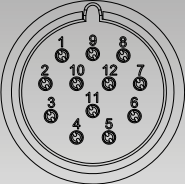
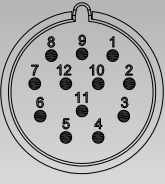
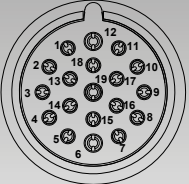
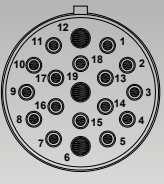




M23 CIRCULAR CONNECTORS

M23 CIRCULAR CONNECTORS

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

FEMALE	MALE	FEMALE	MALE
			
12 POLES 1 : WHITE 2 : GREEN 3 : YELLOW 4 : GREY 5 : GREY/PINK 6 : RED/BLUE 7 : WHITE/GREEN 8 : BROW/GREEN 9-10 : BLUE 11 : BROWN 12 : YELLOW/GREEN		19 POLES 1 : PURPLE 2 : RED 3 : GREY 4 : RED/BLUE 5 : GREEN 6 : BLUE 7 : GREY/PINK 8 : WHITE/GREEN 9 : WHITE/YELLOW 10 : WHITE/GREY 11 : BLACK 12 : YELLOW/GREEN 13 : YELLOW/BROWN 14 : BROWN/GREEN 15 : WHITE 16 : YELLOW 17 : PINK 18 : GREY/BROWN 19 : BROWN	

GENERAL FEATURES OF MOULDED / PANEL MOUNT CONNECTORS:

Conductor cross section :

Power contacts:
0.82mm²(18AWG).

Signal contacts:
0.34mm²(22AWG).

Rated Voltage:

150V AC/DC.

Rated current:

12poles: 8A.

19poles: 10A (power contacts), 8A(signal contacts).

Fixing system :

M23 coupling nut.

Type of terminations :

Solder wires.

Contact material and treatment :

Brass + Gold flash.

Housing material :

Moulded connectors:
Polypropylene.

Panel mount:

Brass + Nickel plated.
Stainless steel AISI304(upon request)

Internal core material :

PA66.

Coupling nut material :

Brass + Nickel plated.
Stainless steel AISI304(upon request).

Protection class :

IP 67.

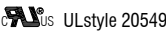
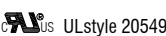
Operating temperature :

-25°C + 90°C.

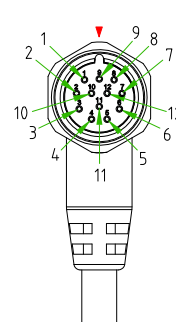
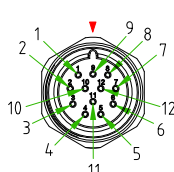
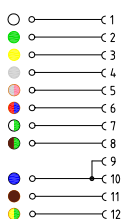
SERIES	23	F	D	12	P	12	-	23	M	D	##
23 : M23 CIRCULAR CONNECTOR											
N-CODED.											
GENDER											
F : FEMALE. M : MALE.											
HOUSING TYPE											
A : ANGLED 90°.											
D : STRAIGHT 180°.											
P : TO PANEL (CONTACTS TO SOLDER).											
S : TO PANEL (CONTACTS FOR PCB.)											
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											
12 : 1m A : +10cm											
22 : 2m B : +20cm											
32 : 3m C : +30cm											
... I : +90cm											
EXTENSION											
SPECIFY OTHER CONNECTOR'S SIDE											
SOME VARIABILITY											
- INOX : M23 COUPLING NUT IN STAINLESS STEEL(AISI304). - Y : WITHOUT H.T.P.LOGO.											

EXAMPLE: "...1C" = 1.3m
"...1F" = 1.6m
"...2A" = 2.1m

M23 CONNECTORS CABLE:

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

Moulded cable connectors

[illegible]

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

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	-	-
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

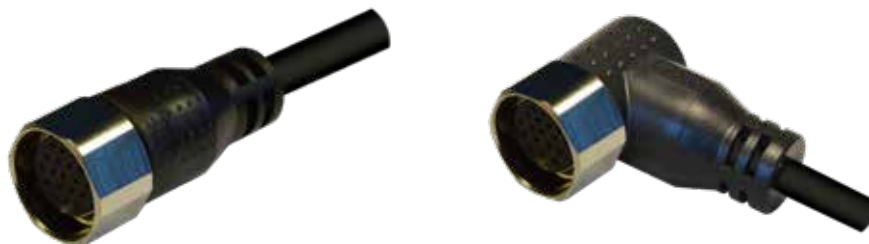
Qty/Bag	1 pc / bag	1 pc / bag
---------	------------	------------

See accessories section

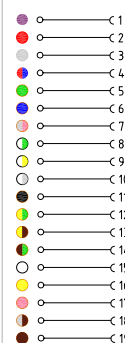
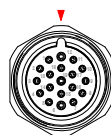
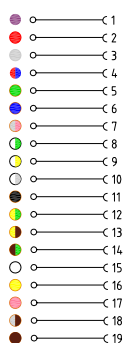
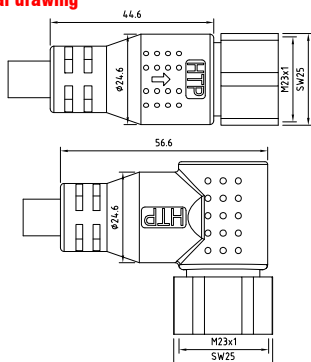
Notes: Connectors available with different features:
See the general features and codification scheme page
See the cables list section

M23 CIRCULAR CONNECTORS

Moulded cable connectors



Technical drawing



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	23FD19P1Z-K6-IS	23FA19P1Z-K6-IS
Housing type	Straight 180°	Angled 90°
Cable gland	Moulded cable	Moulded cable
Contacts type	Female	Female
Number of contacts	19poles	19poles
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	Power contacts: 10A / Signal contacts: 8A	Power contacts: 10A / Signal contacts: 8A
O-ring material	-	-
Cable type	PUR/TPO ULstyle20549	PUR/TPO ULstyle20549
Cable jacket colour	Black	Black
No. 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/Gn;Wh/Ye;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

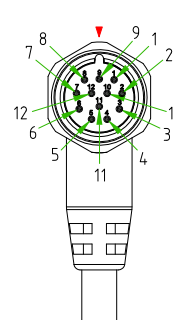
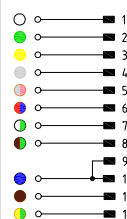
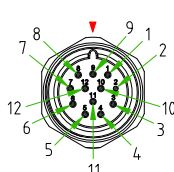
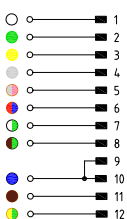
Qty/Bag	1 pc / bag	1 pc / bag
---------	------------	------------

Other accessories options

See accessories section

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

Moulded cable connectors



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

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

Qty/Bag	1 pc / bag	1 pc / bag
---------	------------	------------

See accessories section

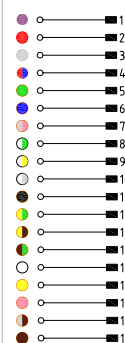
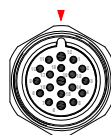
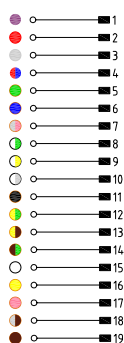
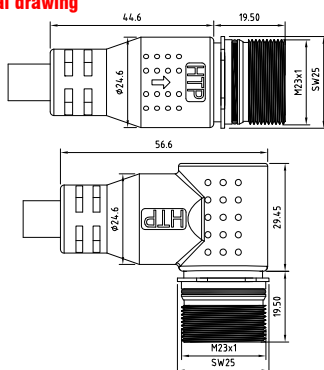
Notes: Connectors available with different features:
See the general features and codification scheme page
See the cables list section

M23 CIRCULAR CONNECTORS

Moulded cable connectors



Technical drawing



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	23MD19P1Z-K6-IS	23MA19P1Z-K6-IS
Housing type	Straight 180°	Angled 90°
Cable gland	Moulded cable	Moulded cable
Contacts type	Male	Male
Number of contacts	19poles	19poles
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	Power contacts: 10A / Signal contacts: 8A	Power contacts: 10A / Signal contacts: 8A
O-ring material	NBR	NBR
Cable type	PUR/TPO ULstyle20549	PUR/TPO ULstyle20549
Cable jacket colour	Black	Black
No. 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/Gn;Wh/Ye;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

Qty/Bag	1 pc / bag	1 pc / bag
---------	------------	------------

Other accessories options

See accessories section

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

M23 CIRCULAR CONNECTORS

Moulded cable connectors



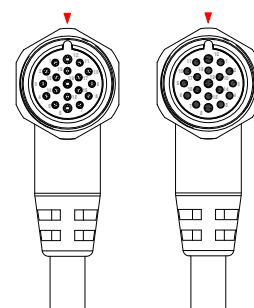
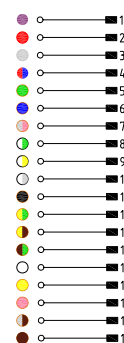
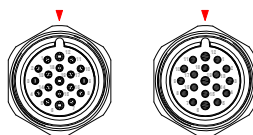
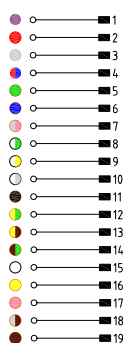
Technical drawing		
1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11 12		
Product description		
Connector type	Circular connectors with moulded cable	Circular connectors with moulded cable
Construction 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		
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		
See accessories section		
Notes: Connectors available with different feautres: See the general features and codification scheme page See the cables list section		

M23 CIRCULAR CONNECTORS

Moulded cable connectors



Technical drawing



Product description

Connector type	Circular connector with moulded cable	Circular connector 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	23FD19P1Z23MD-K6-IS	23FA19P1Z23MA-K6-IS
Housing type	Straight 180°	Angled 90°
Cable gland	Moulded cable	Moulded cable
Contacts type	Female-Male	Female-Male
Number of contacts	19poles	19poles
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	Power contacts: 10A / Signal contacts: 8A	Power contacts: 10A / Signal contacts: 8A
O-ring material	NBR	NBR
Cable type	PUR/TPO ULstyle20549	PUR/TPO ULstyle20549
Cable jacket colour	Black	Black
No. 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/Gn;Wh/Ye; 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

Qty/Bag	1 pc / bag	1 pc / bag
---------	------------	------------

Other accessories options

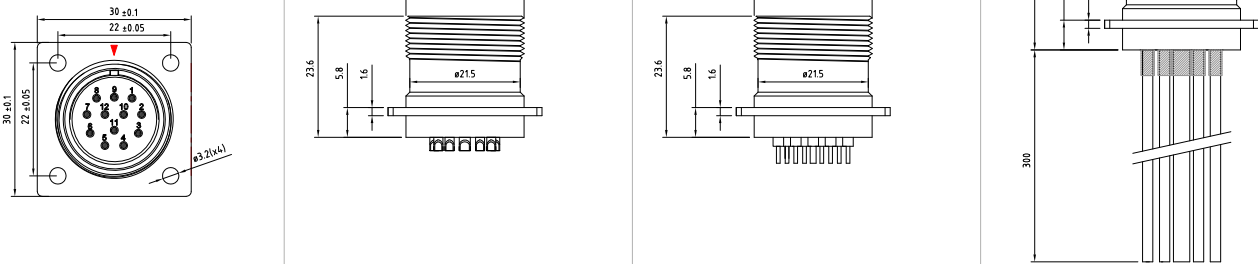
See accessories section

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

M23 CIRCULAR CONNECTORS

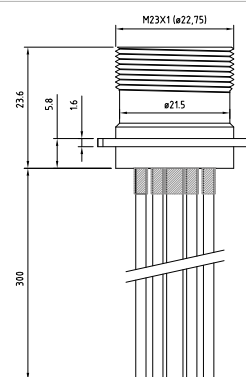
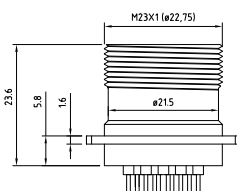
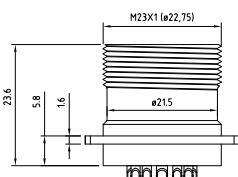
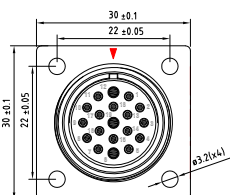
Panel mount connectors



Technical drawing			
			
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			
Qty/Bag	-	-	-
Other accessories options			
See accessories section			
Notes: Connectors available with different feautres: See the general features and codification scheme page See the cables list section			



Technical drawing



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, panel mount, with contacts suitable for solder PCB.	Circular connector M23 series, panel mount, with PVC soldered wires.
Part number	23MP19000-FL	23MS19000-FL	23MP1900C-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	-	-	TPO
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

Qty/Bag	-	-	-
---------	---	---	---

Other accessories options

See accessories section

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