	
Gasket type	NBR gasket	
Technical data		
Type of termination	Solder contacts	
Contact screw torque	-	
Rated voltage	50V AC/DC	
Rated current	6A	
Circuit type	Without electronic	
Led colour	-	
Suitable cable	ø cable 4-6mm	
Central fixing screw	M3 L=23mm	
Central fixing screw material	Stainless steel AISI304	
Central screw torque	0.5 N*m	
Packaging		
Qty/Box	50pcs / bag	
Other accessories options		
See accessories section		
Notes:		









Technical drawing	o 1		
	o 2		
	o 3		
	o■ 5 o■ 6		
	32		
	18.5		
~			
	7 23.4		
Product description			
Product description	Industrial base		
Connector type Conforms to	IEC 61984		
Construction type Part number	-		
	BP6N06000-F		
Description	Industrial base 18.5X16.5mm BP3 series with flange,complete with flange		
	gasket.		
	940104		
Number of contacts	6poles		
Base colour	Black		
Gasket type	Flat NBR gasket		
Technical data			
Type of termination	Contacts to solder PCB		
Rated voltage	50V AC/DC		
Rated current	6A		
Number of fixing holes	N°2		
Diameter of fixing holes	ø3.2mm		
Fixing holes distance	25.4mm		
Central nut type	Closed		
Packaging		1	
Qty/Box	200pcs / box		
Other accessories options			
See accessories section			
Notes:			



• GENERAL FEATURES FIELD ATTACHABLE CONNECTORS/ TO PANEL:

The technical data of the circular connectors series 15 is in conformity with EN175000.

Specific features of these connectors are solid construction and easy handling.

This series of connector is interchangeable with MIL-C-5015, shell size 14S connectors.

Mains fields of application are proportional valves and measurement,test and control.

Cable Gland :

PG11 : ø cable 6-10mm(field attachable).

Conductor cross section : 0.5mm²(20AWG)...1.5mm²(16AWG).

Type of terminations : Solder wires.

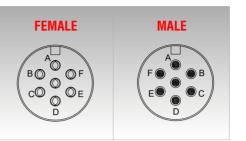
Contact material and treatment : Brass + gold flash. Housing material : PA66 UL94-V2 (field attachable). Brass+Nickel plated (to panel).

Coupling nut material: Brass+Nickel plated.

Internal core material :

PA66 UL94-V2.
Protection class :

IP65 (assembled).

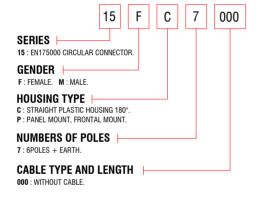


Operating temperature : $-40^{\circ}C + 90^{\circ}C$.

Rated voltage: $\sim 60V / \sim 75V.$

Rated insulation voltage: ~ 150 V.

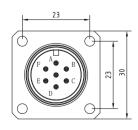
Nominal current : 6A (0.5mm²). 9A (1.5mm²).

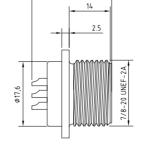




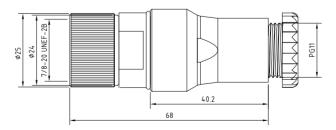


• 15MP7000





• 15FC7000



313



Notes:



INDUSTRIAL LIGHTING



INDUSTRIAL LIGHTING IP67 / IP54 LED LIGHT TUBE



Code	Material	Lighting Length	Rated Voltage	Rated Power	Luminous flux	Lighting colour	Protection class IP	Temperature range °C	No. of FIXING CLIPS
LED-T0250-12MD	Polycarbonate	0.25m	24V DC	3,9 W	550 Lm	6000K Pure White	IP67	-25°C / +60°C	No.2
LED-T0500-12MD	Polycarbonate	0.5m	24V DC	7,7 W	1100 Lm	6000K Pure White	IP67	-25°C/+60°C	No.2
LED-T1000-12MD	Polycarbonate	1m	24V DC	15,4 W	2200 Lm	6000K Pure White	IP67	-25°C/+60°C	No.2
LED-T2000-12MD	Polycarbonate	2m	24V DC	30,7 W	4400 Lm	6000K Pure White	IP67	-25°C / +60°C	No.2





Code	Material	Lighting Length	Rated Voltage	Rated Power	Luminous flux	Lighting colour	Protection class IP	Temperature range °C	No. of FIXING CLIPS
LED-12FD-T0250-12MD	Polycarbonate	0.25m	24V DC	3,9 W	550 Lm	6000K Pure White	IP67	-25°C / +60°C	No.2
LED-12FD-T0500-12MD	Polycarbonate	0.5m	24V DC	7,7 W	1100 Lm	6000K Pure White	IP67	-25°C / +60°C	No.2
LED-12FD-T1000-12MD	Polycarbonate	1m	24V DC	15,4 W	2200 Lm	6000K Pure White	IP67	-25°C / +60°C	No.2
LED-12FD-T2000-12MD	Polycarbonate	2m	24V DC	30,7 W	4400 Lm	6000K Pure White	IP67	-25°C / +60°C	No.2





Code	Material	Lighting Length	Rated Voltage	Rated Power	Luminous flux	Lighting colour	Protection class IP	Temperature range °C	No. of FIXING CLIPS
LED-P0250-12MD	Polycarbonate	0.25m	24V DC	3,9 W	450 Lm	4500K Pure White	IP54	-25°C / +60°C	No.2
LED-P0500-12MD	Polycarbonate	0.5m	24V DC	7,7 W	900 Lm	4500K Pure White	IP54	-25°C / +60°C	No.3
LED-P1000-12MD	Polycarbonate	1m	24V DC	15,4 W	1800 Lm	4500K Pure White	IP54	-25°C / +60°C	No.4
LED-P2000-12MD	Polycarbonate	2m	24V DC	30,7 W	3600 Lm	4500K Pure White	IP54	-25°C / +60°C	No.6

INDUSTRIAL LIGHTING



IP67 / IP54 LED LIGHT TUBE



Code	Material	Lighting Length	Rated Voltage	Rated Power	Luminous flux	Lighting colour	Protection class IP	Temperature range °C	No. of FIXING CLIPS
LED-12FD-P0250-12MD	Polycarbonate	0.25m	24V DC	3,9 W	450 Lm	4500K Pure White	IP54	-25°C / +60°C	No.2
LED-12FD-P0500-12MD	Polycarbonate	0.5m	24V DC	7,7 W	900 Lm	4500K Pure White	IP54	-25°C / +60°C	No.3
LED-12FD-P1000-12MD	Polycarbonate	1m	24V DC	15,4 W	1800 Lm	4500K Pure White	IP54	-25°C / +60°C	No.4
LED-12FD-P2000-12MD	Polycarbonate	2m	24V DC	30,7 W	3600 Lm	4500K Pure White	IP54	-25°C / +60°C	No.6





IP

67

54

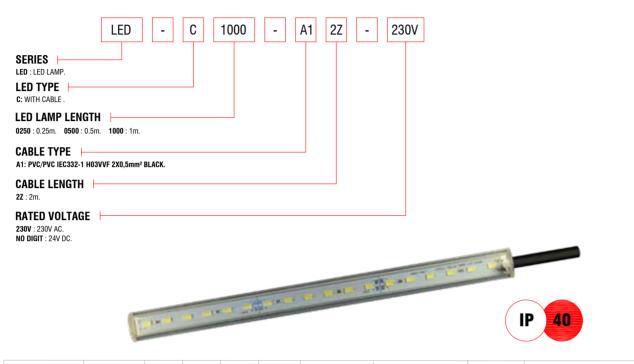
Code	Material	Lighting Length	Rated Voltage	Rated Power	Luminous flux	Lighting colour	Protection class IP	Temperature range °C	No. of FIXING CLIPS
LED-G0250-12MD	Borosilicate Glass	0.25m	24V DC	3,9 W	450 Lm	4500K Pure White	IP67	-25°C / +60°C	No.2
LED-G0500-12MD	Borosilicate Glass	0.5m	24V DC	7,7 W	900 Lm	4500K Pure White	IP67	-25°C / +60°C	No.3
LED-G1000-12MD	Borosilicate Glass	1m	24V DC	15,4 W	1800 Lm	4500K Pure White	IP67	-25°C/+60°C	No.4
LED-G2000-12MD	Borosilicate Glass	2m	24V DC	30,7 W	3600 Lm	4500K Pure White	IP67	-25°C / +60°C	No.6



Code	Material	Lighting Length	Rated Voltage	Rated Power	Luminous flux	Lighting colour	Protection class IP	Temperature range °C	No. of FIXING CLIPS
LED-12FD-G0250-12MD	Borosilicate Glass	0.25m	24V DC	3,9 W	450 Lm	4500K Pure White	IP67	-25°C / +60°C	No.2
LED-12FD-G0500-12MD	Borosilicate Glass	0.5m	24V DC	7,7 W	900 Lm	4500K Pure White	IP67	-25°C/+60°C	No.3
LED-12FD-G1000-12MD	Borosilicate Glass	1m	24V DC	15,4 W	1800 Lm	4500K Pure White	IP67	-25°C/+60°C	No.4
LED-12FD-G2000-12MD	Borosilicate Glass	2m	24V DC	30,7 W	3600 Lm	4500K Pure White	IP67	-25°C/+60°C	No.6



• LED LIGHT TUBE WITH CABLE:



Code	Material	Lighting Length	Rated Voltage	Rated Power	Luminous flux	Lighting colour	Temperature range °C	No. of FIXING CLIPS	Cable type	Cable length
LED-C0250-A12Z	Polycarbonate	0.25m	24V DC	3,9 W	450 Lm	4500K Pure White	-25°C/+60°C	No.2	PVC IEC332-1 H05VVF BLACK	2m
LED-C0500-A12Z	Polycarbonate	0.5m	24V DC	7,7 W	900 Lm	4500K Pure White	-25°C/+60°C	No.3	PVC IEC332-1 H05VVF BLACK	2m
LED-C1000-A12Z	Polycarbonate	1m	24V DC	15,4 W	1800 Lm	4500K Pure White	-25°C/+60°C	No.4	PVC IEC332-1 H05VVF BLACK	2m
LED-C2000-A12Z	Polycarbonate	2m	24V DC	15,4 W	1800 Lm	4500K Pure White	-25°C/+60°C	No.6	PVC IEC332-1 H05VVF BLACK	2m



Code	Material	Lighting Length	Rated Voltage	Rated Power	Lighting colour	Temperature range °C	No. of FIXING CLIPS	Cable type	Cable length
LED-C0250-A12Z-230V	Polycarbonate	0.25m	230V AC	5 W	4500K Pure White	-25°C/+60°C	No.2	PVC IEC332-1 H05VVF BLACK	2m
LED-C0500-A12Z-230V	Polycarbonate	0.5m	230V AC	8 W	4500K Pure White	-25°C/+60°C	No.2	PVC IEC332-1 H05VVF BLACK	2m
LED-C1000-A12Z-230V	Polycarbonate	1m	230V AC	16 W	4500K Pure White	-25°C/+60°C	No.2	PVC IEC332-1 H05VVF BLACK	2m

TUBULAR LAMPS NOTE:

1. For the 24V DC LED lights it is possible to supply tubular lamps with different lengths required by the customer; our tubular lamps are composed of 6 LED segments L ~80mm, therefore you can add or remove 6 LED segments.

2. For the 230V AC LED lamps it is possibile to provide only tubular lamps with standard dimensions 250/500/1000mm

3. Upon request the LED Lights can be supplied with different types of cable and different cable lengths.

For any further information please contact us.



• GENERAL FEATURES OF INDUSTRIAL CIRCULAR LIGHTING:

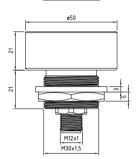
Lighting material : PC Windows. Alluminium housing.

Fixing system : M30x1.5 Fixing nut.

Type of terminations : M12 Male plug.

Max. screw torque IEC60947-1 M12 coupling nut torque 0.4 N*m

LED-50-12MD



LED-64-12MD

ø64

M12x1

M12 material : Coupling nut: Brass+Nickel plated. Internal core: PA66.

Contacts: Brass + Gold flash. **Protection class :** IP 67.

Storage temperature : -40°C +70°C -20°C +50°C HUMIDITY 90% Rated current: 12/18 V : 0.208A 24 V : 0.104A 30/36 V : 0.83A

Operating voltage: ø 50mm : 18-30 V DC ø 64mm : 18-30 V DC

Rated Power: ø 50mm : 2.5 W ø 64mm : 4.2 W Light colour: 6000K Cool White.

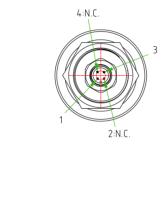
Lumens(25°C): ø 50mm : 200Lm ø 64mm : 330Lm

Life Time: After 50000 hour light decay less then 30%.

Packaging: 1piece / box.

IP

67



4:N.C

LED-50-12MD



LED-64-12MD

Code	Description	Cable length	PACKAGING
LED-PS-EU-12FD	Feeder EUROPEAN connection + M12 female connector	1.8m	1piece / box
LED-PS-USA-12FD	Feeder AMERICAN connection + M12 female connector	1.8m	1piece / box
LED-PS-UL-12FD	Feeder (ULappronly feeder)with INTERCHANGEABLE connection (EU,UK,USA/JP,CN/AU) + M12 female connector	1.7m	1piece / box

_____M15x1,5

33

10,5

• ACCESSORIES:



2,5



Notes:

10(03.		



SENSORS (MAGNETIC PROXIMITY SWITCHES)



SENSORS (MAGNETIC PROXIMITY SWITCHES)

Sensor choicing The sensor is a switch indeed, connect in series with a load,

In presence of vibration it can give troubles. If several sensors must be connected in series,

it is recommended to utilize the version "D" to avoid the voltage drop due to the led indicators.

REED SWITCH: an electrical contact is switched by a magnetic field.

ELECTRONIC: a chip magneto resistor (GMR) is a solid-state device,

therefore static (long life) with a voltage output NPN (sink) or PNP (source).

It must be supplied only with a 30Vdc max voltage. No problem in case of vibrations.

General features and codification scheme

GENERAL FEATURES:

The magnetic sensor is a device that change its status with the magnetic field.

Basically it'fs used as proximity end-stroke on the pneumatic

cylinders which have the piston holding a magnet.

Therefore, fastening the sensor, on its seat on the external part of the cylinder housing, it is possible to get the information relative to the position of the piston, by an electrical contact or a voltage output, depending on the kind sensor which can be REED switch or static (GMR magneto resistive chip) respectively.

The sensor cabled or quick connect are available.

Our custom service is accessible round-the-clock to meet specific requirements for which standard products are not satisfactory.

PROTECTION CIRCUIT FOR SWITCHES:

The switching of inductive loads made by REED produces an high voltage peak during the drop-out. In order to prevent dielectric discharges or voltaic arcs, you have to introduce a protection circuit.

It can be:

- a RC circuit in parallel to the switch in case of

V dc supply - (Picture n.1) -

- a diode in parallel to the load in case of V dc

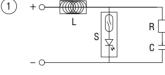
supply - (Picture n.2) -

- n.2 Zener diodes in parallel to the load with

V ac / dc supply - (Picture n.3) -

- a varistor (VDR) in parallel to the load with V ac / dc supply - (Picture n.4) -

The switching of capacitive loads or the use of cables longer than 10 meters produces current peaks during the connection. For this reason you have to introduce a protection resistance near the switch on the brown wire. Please, pay attention in granting the minimum necessary current to the switch. ($10 \div 20$ mA)

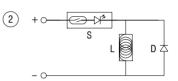


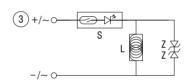
SENSOR CHOICING:

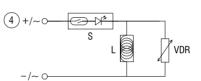
The functioning principles are two.

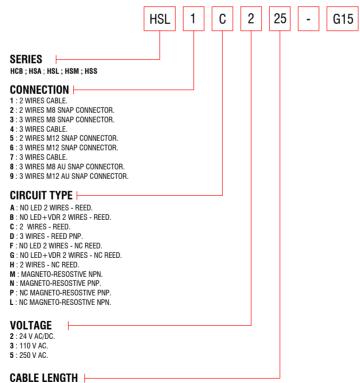
it must be used respecting its own electrical limit

It can be supplied with both Vac and Vdc voltage.









NO DIGIT : WITHOUT CABLE.

03: EXTENSION WITH SENSOR + M8 L=0.3m.

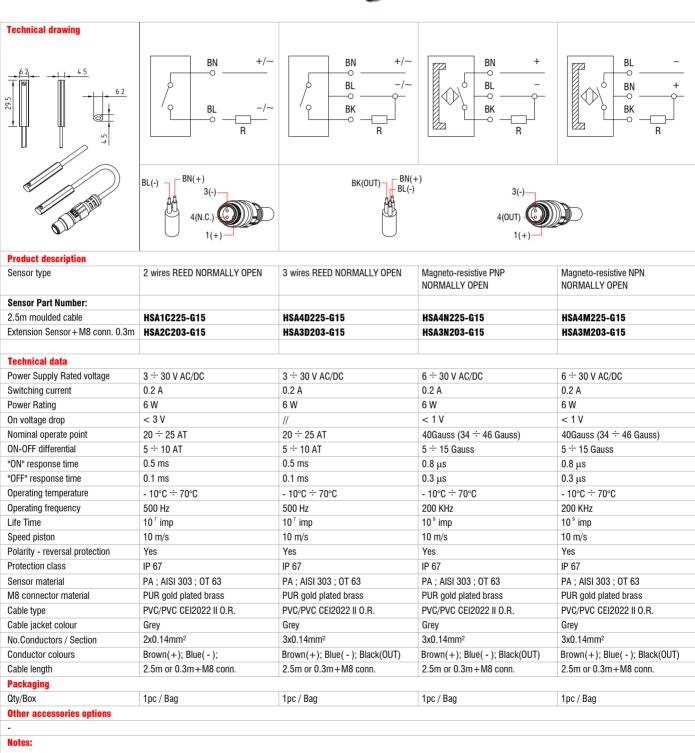
25: SENSOR + M8/M12 CONNECTOR WITH CABLE L=2.5m.

SENSORS (MAGNETIC PROXIMITY SWITCHES)

HSA Series





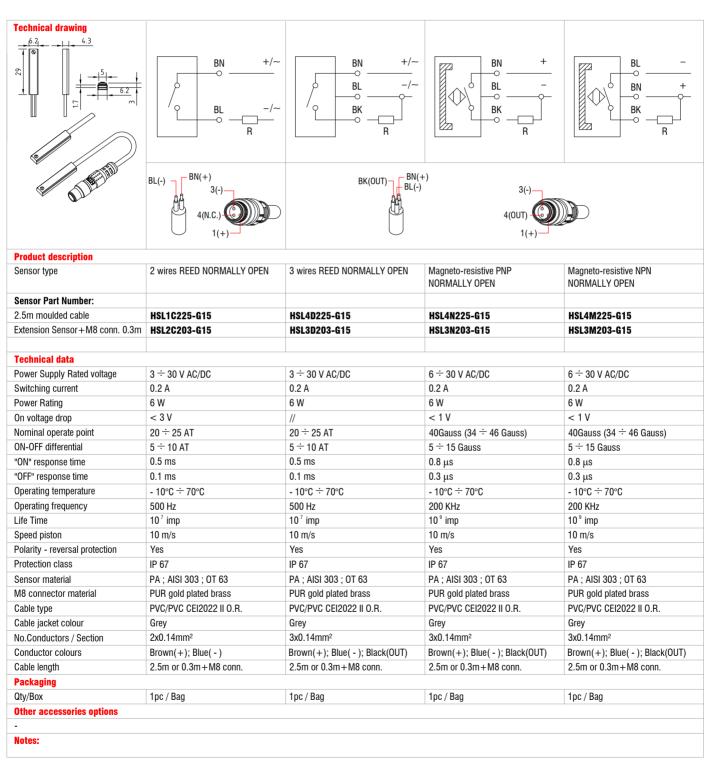




SENSORS (MAGNETIC PROXIMITY SWITCHES)

HSL Series

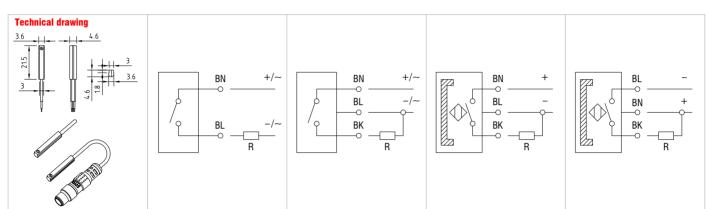




HSS Series







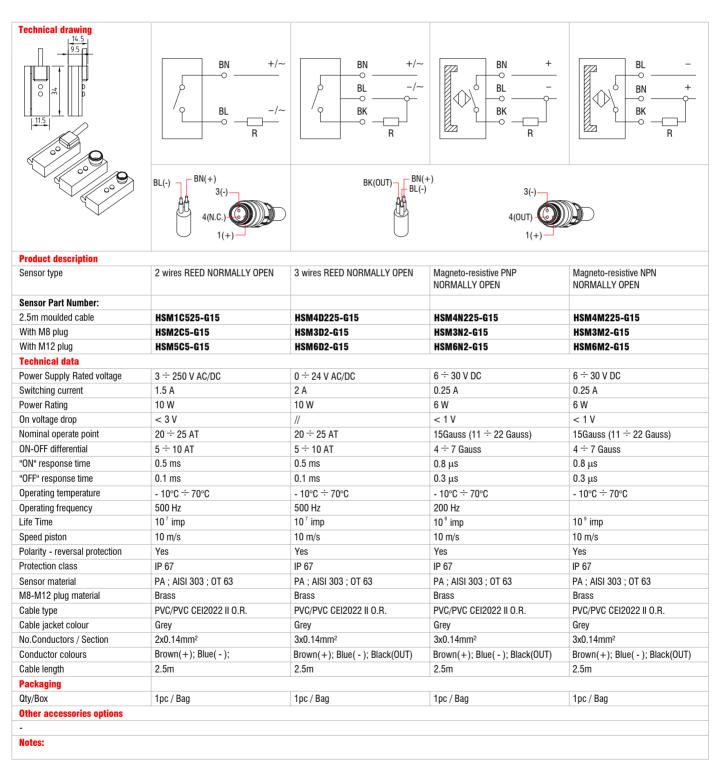
Product description

Sensor type	2 wires REED NORMALLY OPEN	3 wires REED NORMALLY OPEN	Magneto-resistive PNP NORMALLY OPEN	Magneto-resistive NPN NORMALLY OPEN
Sensor Part Number:				
2.5m moulded cable	HSS1C225-G15	HSS4D225-G15	HSS4N225-G15	HSS4M225-G15
Extension Sensor+M8 conn. 0.3m	HSS2C203-G15	HSS3D203-G15	HSS3N203-G15	HSS3M203-G15
Technical data				
Power Supply Rated voltage	$3 \div 30 \text{ V AC/DC}$	$3 \div 30 \text{ V AC/DC}$	$6 \div 30 \text{ V AC/DC}$	6 ÷ 30 V AC/DC
Switching current	0.2 A	0.2 A	0.2 A	0.2 A
Power Rating	6 W	6 W	6 W	6 W
On voltage drop	< 3 V	//	< 1 V	< 1 V
Nominal operate point	20 ÷ 25 AT	20 ÷ 25 AT	28Gauss (21 ÷ 35 Gauss)	28Gauss (21 ÷ 35 Gauss)
ON-OFF differential	5 ÷ 10 AT	5 ÷ 10 AT	$5 \div 15$ Gauss	$5 \div 15$ Gauss
"ON" response time	0.5 ms	0.5 ms	0.8 μs	0.8 μs
"OFF" response time	0.1 ms	0.1 ms	0.3 μs	0.3 μs
Operating temperature	- 10°C ÷ 70°C	- 10°C ÷ 70°C	- 10°C ÷ 70°C	- 10°C ÷ 70°C
Operating frequency	500 Hz	500 Hz	200 KHz	200 KHz
Life Time	10 ⁷ imp	10 ⁷ imp	10° imp	10 ⁹ imp
Speed piston	10 m/s	10 m/s	10 m/s	10 m/s
Polarity - reversal protection	Yes	Yes	Yes	Yes
Protection class	IP 67	IP 67	IP 67	IP 67
Sensor material	PA ; AISI 303 ; OT 63	PA ; AISI 303 ; OT 63	PA ; AISI 303 ; OT 63	PA ; AISI 303 ; OT 63
M8 connector material	PUR gold plated brass	PUR gold plated brass	PUR gold plated brass	PUR gold plated brass
Cable type	PVC/PVC CEI2022 II O.R.	PVC/PVC CEI2022 II O.R.	PVC/PVC CEI2022 II 0.R.	PVC/PVC CEI2022 II O.R.
Cable jacket colour	Grey	Grey	Grey	Grey
No.Conductors / Section	2x0.14mm ²	3x0.14mm ²	3x0.14mm ²	3x0.14mm ²
Conductor colours	Brown(+); Blue(-);	Brown(+); Blue(-); Black(OUT)	Brown(+); Blue(-); Black(OUT)	Brown(+); Blue(-); Black(OUT)
Cable length	2.5m or 0.3m+M8 conn.	2.5m or 0.3m+M8 conn.	2.5m or 0.3m+M8 conn.	2.5m or 0.3m+M8 conn.
Packaging				
Qty/Box	1pc / Bag	1pc / Bag	1pc / Bag	1pc / Bag
Other accessories options				
-				



HSM Series





SENSORS (MAGNETIC PROXIMITY SWITCHES) HSM Series

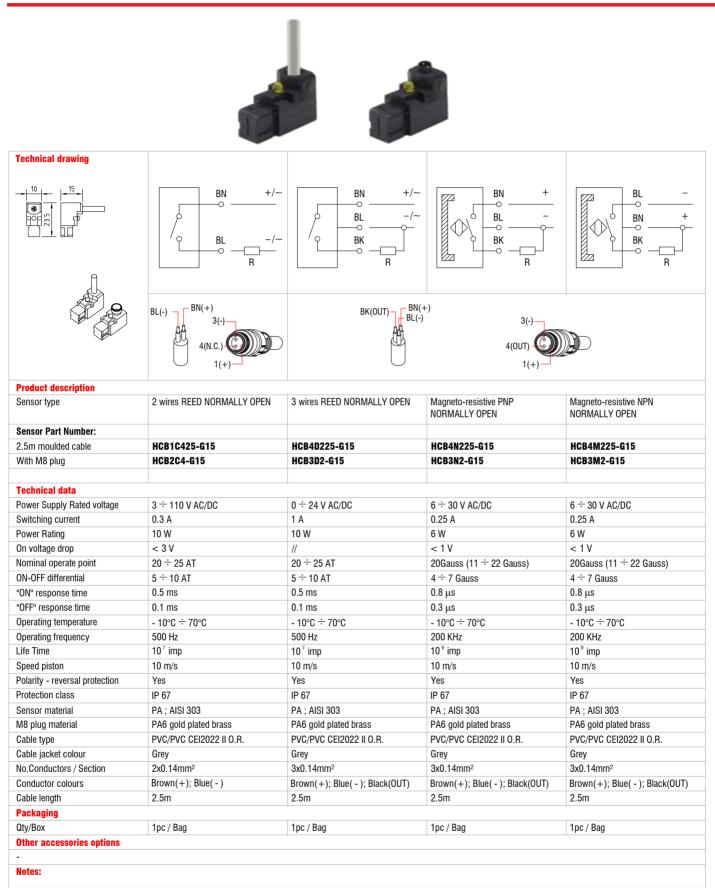




Technical drawing	BN +/~ BL -/~ BK -/~ BK -/~ BK(OUT) BN(+) BL(-)	BN + BL - BL - BK R 3(-) 4(0UT) 1(+)	
Product description Sensor type	3 wires REED NORMALLY OPEN	Magneto-resistive PNP	
Sensor type	3 WIRS REED NORMALLY OPEN	NORMALLY OPEN	
Sensor Part Number:			
2.5m moulded cable	HSM7D225-G15	HSM7N225-G15	
With M8 plug	HSM8D2-G15	HSM8N203-G15	
With M12 plug	HSM9D2-G15	HSM9N203-G15	
Technical data			
Power Supply Rated voltage	3 ÷ 30 V AC/DC	6 ÷ 30 V AC/DC	
Switching current	0.2 A	0.2 A	
Power Rating	6 W	6 W	
On voltage drop	//	< 1 V	
Nominal operate point	20 ÷ 25 AT	40Gauss (34 ÷ 46 Gauss)	
ON-OFF differential	$5 \div 10 \text{ Gauss}$	$5 \div 15$ Gauss	
"ON" response time	- 10 ° ÷ 70°C 0.5 ms	- 10 ° ÷ 70°C	
"OFF" response time	0.5 ms	0.8 μs	
Operating temperature Operating frequency	0.1 ms - 10°C ÷ 70°C	0.3 μs - 10°C ÷ 70°C	
Life Time	- 10°C - 70°C 10 ⁷ imp	- 10°C - 70°C 10° imp	
Speed piston	10 m/s	10 m/s	
Polarity - reversal protection	Yes	Yes	
Protection class	IP 68	IP 68	
Sensor material	PA	PA	
M8-M12 plug material	Brass	Brass	
···	PVC/PVC CEI2022 II O.R.	PVC/PVC CEI2022 II O.R.	
Cable type	,		
Cable type Cable jacket colour	Grey	Grey	
Cable type Cable jacket colour No.Conductors / Section	Grey 3x0.14mm ²	Grey 3x0.14mm ²	
Cable jacket colour	3x0.14mm ²	3x0.14mm ²	
Cable jacket colour No.Conductors / Section			
Cable jacket colour No.Conductors / Section Conductor colours	3x0.14mm ² Brown(+); Blue(-); Black(OUT)	3x0.14mm ² Brown(+); Blue(-); Black(OUT)	
Cable jacket colour No.Conductors / Section Conductor colours Cable length	3x0.14mm ² Brown(+); Blue(-); Black(OUT)	3x0.14mm ² Brown(+); Blue(-); Black(OUT)	
Cable jacket colour No.Conductors / Section Conductor colours Cable length Packaging	3x0.14mm ² Brown(+); Blue(-); Black(OUT)	3x0.14mm ² Brown(+); Blue(-); Black(OUT)	



HCB Series



Cylinder mounting clamps



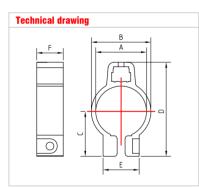
• CYLINDER MOUNTING CLAMPS:

• <u>HXF-G15:</u>



Microcylinder mounting clamps	HXF-09	HXF-11	HXF-12	HXF-13	HXF-14	HXF-16	HXF-17	HXF-18	HXF-20	HXF-21	HXF-22	HXF-24	HXF-26	HXF-27	HXF-29	HXF-30	HXF-33	HXF-36	HXF-41	HXF-45	HXF-52	HXF-65
Ø mm	ø 9.3	ø 11.3	ø 12	ø 13.3	ø 14	ø 16	ø 17.3	ø 18	ø 20	ø 21.3	ø 22	ø 24	ø 26.3	ø 27	ø 29	ø 30	ø 33.6	ø 36	ø 41.6	ø 45	ø 52.4	ø 65.4
Body materials		PA ; AISI 303																				

• <u>HSW-G15:</u>

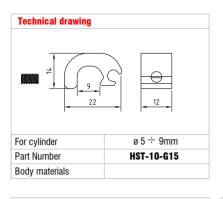


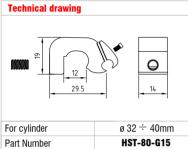
Microcylinder mounting clamps	HSW-08	HSW-10	HSW-12	HSW-16	HSW-20	HSW-25			
For cylinder	ø 8	ø 10	ø 12	ø 16	ø 20	ø 25			
Amm	ø 9.3	ø 11.3	ø 13.3	ø 17.3	ø 21.3	ø 26.5			
B mm	12.3	14.3	16.3	20.3	24.3	29.5			
C mm	11.1	12.2	13.2	15.3	17.4	20			
D mm	23.9	25.9	28	32.1	36.2	41.4			
Emm		12	2.3		1	4			
Fmm	9								
Body materials	PA ; AISI 303								

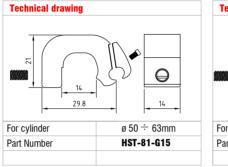


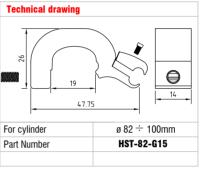
Mounting brackets for cylinder

• MOUNTING BRACKETS FOR CYLINDER:

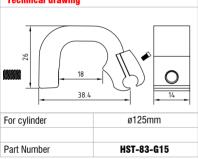








Technical drawing





• HK-CB-G15

Technical drawing	Slot adapters material	Application	Packaging	Suitable sensors
	PA / 6005 A / AISI 303		1PC/bag	НСВ

• HK-SENS-G15

Technical drawing	Slot adapters material	Application	Packaging	Suitable sensors
32	PA		1PC/bag	HSN HSS
	PA		1PC/bag	HSN HSS
	PA		1PC/bag	HSC HSL HSN HSS
	PA		1PC/bag	HSC HSL HSN HSS

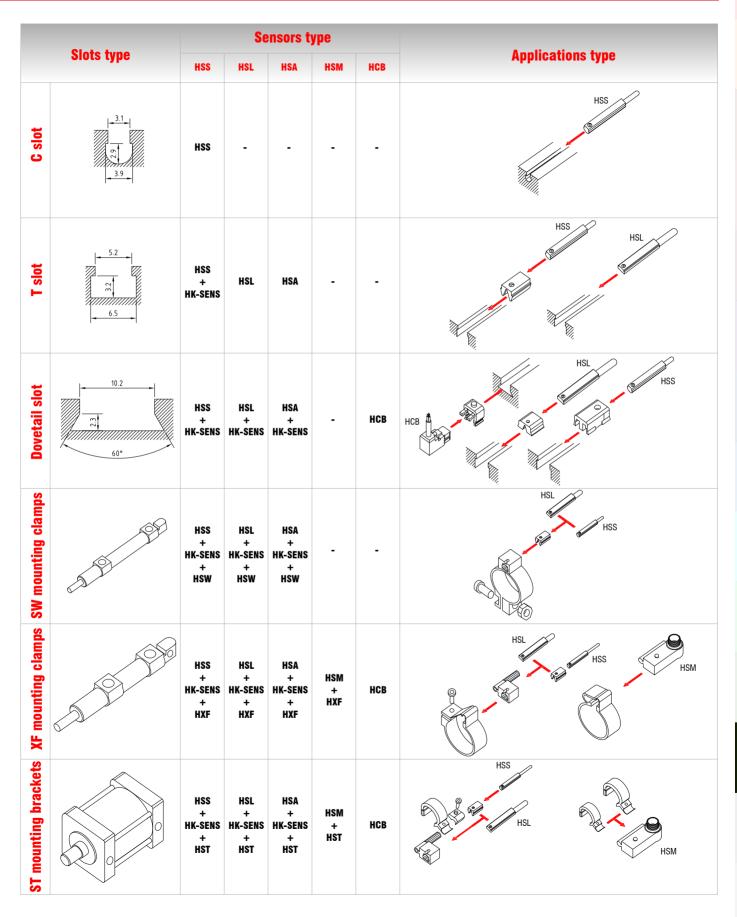


SENSORS (MAGNETIC PROXIMITY SWITCHES) Slot adapters

• <u>HK-SL-G15</u>

Technical drawing	Slot adapters material	Application	Packaging	Suitable sensors
E ⁴ E ⁴	PA		1PC/bag	HSL
21 12 12 12 12 12 12 12 12 12	PA		1PC/bag	HSL
r 17 17 17 17 17 17 17 17 17 17 17 17 17	PA		1PC/bag	HSL
18 18 18 18 19 13 13 13 13 13 13 13	PA		1PC/bag	HSL







Notes:

10100.		



ACCESSORIES



Technical drawing	Gasket type	Part number	Gasket material	Rated temperature range	Colour	Packaging	Suitable connectors	
	Desfiled	100013000	NBR	From -40°C to 90°C	Black	50pcs/bag	G1 G1C	
	Profiled	10001400F	Silicone	From -40°C to 125°C	White	copos, bag	CG1 CGB	
	Integrated	100014001	NBR	From -40°C to 90°C	Black	50pcs/bag	G1 G1C	
	Integrated	10001400M	Silicone	From -40°C to 125°C	White	Johnsy pag	CG1 CGB	
		10001400A	NBR	From -40°C to 90°C	Black	50pcs/bag	G1 G1C CG1	
	Flat	10001400G	Silicone	From -40°C to 125°C	White	Sopes, bag	CGB G4 TIMER-DIG	
	Profiled	300013000	NBR	From -40°C to 90°C	Black	50pcs/bag	M1 CM1	
	Profiled	30001400H	Silicone	From -40°C to 125°C	White	- Johrs/pag	M2 CM2	
F	Integrated	300014001	NBR	From -40°C to 90°C	Black	50pcs/bag	014	
	integrated	30001400J	Silicone	From -40°C to 125°C	White	00900, bag	CM1	
	Integrated	30001400M	NBR	From -40°C to 90°C	Black	50pcs/bag		
	Integrated	30001400K	Silicone	From -40°C to 125°C	White	Jupes/ Dag	CM2	
	First	30001400A	NBR	From -40°C to 90°C	Black	50pcs/bag	M1	
	Flat	30001400G	Silicone	From -40°C to 125°C	White	Jopes/ Dag	CM1	
	Flat	30001400N	NBR	From -40°C to 90°C	Black	50pcs/bag	M2	
	Flat	30001400P	Silicone	From -40°C to 125°C	White	s spoor bag	CM2	
	Durit 1	500013000	NBR	From -40°C to 90°C	Black		P1 CP1	
	Profiled	50001400F	Silicone	From -40°C to 125°C	White	100pcs/bag	P2 CP2	
SFR)	Integrated	500014001	NBR	From -40°C to 90°C	Black	105 5	CP1	
6 N	теуаеи	50001400M	Silicone	From -40°C to 125°C	White	100pcs/bag	CP2	



Technical drawing	Gasket type	Part number	Gasket material	Rated temperature range	Colour	Packaging	Suitable connectors	
	51.1	50001400A	NBR	From -40°C to 90°C	Black		P1 CP1	
	Flat	50001400G	Silicone	From -40°C to 125°C	White	100pcs/bag	P2 CP2	
	Profiled	100013000A	NBR	From -40°C to 90°C	Black	50pcs/bag	BG5	
	Tioned	100013000D	Silicone	From -40°C to 125°C	White	00,000	DGJ	
059	Flat	10001400J	NBR	From -40°C to 90°C	Black	100pcs/bag	BG0 BG8 BG1 BG10 BG2 BG16 BG5 BG33	
80	Hat	10001400K	Silicone	From -40°C to 125°C	White	- 100p03/bag		
000	Flat	10001400H	NBR	From -40°C to 90°C	Black	100pcs/bag	BGO	
0	Hat	10001400N	Silicone	From -40°C to 125°C	White		BG4	
	Flat	30001400E	NBR	From -40°C to 90°C	Black	140pcs/bag	BM1	
	Flat	30001400F	Silicone	From -40°C to 125°C	White		דאים	
OF C	Flat	50001400J	NBR	From -40°C to 90°C	Black	100pcs/bag	DD4	
5.0	i lat	50001400K	Silicone	From -40°C to 125°C	White	100000 049	BP1	
OF G	Flat	50001400E	NBR	From -40°C to 90°C	Black	100pcs/bag	200	
6		50001400H	Silicone	From -40°C to 125°C	White	100900,849	BP2	



Technical drawing	Thread type	Length	Part number	Screw material	Packaging	Suitable connectors
Ŧ	M0-0 5	42mm	10001500F	Iron + Zinc plated	50pcs/bag	04
	M3x0.5	4211111	10001500F-SS	Iron AISI 304	00p00, bug	G4
Ŧ			10001500R	Iron + Zinc plated	50pcs/bag	
	M3x0.5	35mm	10001500R-SS	Iron AISI 304	Johns/pag	CG5
			10001500V	Iron + Zinc plated	50pcs/bag	
	M3x0.5	35.4mm	10001500V-SS	Iron AISI 304	Johrs/pag	G1C
		00.5	100015000	Iron + Zinc plated	50pcs/bag	G1
	M3x0.5	32.5mm	100015000-SS	Iron AISI 304		M1 M2
Ŧ		28mm	50001500A	Iron + Zinc plated	100pcs/bag	P1
	M2.5x0.5	201111	50001500A-SS	Iron AISI 304	100pc3/bag	P1
Ŧ		22.00	70001500B	Iron + Zinc plated	100pcs/bag	
	M3x0.5	28mm	70001500B-SS	Iron AISI 304	100pc3/bag	P2
Ŧ		00	70001500C	Iron + Zinc plated	50pcs/bag	01115
	M3x0.5	26mm	70001500C-SS	Iron AISI 304	00000000000	CM1B
Ŧ	M0.05	0Emm	10001500P	Iron + Zinc plated	50pcs/bag	CG1 G1 Adaptor
	M3x0.5	25mm	10001500P-SS	Iron AISI 304	- copoor bag	CM1 M1 Adaptor CM2
Ŧ	M2-0 5	20 Fmm	70001500P	Iron + Zinc plated	50pcs/bag	CGB CP2
	M3x0.5	22.5mm	70001500P-SS	Iron AISI 304	oopoo, bug	P2 Adaptor
Ŧ	M0 5-0 5		50001500P	Iron + Zinc plated	50pcs/bag	CP1
	M2.5x0.5	22.5mm	50001500P-SS	Iron AISI 304	σομοσιμαθ	P1 Adaptor



Technical drawing	Thread type	Length	Part number	Screw material	Packaging	Suitable connectors	
F	ext.: M4x0.5	15.5mm	30020500	Iron + Zinc plated	120pcs/bag	BG8 BG10	
	int.: M3x0.5	13.51111	30020500-88	Iron AISI 304	- 120µ03/bag	BG16 BM1	
T-T	ext.: M4x0.5	14mm	30020500A	Iron + Zinc plated	120pcs/bag	BG33	
	int.: M3x0.5	1411111	30020500A-SS	Iron AISI 304	- 120µ03/Dag	BG42	
-	M3x0.5	10mm	100210001	Iron + Zinc plated	200pcs/bag	BG1	
	W3X0.5	Tomm	100210001-SS	Iron AISI 304		BG5	
F	M3x0.5	8mm	700210001	Iron + Zinc plated	100pcs/bag	550	
	1000.0		700210001-SS	Iron AISI 304	100000/bug	BP2	
F	M2.5x0.5	8mm	8mm	500210001	Iron + Zinc plated	100pcs/bag	554
	WIZ.0X0.0		500210001-SS	Iron AISI 304	roopos, bug	BP1	
F	M3x0.5	7.3mm	100210003	Iron + Zinc plated	100pcs/bag	BGO	
	1010X0.0	7.000	100210003-SS	Iron AISI 304	roopos, bug	BG4	
Ŧ	M3x0.5	5mm	300210004*	Iron + Zinc plated	120pcs/bag	BM1	
	Wisku.5	SHIII	300210004-SS*	Iron AISI 304	1 20 000 bug	UNI	
	M3x0.5	4.8mm	100210002*	210002* Iron + Zinc plated 100pcs/bag		BG1 BG16 BG5 BG33	
	110,0.0		100210002-SS*	Iron AISI 304		BG8 BG33 BG10 BG42	

* Screws for P.E.(EARTH) pins.

NOTES:

• All screws for DIN connectors are provided with different O-rings depending on the products where them are used.

• All O-rings are made in NBR - In case of other O-rings material is requested please contact us to verifiy the feaisibility.

• All Gaskets can't be sold alone, they must be ordered with the connectors or bases corresponding.

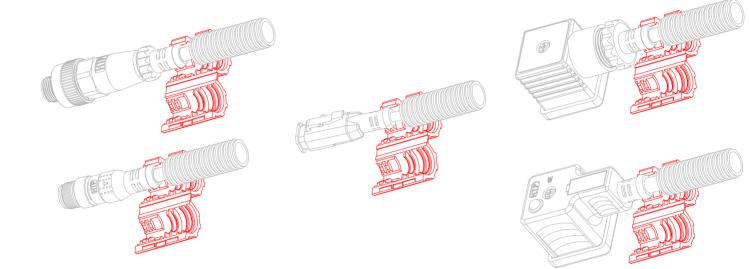
• All Screws can't be sold alone, they must be ordered with the connectors or bases corresponding.



Technical drawing	Cap type	Part number	Gasket materials	Colour	Packaging	Suitable connectors
	Male suitable for Female connector	CAPS-12-M-P	PA66	Black	50pcs/bag	M12 Female connectors M12 boxes
\bigcirc	Female SNAP-IN suitable for Male connector	CAPS-12-F-P	PA66	Transparent	50pcs/bag	M12 Male connectors
	Male suitable for Fernale connector	CAPS-12-M-M	Brass+Nickel plated	Metal	50pcs/bag	M12 Female connectors M12 boxes
	Female suitable for Male connector	CAPS-12-F-M	Brass+Nickel plated	Metal	50pcs/bag	M12 Male connectors
	Male suitable for Female connector	CAPS-08-M-P	PA66	Black	50pcs/bag	M8 Female connectors M8 boxes
\bigcirc	Female SNAP-IN suitable for Male connector	CAPS-08-F-P	PA66	Transparent	50pcs/bag	M8 Male connectors
	Male suitable for Female connector	CAPS-08-M-M	Brass+Nickel plated	Metal	50pcs/bag	M8 Female connectors M8 boxes
	Female suitable for Male connector	CAPS-08-F-M	Brass+Nickel plated	Metal	50pcs/bag	M8 Male connectors
\bigcirc	Female	CAPS BG	PE	White	50pcs/bag	BG bases

Clip and adapters for corrugated conduit

Technical drawing	Irawing Int. conduits Ext. con diameter diame		Part number	Conduits clip material	Packaging	Suitable connectors
	ø6.2mm and ø9.6mm	ø10mm and ø13mm	ACC1	PA66	50pcs/bag	Din connectors Field attachable* Din connectors with moulded cable Circular M12 connectors Field attachable* Circular M12 connectors with moulded cable Automotive connectors with moulded cable



Technical drawing	Gland thread type	Length	Part number	Cable gland	Gland material	Gland colour	Packaging	Suitable connectors
	PG11	29.4mm	ACSC-PG11	6.5-7mm	PA66	Black	50pcs/bag	G1 G1C 12MU G4 12FU 12ML 12FL
	PG9	29mm	ACSC-PG9	4-7mm	PA66	Black	50pcs/bag	M1 M2
	PG7	29mm	ACSC-PG7	3.5-6mm	PA66	Black	50pcs/bag	P1 P2 12FZ 12FC 12MZ 12MC 12FT 12FB 12MT 12MB

* To connect the conduits clip, all field attachable connectors must have the gland with the exit cable.



00)	Round seal with 2 open holes ø5.5mm	1001000C	PVC	Black	50pcs/bag	PG11	G1 G1C G4 12ML 12FL 12FU 12FU
00	Round seal with 2 open holes ø2mm	10010000C-2H	PVC PA66	Black	50pcs/bag	PG11	G1 G1C G4 12ML 12FL 12MU 12FU
	Round seal with 4 closed holes+plastic washer easy to break with conductors	10010000F	NBR	Black	50pcs/bag	PG11	G1 G1C G4 12ML 12FL 12MU 12FU
Ø	Seal reduction with 1 closed holes easy to break with conductors	10010000A-SI	PVC	Black	50pcs/bag	PG11	G1 G1C G4 12ML 12FL 12MU 12FU
	Seal reduction with 1 closed holes easy to break with conductors	10010000D	PVC	Black	50pcs/bag	PG7	P1 P2 P3
\bigcirc	Metal Washer	10010000E	Iron	-	50pcs/bag	PG11	G1 G1C G4 12ML 12FL 12MU 12FU

Technical drawing	Technical scheme	Product type	Part number	LED Colour	Packaging	Suitable poles numbers	Suitable connectors
<u>ي</u>	Blue (-) O	Bipolar led + resistance with n°2 wires	ELBO 01	Red	50pcs/bag	2 poles connected	G1 G1C M1 12FT M2 12MT 12MZ 12FZ
- E	Blue (-) O Green A Yellow Brown (+) O Black (+) O	Bicolour led + resistances	ELBO 02	n°1 Yellow n°2 Green	50pcs/bag	3 poles connected	G1 G1C 12MZ 12FZ 12MT 12FT



Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C	Form A	Form A - B	Form C
01	PVC/PVC	IEC332-1 H03VVF	Black	0.50mm ²	3	ø5mm	-20°C / +80°C		•	٠
A1	PVC/PVC	IEC332-1 H03VVF	Black	0.50mm ²	2	ø5mm	-20°C / +80°C		•	٠
B1	PVC/PVC	IEC332-1 H03VVF	Black	0.50mm ²	4	ø6mm	-20°C / +80°C		•	٠
02	PVC/PVC	IEC332-1 H05VVF	Black	0.75mm ²	3	ø6.7mm	-20°C / +80°C		•	
A2	PVC/PVC	IEC332-1 H05VVF	Black	0.75mm ²	2	ø6mm	-20°C / +80°C		•	
B2	PVC/PVC	IEC332-1 H05VVF	Black	0.75mm ²	4	ø7mm	-20°C / +80°C		•	
C2	PVC/PVC	IEC332-1 H05VVF	Black	0.75mm ²	5	ø8.3mm	-20°C / +80°C		•	
03	PVC/PVC	CEI2022 II F.R.O.R.	Grey RAL7032	0.75mm ²	3	ø5.5mm	-20°C / +80°C		•	
A3	PVC/PVC	CEI2022 II F.R.O.R.	Grey RAL7032	0.75mm ²	2	ø6mm	-20°C / +80°C		•	
04	PVC/PVC	CEI2022 II F.R.O.R.	Grey RAL7032	0.50mm ²	3	ø5mm	-20°C / +80°C		•	٠
A 4	PVC/PVC	CEI2022 II F.R.O.R.	Grey RAL7032	0.50mm ²	2	ø5mm	-20°C / +80°C		•	٠
B 4	PVC/PVC	CEI2022 II F.R.O.R.	Grey RAL7032	0.50mm ²	4	ø6mm	-20°C / +80°C		•	٠
05	PVC/PVC	CEI2022 II F.R.O.R.	Grey RAL7032	0.75mm ²	4	ø7mm	-20°C / +80°C		•	
C5	PVC/PVC	CEI2022 II F.R.O.R.	Grey RAL7032	0.75mm ²	5	ø8.3mm	-20°C / +80°C		•	
06	PVC/PVC	CEI2022 II F.R.O.R.	Grey RAL7032	1mm ²	3	ø6.7mm	-20°C / +80°C		•	
A6*	PVC/PVC	CEI2022 II F.R.O.R.	Grey RAL7032	1mm ²	2	ø6.5mm	-20°C / +80°C		•	
B6*	PVC/PVC	CEI2022 II F.R.O.R.	Grey RAL7032	1mm ²	4	ø7.2mm	-20°C / +80°C		•	
07*	PVC/PVC	CEI2022 II F.R.O.R. SHIELDED	Grey RAL7032	1mm ²	3	ø7.2mm	-20°C / +80°C		•	
A7*	PVC/PVC	CEI2022 II F.R.O.R. SHIELDED	Grey RAL7032	1mm ²	2	ø6.7mm	-20°C / +80°C		•	
B7*	PVC/PVC	CEI2022 II F.R.O.R. SHIELDED	Grey RAL7032	1mm ²	4	ø8.3mm	-20°C / +80°C		•	
08*	PUR/PVC		Black	0.50mm ²	3	ø5mm	-40°C / +80°C		•	•
A8*	PUR/PVC		Black	0.50mm ²	2	ø5mm	-40°C / +80°C		•	•
B8*	PUR/PVC		Black	0.50mm ²	4	ø6mm	-40°C / +80°C		•	٠
C8*	PUR/PVC		Black	0.50mm ²	5	ø6.5mm	-40°C / +80°C		•	
09*	PUR/PVC		Black	0.75mm ²	3	ø6mm	-40°C / +80°C		•	
A9	PUR/PVC		Black	0.75mm ²	2	ø5.2mm	-40°C / +80°C		•	
B9*	PUR/PVC		Black	0.75mm ²	4	ø7.2mm	-40°C / +80°C		•	
10*	PUR/PUR	Li-YY11Y	Black	0.50mm ²	3	ø5mm	-40°C / +80°C		•	•
AA*	PUR/PUR	Li-YY11Y	Black	0.50mm ²	2	ø5mm	-40°C / +80°C		•	•
AB*	PUR/PUR	Li-YY11Y	Black	0.50mm ²	4	ø6.7mm	-40°C / +80°C		•	•
11*	PUR/PUR	Li-YY11Y	Black	0.75mm ²	3	ø6mm	-40°C / +80°C		•	
BA*	PUR/PUR	Li-YY11Y	Black	0.75mm ²	2	ø6.5mm	-40°C / +80°C		•	
BB*	PUR/PUR	Li-YY11Y	Black	0.75mm ²	4	ø7mm	-40°C / +80°C			
13*	PVC/PVC	IEC332-1 H05VVF	Black	1mm ²	2	ø6mm	-20°C / +80°C			
14 *	PVC/PVC	CEI2022 II F.R.O.R.	Black	1mm ²	3	ø6.7mm	-20°C / +80°C			
16	PVC/PVC	c RLI us UL style 21179	Black	18 AWG	3	ø5.8mm	-20°C / +105°C	•		
18	PVC/PVC	c RLu s UL style 21179	Black	18 AWG	4	ø6.5mm	-20°C / +105°C		•	

 \star = Cables with minimum quantity required.



Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C	M8	M12	M9	M8 c () us	M12 c () us
					3 *	ø2.6mm	-20°C / +80°C	•	•			
К	PVC/PVC	CEI2022	Black	0.14mm ²	6	ø4.9mm	-20°C / +80°C	•				
n	r v0/r v0	OLIZOZZ	DIACK	0.1411111-	8	ø4.9mm	-20°C / +80°C	•				
					12	ø6.5mm	-20°C / +80°C		•			
					2 *	ø3.5mm	-20°C / +80°C	•	•			
					3	ø 4mm	-20°C / +80°C	•	٠			
A	PVC/PVC	CEI2022	Black	0.25mm ²	4	ø 4.4mm	-20°C / +80°C	٠	•			
					5	ø 4.7mm	-20°C / +80°C		٠			
					8	ø 6mm	-20°C / +80°C		•			
					2 *	n.a.	-20°C / +105°C	•	•			
					3	n.a.	-20°C / +105°C	•	•		•	•
S	PVC/PVC	C PLI us ULstyle21179	Black	AWG24	4	ø 4.3mm	-20°C / +105°C	•	•		•	•
				(0.25mm ²)	5	ø 5mm	-20°C / +105°C	•	•			
					8	n.a.	-20°C / +105°C	•	•			
					2 *	ø 4.8mm	-20°C / +80°C	•	•			
					3 *	ø 4.8mm	-20°C / +80°C	•	•			
В	PVC/PVC	CEI2022	Black (0.34mm ²	4	ø 5.2mm	-20°C / +80°C	•	•			
					5 *	ø 5.5mm	-20°C / +80°C		•			
					8	ø 6.5mm	-20°C / +80°C		•			
					2 *	n.a.	-20°C / +105°C	•	•			
					3 *	ø4.8mm	-20°C / +105°C	•	•		•	•
I	PVC/PVC	c Sus ULstyle 21179	Black	AWG 22 (0.34mm ²)	4 *	ø5.2mm	-20°C / +105°C	•	•		•	•
					5 *	ø5.8mm	-20°C / +105°C		•	٠		•
					8 *	ø6.5mm	-20°C / +105°C		•			•
					2	ø3.5mm	-20°C / +80°C	•	•			
					3	ø 4mm	-20°C / +80°C	•	•			
N	PVC/PVC	CEI2022	Grey RAL7032	0.25mm ²	4	ø 4.4mm	-20°C / +80°C	•	•			
					5 *	ø 4.7mm	-20°C / +80°C		•			
					8 *	ø 6mm	-20°C / +80°C		•			
					2 *	ø 4.8mm	-20°C / +80°C	•	•			
					3	ø 4.8mm	-20°C / +80°C	•	•			
L	PVC/PVC	CEI2022	Grey RAL7032	0.34mm ²	4	ø 5.2mm	-20°C / +80°C	•	٠			
					5	ø 5.5mm	-20°C / +80°C		•			
					8 *	ø 6.5mm	-20°C / +80°C		•			
					3 *	ø2.6mm	-40°C / +80°C	•	•			
					6	ø4.9mm	-40°C / +80°C	•				
н	PUR/PUR		Black	0.14mm ²	8	ø4.9mm	-40°C / +80°C	•				
					12 *	ø6mm	-40°C / +80°C		•			



Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C	M8	M12	M9	M8 c (th) us	M12
					2 *	ø 3.5mm	-40°C / +80°C	•	•			
					3 *	ø 4mm	-40°C / +80°C	•	•			
C	PUR/PUR		Black	0.25mm ²	4 *	ø 4.4mm	-40°C / +80°C	•	٠			
					5 *	ø 4.7mm	-40°C / +80°C		•			
					8 *	ø 6mm	-40°C / +80°C		•			
					3	ø4.1mm	-40°C / +80°C	٠	•		•	
			5 1 1		4	ø4.7mm	-40°C / +80°C	•	•		•	
C-K6-IS	PUR/TP0	Sus ULstyle 21576	Black	24AWG (0.25mm ²)	5	ø5.1mm	-40°C / +80°C		•			
					8	ø6.3mm	-40°C / +80°C		•			•
					2 *	ø 4.8mm	-40°C / +80°C					
					3 *	ø 4.8mm	-40°C / +80°C	•	•			
D	PUR/PUR		Black	0.34mm ²	4 *	ø 5.2mm	-40°C / +80°C		•			
				0.34mm ²	5 *	ø 5.5mm	-40°C / +80°C		•			
					8 *	ø 6.5mm	-40°C / +80°C		•			
					3	ø4.6mm	-40°C / +80°C	٠	•		•	
D-K6-IS	PUR/TPO	CRUS ULstyle 21576	Black	AWG 22 (0.34mm ²)	4	ø4.8mm	-40°C / +80°C	•	•		•	•
				,	5	ø5.3mm	-40°C / +80°C		•			•
					2 *	n.a.	-20°C / +80°C	•	•			
					3 *	n.a.	-20°C / +80°C	•	•			
J	PVC/PVC	CEI2022 SHIELDED	Black	0.25mm ²	4 *	ø4.8mm	-20°C / +80°C	•	•			
					5 *	ø5.2mm	-20°C / +80°C		•	•		
					8 *	ø6.5mm	-20°C / +80°C		•			
					2 *	n.a.	-20°C / +105°C	•	•			
					3 *	n.a.	-20°C / +105°C	•	•			
Р	PVC/PVC	SHIELDED	Black	AWG 24 (0.25mm ²)	4 *	n.a.	-20°C / +105°C	•	•			
					5 *	n.a.	-20°C / +105°C	•	•			
					8 *	n.a.	-20°C / +105°C		•			•
					2 *	n.a.	-20°C / +80°C	•	•			
					3 *	n.a.	-20°C / +80°C	•	•			
F	PVC/PVC	CEI2022 SHIELDED	Black	0.34mm ²	4 *	ø5.5mm	-20°C / +80°C	•	•			
					5 *	ø6mm	-20°C / +80°C		•			
					8 *	n.a.	-20°C / +80°C		•			
					2 *	n.a.	-20°C / +105°C	•	•			
				AWG 22 (0.34mm ²)	3 *	n.a.	-20°C / +105°C	•	•			•
3	PVC/PVC	SHIELDED	Black		4 *	n.a.	-20°C / +105°C	•	•			•
					5 *	n.a.	-20°C / +105°C		•			•
					8 *	n.a.	-20°C / +105°C		•			



Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C	M8	M12	M9	M8 c (b) us	M12 c () us
					2 *	n.a.	-20°C / +80°C	٠	•			
					3 *	n.a.	-20°C / +80°C	•	•			
Q	PVC/PVC	CEI2022 SHIELDED	Grey RAL7032	0.25mm ²	4	ø4.8mm	-20°C / +80°C	٠	•			
					5 *	ø5.2mm	-20°C / +80°C		•	٠		
					8 *	n.a.	-20°C / +80°C		•			
					2 *	n.a.	-20°C / +80°C	•	•			
		_			3 *	n.a.	-20°C / +80°C	٠	•			
R	PVC/PVC	CEI2022 SHIELDED	Grey RAL7032	0.34mm ²	4 *	ø5.5mm	-20°C / +80°C	•	•			
					5 *	ø6mm	-20°C / +80°C		•	٠		
					8 *	n.a.	-20°C / +80°C		•			
					2 *	n.a.	-40°C / +80°C	٠	•			
		_			3 *	ø4.4mm	-40°C / +80°C	٠	•			
U	PUR/PUR	SHIELDED	Black	0.25mm ²	4	ø4.8mm	-40°C / +80°C	•	•			
					5 *	ø5.2mm	-40°C / +80°C		•	٠		
					8	n.a.	-40°C / +80°C		•			
48-K6	PUR/TPO	SHIELDED	Black	AWG 24 (0.25mm ²)	8	ø7mm	-40°C / +80°C		•			•
					2 *	n.a.	-40°C / +80°C	٠	•			
					3 *	ø4.8mm	-40°C / +80°C	٠	•			
G	PUR/PUR	SHIELDED	Black	0.34mm ²	4 *	ø5.5mm	-40°C / +80°C	•	•			
			віаск U.		5 *	ø6mm	-40°C / +80°C		•	•		
					8 *	n.a.	-40°C / +80°C		•			
G-K6-IS	PUR/TPO	SHIELDED	Black	AWG 22 (0.34mm ²)	5	ø5.4mm	-40°C / +80°C		•	•		•

	"PRO	FIBUS" CE ([1x2x0,25]) mm² IEC	60332-1 🕀 ([1x2x24])	AWG					P[Ŗ] B[Ū	0[F] [5]	9 ®
Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C	M8	M12	M9	M8 c () us	M12 c () us
T-4-K6-IS	PUR / Polyolefin	ULstyle 444 SHIELDED	Violet RAL4001 Desina	AWG 24 (0.25mm ²)	1 x 2	ø8.2mm	-30°C / +70°C		•			•
C RL	S AWM STYLE 2	2464 80°C 300V - AWM I/II A/B 80°C 300V FT1 - CONTR	OL DATABUST - Device	net - O.R. FES	T [(2xAWG24)H	(2xAWG22)H]H	2 - CE		De	evic	e Net	
c AL us Code	s AWM STYLE 2 Material	2464 80°C 300V - AWM I/II A/B 80°C 300V FT1 - CONTR Type of cable	IOL DATABUST - Device Colour	net - O.R. FES Section	T ((2xAWG24)H No.core	(2xAWG22)HJH Cable ø mm ±0.3	2 - CE	M8	D 6 M12		M8	M12



LES I	LIST
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		1x4xAWG22 Hos AWM style 215	76 - AWM I/II A/E	8 80°C 1000	V O FT-2 EI	И			PR	OF	NET	
Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C	M8	M12	M9	М8 с (फ़) из	M12
40-4-K6	PUR/ Polyolefin	ULstyle 21576 Still DED PROFINET	Green RAL6018	AWG 22 (0.34mm ²)	4	ø6.7mm	-30°C / +80°C		•			
c RLi us - 4	AWM STYLE	20236 80°C 30V - AWM I/II A/B 80°C 30V FT1 -	ETHERNET CABLE	: CAT.6 - O.R.	. PMXX-ST (4x2xAWG26)	-//H2		ET	HEF	RNE1	Γ
Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C	M8	M12	M9	М8 сФриз	M12
71-8-K6	PUR / Polyolefin	ULstyle 20236 SHIELDED ETHERNET CAT.5E	Green RAL6016	AWG 26 (0.14mm ²)	4 x 2	ø7.2mm	-30°C / +70°C		•			
		1x4xAWG22c RL us AWMINityipi@2916	76 -8 0%2 %10/000A/11	FBC 1000	V 0 FT-2 EI	И			ET	HEF	RNE1	Γ
Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C	M 8	M12	M9	M8 ເ∰ւs	M12 • (फ़)•
66-4-K6	PUR/ Polyolefin	ULstyle 21576 SHIELDED ETHERNET	Green RAL6016	AWG 24 (0.25mm ²)	2+2	ø6mm	-30°C / +80°C		•			•

• CABLE OF M12 POWER CONNECTORS K-CODED / S-CODED :

461,5/4xAWG16 CALS AWM style 20234 - AWM I/II A/B 80°C 1000V FT1												
Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C	M12 K-code	M12 L-code	M12 S-code	M12 S-code	
81-4-K6	PUR / Polyolefin	SHIELDED	Orange RAL2003 Desina	AWG 16 (1.5mm²)	4 *	ø8.6mm	-30°C / +80°C	•		•	•	
	PVC/PVC		Black	1.50mm ²	4 *	ø10mm	-20°C / +80°C	•		•		
46		CEI2022			5 *	ø10mm	-20°C / +80°C	•		•		
70-5	PVC/PVC	CEI2022	Black	1.50mm ²	5 *	ø10.40mm	-20°C / +80°C		•			
0 -	PVC/PVC	05/0000	Black	1.50mm ²	4 *	ø10mm	-20°C / +80°C	•		•		
35		CEI2022			5 *	ø10.40mm	-20°C / +80°C	•		•		
73-5	PVC/PVC	CEI2022	Black	1.50mm ²	5 *	ø10.40mm	-20°C / +80°C		•			
53			Black	1.50mm ²	4 *	ø10mm	-40°C / +80°C	•		•		
00	PUR/PUR				5 *	ø10mm	-40°C / +80°C	•		•		
54	PUR/PUR	SHIELDED	Black	1.50mm ²	4 *	ø10mm	-40°C / +80°C	•		•		
J4	IUN/FUN				5 *	ø10.40mm	-40°C / +80°C	•		•		



• CABLE OF M8 DISTRIBUCTION BOXES :

Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C	BOX SINGLE SIGNAL						
Guae								4 POS.	6 POS.	8 POS.	10 POS.	12 POS.		
V-2+8	PVC /PVC	CEI2022II O.R.	Black	2x0.50mm ² 8x0.25mm ²	2+8	ø9mm	-20°C / +80°C	•	•	•				
V-2+12	PVC /PVC	CEI2022II O.R.	Black	2x0.50mm ² 12x0.25mm ²	2+12	ø10mm	-20°C / +80°C				•	•		
D-2+6-K6	PUR /PUR	CALUS ULstyle 21576	Black	2x20AWG 6x22AWG	2+6	ø7,50mm	-40°C / +80°C	•	•					
D-2+10-K6	PUR /PUR	CNUs ULstyle 21576	Black	2x20AWG 10x22AWG	2+10	ø8,50mm	-40°C / +80°C			•	•			
P-2+8	PUR /PUR		Black	2x0.50mm ² 8x0.25mm ²	2+8	ø9mm	-40°C / +80°C	•	•	•				
P-2+12	PUR /PUR		Black	2x0.50mm ² 12x0.25mm ²	2+12	ø10mm	-40°C / +80°C				•	•		

• CABLE OF M12 DISTRIBUCTION BOXES :

Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C	BOX SINGLE SIGNAL			BOX DOUBLE SIGNAL		
								4 POS.	6 POS.	8 POS.	4 POS.	6 POS.	8 POS.
V-3+8	PVC /PVC	CEI2022II O.R.	Black	3G0.75mm ² 8x0.34mm ²	3+8	ø8.80mm	-20°C / +80°C	•	•	•	•		
V-3+16	PVC /PVC	CEI2022II O.R.	Black	3G0.75mm ² 16x0.34mm ²	3+16	ø10.60mm	-20°C / +80°C					•	•
P-3+8-K6-IS	PUR /TPO	CRUIS ULstyle 20549	Black	3G18AWG 8x22AWG	3+8	ø8.80mm	-40°C / +80°C	•	•	•	•		
P-3+16-K6-IS	PUR /TPO	CRUIS ULstyle 20549	Black	3G18AWG 8x22AWG	3+16	ø10.60mm	-40°C / +80°C					•	•



H.T.P. High Tech Products S.R.L. Via Lesina,45 24030 Brembate di Sopra (Bg) -Italy Phone: + 39.035.692509 Fax: + 39.035.203291 Web site: www.webhtp.eu E-mail: info@webhtp.eu

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