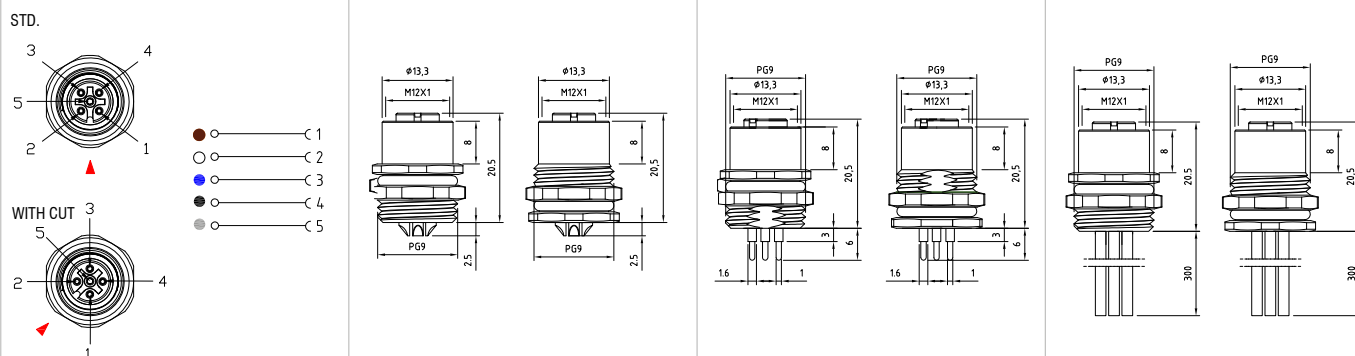




### Technical drawing



### 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, with contacts suitable for solder PCB.		Circular connector M12 series,panel mount, with PVC soldered wires.	
Part number	<b>12FP5000-PG9</b>	<b>12FR5000-PG9</b>	<b>12FQ5000-PG9-CUT</b>	<b>12FS5000-PG9-CUT</b>	<b>12FP5A0C-PG9</b>	<b>12FR5A0C-PG9</b>
Housing type	Frontal panel side	Back panel side	Frontal panel side	Back panel side	Frontal panel side	Back panel side
Contacts type	Female		Female		Female	
Number of contacts	5poles		5poles		5poles	
Fixing thread	PG9		PG9 + CUT		PG9	
Cut size	-		13.3mm		-	

### Technical data

Type of termination	Contacts to solder wires		Contacts suitable for solder PCB		Contacts to solder wires	
Contacts material	Brass + Gold flash		Brass + Gold flash		Brass + Gold flash	
Coupling nut type	Brass + Nickel plated		Brass + Nickel plated		Brass + Nickel plated	
Housing material	Brass + Nickel plated (SW17)		Brass + Nickel plated (SW17)		Brass + Nickel plated (SW17)	
Mobile nut material	0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	60V AC / DC		60V AC / DC		60V AC / DC	
Rated current	4A		4A		4A	
O-ring material	NBR		NBR		NBR	
Cable type	-		-		PVC	
No.Conductors / Section	-		-		5 x 0.25mm <sup>2</sup>	
Conductor colours	-		-		Brown; White; Blue; Black;Grey	
Cable diameter	-		-		-	
Cable length	-		-		0.3m	

### Packaging

Qty/Bag	Not defined	Not defined	Not defined
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### 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

## M12 CIRCULAR CONNECTORS

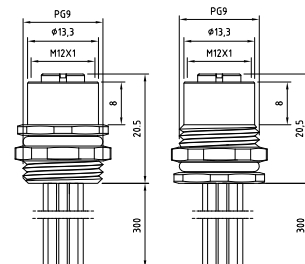
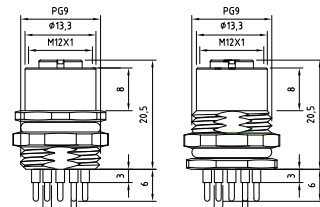
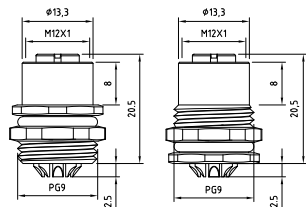
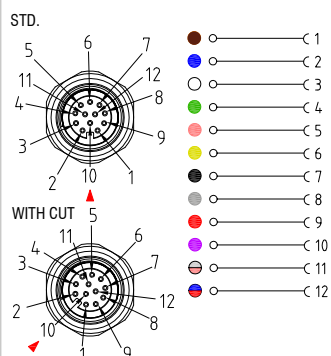
### Panel mount - A-coded



<b>Technical drawing</b>							
STD.							
WITH CUT							
<b>Product description</b>							
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 to panel mount with contacts suitable for solder PCB.		Circular connector M12 series,panel mount with PVC soldered wires.	
Part number		<b>12FP8000-PG9</b> <b>12FR8000-PG9</b>		<b>12FQ8000-PG9-CUT</b> <b>12FS8000-PG9-CUT</b>		<b>12FP8A0C-PG9</b> <b>12FR8A0C-PG9</b>	
Housing type		Frontal panel side      Back panel side		Frontal panel side      Back panel side		Frontal panel side      Back panel side	
Contacts type		Female		Female		Female	
Number of contacts		8poles		8poles		8poles	
Fixing thread		PG9		PG9 + CUT		PG9	
Cut size		-		13.3mm		-	
<b>Technical data</b>							
Type of termination		Contacts to solder wires		Contacts suitable for solder PCB		Contacts to solder wires	
Contacts material		Brass + Gold flash		Brass + Gold flash		Brass + Gold flash	
Housing material		Brass + Nickel plated		Brass + Nickel plated		Brass + Nickel plated	
Mobile nut material		Brass + Nickel plated (SW17)		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		30V AC/DC		30V AC/DC		30V AC/DC	
Rated current		2A		2A		2A	
O-ring material		NBR		NBR		NBR	
Cable type		-		-		PVC	
No. Conductors / Section		-		-		8 x 0.25mm²	
Conductor colours		-		-		White;Brown;Green;Yellow;Grey;Pink;Blue;Red	
Cable diameter		-		-			
Cable length		-		-		0.3m	
<b>Packaging</b>							
Qty/Bag		Not defined		Not defined		Not defined	
<b>Other accessories options</b>							
See accessories section							
<b>Notes:</b>							
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 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 to panel mount with contacts suitable for solder PCB.		Circular connector M12 series,panel mount with PVC soldered wires.	
Part number	<b>12FP12000-PG9</b>	<b>12FR12000-PG9</b>	<b>12FQ12000-PG9-CUT</b>	<b>12FS12000-PG9-CUT</b>	<b>12FP12K0C-PG9</b>	<b>12FR12K0C-PG9</b>
Housing type	Frontal panel side	Back panel side	Frontal panel side	Back panel side	Frontal panel side	Back panel side
Contacts type	Female		Female		Female	
Number of contacts	12poles		12poles		12poles	
Fixing thread	PG9		PG9 + CUT		PG9	
Cut size	-		13.3mm		-	

### Technical data

Type of termination	Contacts to solder wires	Contacts suitable for solder PCB	Contacts to solder wires
Contacts material	Brass + Gold flash	Brass + Gold flash	Brass + Gold flash
Housing material	Brass + Nickel plated	Brass + Nickel plated	Brass + Nickel plated
Mobile nut material	Brass + Nickel plated (SW17)	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	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	-	-	12 x 0.14mm <sup>2</sup>
Conductor colours	-	-	Bn;Bu;Wh;Gn;Pk;Ye;Bk;Gy;Rd;Vt;Pk;Gy;Rd;Bu
Cable diameter	-	-	-
Cable length	-	-	0.3m

### Packaging

Qty/Bag	Not defined	Not defined	Not defined
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### Other accessories options

See accessories section

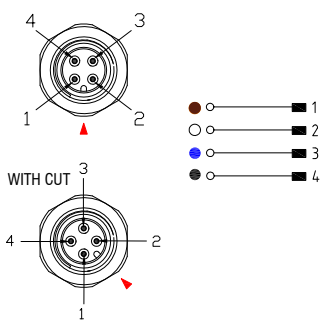
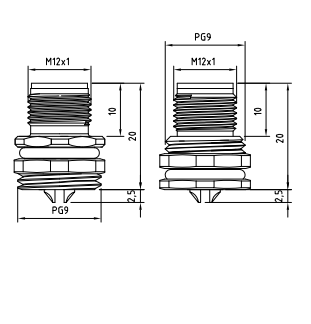
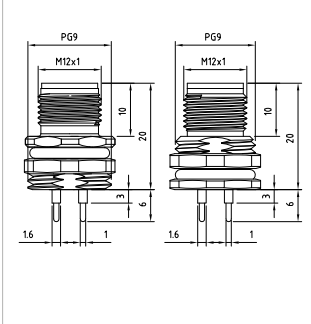
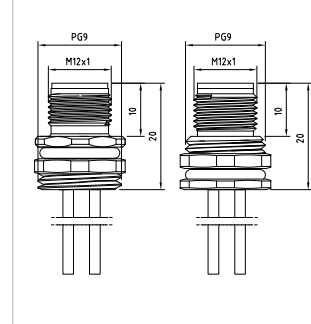
### Notes:

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

## M12 CIRCULAR CONNECTORS

Panel mount - A-coded

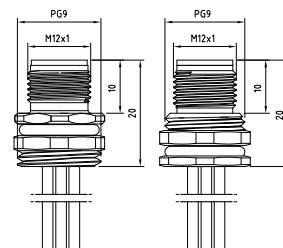
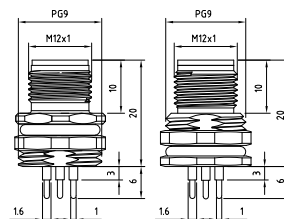
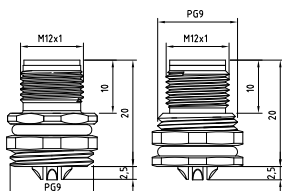
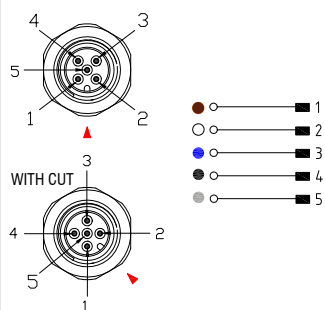


<b>Technical drawing</b>							
STD. 							
<b>Product description</b>							
Connector type		Circular connector panel mount		Circular connector panel mount		Circular connector panel mount	
Conforms to		IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
Construction type		M12 A-Coded		M12 A-Coded		M12 A-Coded	
Description		Circular connector M12 series,panel mount		Circular connector M12 series to panel mount with contacts suitable for solder PCB.		Circular connector M12 series,panel mount with PVC soldered wires.	
Part number		<b>12MP4000-PG9</b>	<b>12MR4000-PG9</b>	<b>12MQ4000-PG9-CUT</b>	<b>12MS4000-PG9-CUT</b>	<b>12MP4A0C-PG9</b>	<b>12MR4A0C-PG9</b>
Housing type		Frontal panel side	Back panel side	Frontal panel side	Back panel side	Frontal panel side	Back panel side
Contacts type		Male		Male		Male	
Number of contacts		4poles		4poles		4poles	
Fixing thread		PG9		PG9 + CUT		PG9	
Cut size		-		13.3mm		-	
<b>Technical data</b>							
Type of termination		Contacts to solder wires		Contacts suitable for solder PCB		Contacts to solder wires	
Contacts material		Brass + Gold flash		Brass + Gold flash		Brass + Gold flash	
Housing material		Brass + Nickel plated		Brass + Nickel plated		Brass + Nickel plated	
Mobile nut material		Brass + Nickel plated (SW17)		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		NBR	
Cable type		-		-		PVC	
No. Conductors / Section		-		-		4 x 0.25mm²	
Conductor colours		-		-		Brown; White; Blue; Black	
Cable diameter		-		-		-	
Cable length		-		-		0.3m	
<b>Packaging</b>							
Qty/Bag		Not defined		Not defined		Not defined	
<b>Other accessories options</b>							
See accessories section							
<b>Notes:</b> Connectors available with different feautures: See the general features and codification scheme page See the cables list section							



### Technical drawing

STD.



### 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 to panel mount with contacts suitable for solder PCB.		Circular connector M12 series, panel mount with PVC soldered wires.	
Part number	<b>12MP5000-PG9</b>	<b>12MR5000-PG9</b>	<b>12MQ5000-PG9-CUT</b>	<b>12MS5000-PG9-CUT</b>	<b>12MP5A0C-PG9</b>	<b>12MR5A0C-PG9</b>
Housing type	Frontal panel side	Back panel side	Frontal panel side	Back panel side	Frontal panel side	Back panel side
Contacts type	Male		Male		Male	
Number of contacts	5poles		5poles		5poles	
Fixing thread	PG9		PG9 + CUT		PG9	
Cut size	-		13.3mm		-	

### Technical data

Type of termination	Contacts to solder wires	Contacts suitable for solder PCB	Contacts to solder wires
Housing material	Brass + Gold flash	Brass + Gold flash	Brass + Gold flash
Mobile nut material	Brass + Nickel plated	Brass + Nickel plated	Brass + Nickel plated
M12 coupling nut material	Brass + Nickel plated (SW17)	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	60V AC / DC	60V AC / DC	60V AC / DC
Rated current	4A	4A	4A
O-ring material	NBR	NBR	NBR
Cable type	-	-	PVC
No. Conductors / Section	-	-	5 x 0.25mm <sup>2</sup>
Conductor colours	-	-	Brown; White; Blue; Black; Grey
Cable diameter	-	-	-
Cable length	-	-	0.3m

### Packaging

Qty/Bag	Not defined	Not defined	Not defined
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### 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

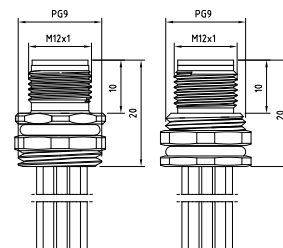
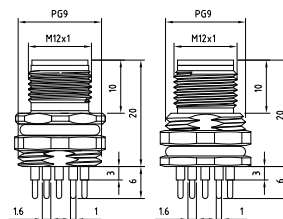
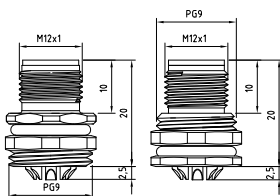
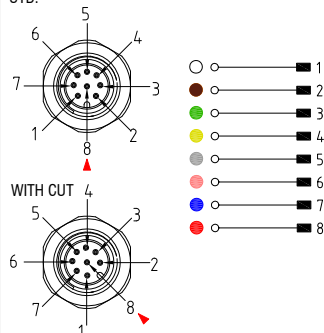
# M12 CIRCULAR CONNECTORS

Panel mount - A-coded



## Technical drawing

STD.



## 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 to panel mount with contacts suitable for solder PCB.		Circular connector M12 series,panel mount with PVC soldered wires.	
Part number	<b>12MP8000-PG9</b>	<b>12MR8000-PG9</b>	<b>12MQ8000-PG9-CUT</b>	<b>12MS8000-PG9-CUT</b>	<b>12MP8A0C-PG9</b>	<b>12MR8A0C-PG9</b>
Housing type	Frontal panel side	Back panel side	Frontal panel side	Back panel side	Frontal panel side	Back panel side
Contacts type	Male		Male		Male	
Number of contacts	8poles		8poles		8poles	
Fixing thread	PG9		PG9 + CUT		PG9	
Cut size	-		13.3mm		-	

## Technical data

Type of termination	Contacts to solder wires	Contacts suitable for solder PCB	Contacts to solder wires
Contacts material	Brass + Gold flash	Brass + Gold flash	Brass + Gold flash
Housing material	Brass + Nickel plated	Brass + Nickel plated	Brass + Nickel plated
Mobile nut material	Brass + Nickel plated (SW17)	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	30V AC/DC	30V AC/DC	30V AC/DC
Rated current	2A	2A	2A
O-ring material	NBR	NBR	NBR
Cable type	-	-	PVC
No. Conductors / Section	-	-	8 x 0.25mm <sup>2</sup>
Conductor colours	-	-	White;Brown;Green;Yellow;Grey;Pink;Blue;Red
Cable diameter	-	-	-
Cable length	-	-	0.3m

## Packaging

Qty/Bag	Not defined	Not defined	Not defined
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## Other accessories options

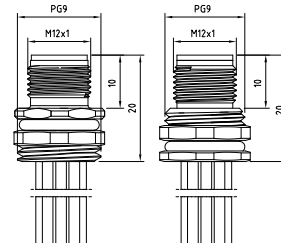
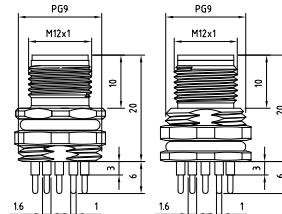
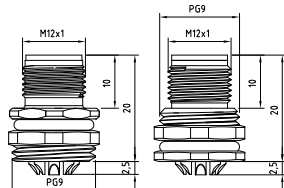
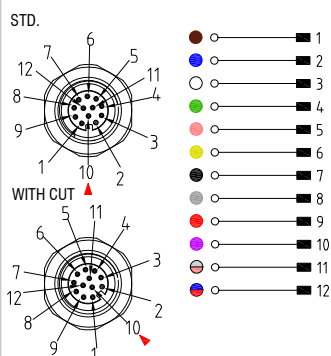
See accessories section

## Notes:

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



### Technical drawing



### 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 to panel mount with contacts suitable for solder PCB.		Circular connector M12 series, panel mount with PVC soldered wires.	
Part number	<b>12MP12000-PG9</b>	<b>12MR12000-PG9</b>	<b>12MQ12000-PG9-CUT</b>	<b>12MS12000-PG9-CUT</b>	<b>12MP12K0C-PG9</b>	<b>12MR12K0C-PG9</b>
Housing type	Frontal panel side	Back panel side	Frontal panel side	Back panel side	Frontal panel side	Back panel side
Contacts type	Male		Male		Male	
Number of contacts	12poles		12poles		12poles	
Fixing thread	PG9		PG9 + CUT		PG9	
Cut size	-		13.3mm		-	

### Technical data

Type of termination	Contacts to solder wires	Contacts suitable for solder PCB	Contacts to solder wires
Contacts material	Brass + Gold flash	Brass + Gold flash	Brass + Gold flash
Housing material	Brass + Nickel plated	Brass + Nickel plated	Brass + Nickel plated
Mobile nut material	Brass + Nickel plated (SW17)	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	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	-	-	12 x 0.14mm <sup>2</sup>
Conductor colours	-	-	Bn;Bu;Wh;Gn;Pk;Ye;Bk;Gy;Rd;Vt;Pk;Gy;Rd;Bu
Cable diameter	-	-	-
Cable length	-	-	0.3m

### Packaging

Qty/Bag	Not defined	Not defined	Not defined
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### Other accessories options

See accessories section

### Notes:

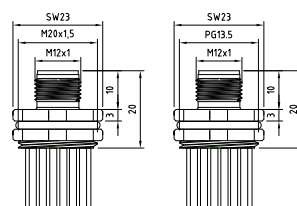
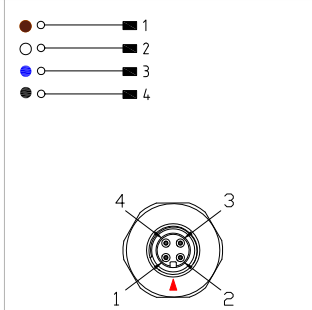
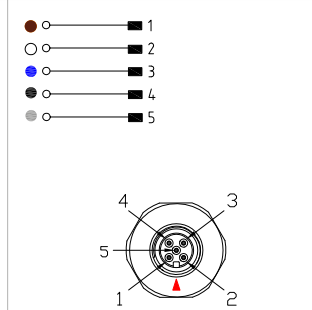
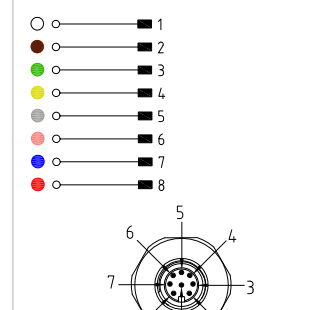
Connectors available with different features:  
See the general features and codification scheme page  
See the cables list section



## M12 CIRCULAR CONNECTORS

Panel mount - A-coded

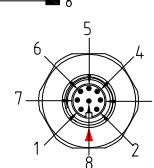
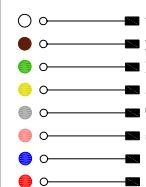
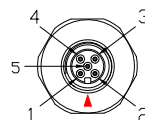
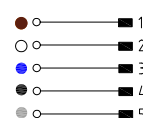
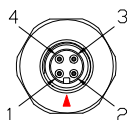
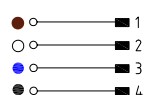
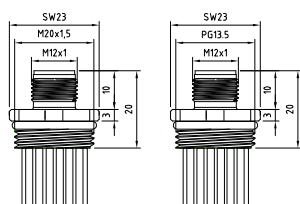


<b>Technical drawing</b>										
<b>Product description</b>										
Connector type		Circular connector panel mount			Circular connector panel mount			Circular connector panel mount		
Conforms to		IEC 61076-2-101			IEC 61076-2-101			IEC 61076-2-101		
Construction type		M12 A-Coded			M12 A-Coded			M12 A-Coded		
Description		Circular connector M12 series,panel mount, with PVC soldered wires			Circular connector M12 series,panel mount, with PVC soldered wires			Circular connector M12 series,panel mount, with PVC soldered wires		
Part number		<b>12MP4A0C-PG13.5</b>		<b>12MP4A0C-M20</b>	<b>12MP5A0C-PG13.5</b>		<b>12MP5A0C-M20</b>	<b>12MP8A0C-PG13.5</b>		<b>12MP8A0C-M20</b>
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		M20x1.5	PG13.5		M20x1.5	PG13.5		M20x1.5
Cut size		-			-			-		
<b>Technical data</b>										
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 material		Brass + Nickel plated			Brass + Nickel plated			Brass + Nickel plated		
Mobile coupling nut material		Brass + Nickel plated (SW22)			Brass + Nickel plated (SW22)			Brass + Nickel plated (SW22)		
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		
O-ring material		NBR			NBR			NBR		
Cable type		PVC			PVC			PVC		
No. Conductors / Section		4 x 0.25mm²			5 x 0.25mm²			8 x 0.25mm²		
Conductor colours		Brown; White; Blue; Black			Brown; White; Blue; Black; Grey			White;Brown;Green;Yellow;Grey;Pink;Blue;Red		
Cable diameter		-			-			-		
Cable length		0.3m			0.3m			0.3m		
<b>Packaging</b>										
Qty/Bag		Not defined			Not defined			Not defined		
<b>Other accessories options</b>										
See accessories section										
<b>Notes:</b> 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 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, plastic material, with PVC soldered wires		Circular connector M12 series, panel mount, plastic material, with PVC soldered wires	Circular connector M12 series, panel mount, plastic material, with PVC soldered wires
Part number	<b>12MPP4A0C-PG13.5</b>	<b>12MPP4A0C-M20</b>	<b>12MPP5A0C-PG13.5</b>	<b>12MPP5A0C-M20</b>
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	M20x1.5	PG13.5	M20x1.5
Fixed nut size	SW23		SW23	SW23

### 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 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
O-ring material	NBR	NBR	NBR
Cable type	PVC	PVC	PVC
No. Conductors / Section	4 x 0.25mm <sup>2</sup>	5 x 0.25mm <sup>2</sup>	8 x 0.25mm <sup>2</sup>
Conductor colours	Brown; White; Blue; Black	Brown; White; Blue; Black; Grey	White; Brown; Green; Yellow; Grey; Pink; Blue; Red
Cable diameter	-	-	-
Cable length	0.3m	0.3m	0.3m

### Packaging

Qty/Bag	Not defined	Not defined	Not defined
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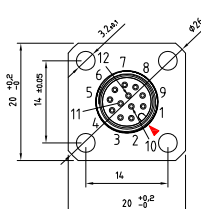
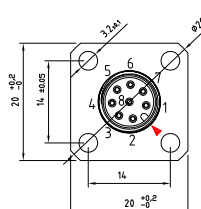
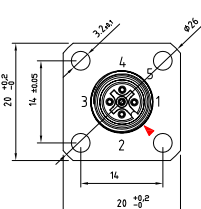
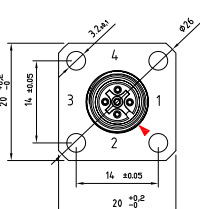
### Other accessories options

See accessories section

### Notes:

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

### Panel mount - A-coded



Connector type	Circular connector panel mount	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	IEC 61076-2-101
Construction type	M12 A-Coded	M12 A-Coded	M12 A-Coded	M12 A-Coded
Description	Circular connector M12 series,panel mount with FLANGE	Circular connector M12 series,panel mount with FLANGE	Circular connector M12 series,panel mount with FLANGE	Circular connector M12 series,panel mount with FLANGE
Part number	<b>12FP4000-FL</b>	<b>12FP5000-FL</b>	<b>12FP8000-FL</b>	<b>12FP12000-FL</b>
Housing type	Frontal panel side	Frontal panel side	Frontal panel side	Frontal panel side
Contacts type	Female	Female	Female	Female
Number of contacts	4poles	5poles	8poles	12poles
Fixing thread	-	-	-	-
Cut size	-	-	-	-

Type of termination	Contacts to solder wires	Contacts to solder wires	Contacts to solder wires	Contacts to solder wires
Contacts material	Brass + Gold flash	Brass + Gold flash	Brass + Gold flash	Brass + Gold flash
Housing material	Brass + Nickel plated	Brass + Nickel plated	Brass + Nickel plated	Brass + Nickel plated
Mobile nut material	-	-	-	-
M12 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
O-ring material	-	-	-	-
Cable type	-	-	-	-
No.Conductors / Section	-	-	-	-
Conductor colours	-	-	-	-
Cable diameter	-	-	-	-
Cable length	-	-	-	-

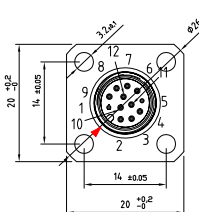
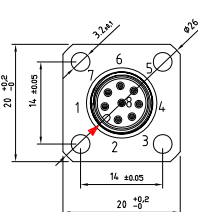
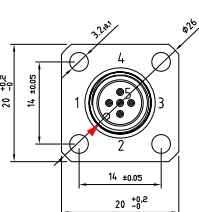
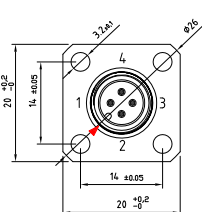
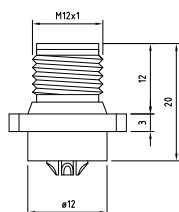
Qty/Bag	Not defined	Not defined	Not defined	Not defined
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See accessories section

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



### Technical drawing



### Product description

Connector type	Circular connector panel mount	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	IEC 61076-2-101
Construction type	M12 A-Coded	M12 A-Coded	M12 A-Coded	M12 A-Coded
Description	Circular connector M12 series, panel mount with FLANGE	Circular connector M12 series, panel mount with FLANGE	Circular connector M12 series, panel mount with FLANGE	Circular connector M12 series, panel mount with FLANGE
Part number	<b>12MP4000-FL</b>	<b>12MP5000-FL</b>	<b>12MP8000-FL</b>	<b>12MP12000-FL</b>
Housing type	Frontal panel side	Frontal panel side	Frontal panel side	Frontal panel side
Contacts type	Male	Male	Male	Male
Number of contacts	4poles	5poles	8poles	12poles
Fixing thread	-	-	-	-
Cut size	-	-	-	-

### Technical data

Type of termination	Contacts to solder wires	Contacts to solder wires	Contacts to solder wires	Contacts to solder wires
Contacts material	Brass + Gold flash	Brass + Gold flash	Brass + Gold flash	Brass + Gold flash
Housing material	Brass + Nickel plated	Brass + Nickel plated	Brass + Nickel plated	Brass + Nickel plated
Mobile nut material	-	-	-	-
M12 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
O-ring material	-	-	-	-
Cable type	-	-	-	-
No. Conductors / Section	-	-	-	-
Conductor colours	-	-	-	-
Cable diameter	-	-	-	-
Cable length	-	-	-	-

### Packaging

Qty/Bag	Not defined	Not defined	Not defined	Not defined
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### 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

# M12 CIRCULAR CONNECTORS

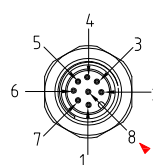
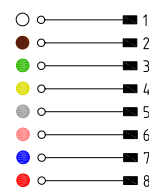
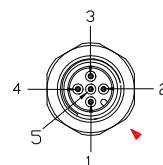
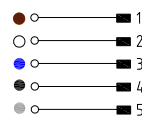
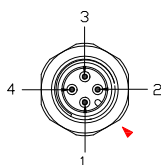
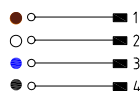
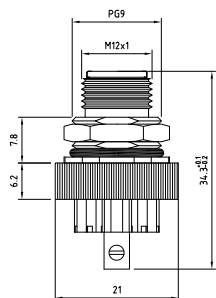
## Panel mount - A-coded



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<b>Product description</b>			
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, with screw contacts	Circular connector M12 series,panel mount, with screw contacts	Circular connector M12 series,panel mount, with screw contacts
Part number	<b>12FX4000-PG9-CUT</b>	<b>12FX5000-PG9-CUT</b>	<b>12FX8000-PG9-CUT</b>
Housing type	Back panel side	Back panel side	Back panel side
Contacts type	Female	Female	Female
Number of contacts	4poles	5poles	8poles
Fixing thread	PG9	PG9	PG9
Cut size	13.3mm	13.3mm	13.3mm
<b>Technical data</b>			
Type 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
Housing material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Mobile nut material	Brass+Nickel plated (SW17)	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	60V AC / DC	30V AC / DC
Rated current	4A	4A	2A
O-ring material	NBR	NBR	NBR
Conductors cross section	From 0.14(26AWG) to 0.50mm²(20AWG)	From 0.14(26AWG) to 0.50mm²(20AWG)	From 0.14(26AWG) to 0.50mm²(20AWG)
<b>Packaging</b>			
Qty/Bag	Not defined	Not defined	Not defined
<b>Other accessories options</b>			
See accessories section			
<b>Notes:</b>			
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 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, with screw contacts	Circular connector M12 series, panel mount, with screw contacts	Circular connector M12 series, panel mount, with screw contacts
Part number	<b>12MX4000-PG9-CUT</b>	<b>12MX5000-PG9-CUT</b>	<b>12MX8000-PG9-CUT</b>
Housing 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

### Technical data

Type 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
Housing material	Brass + Nickel plated	Brass + Nickel plated	Brass + Nickel plated
Mobile nut material	Brass + Nickel plated (SW17)	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	60V AC / DC	30V AC / DC
Rated current	4A	4A	2A
O-ring material	NBR	NBR	NBR
Conductors cross section	From 0.14(26AWG) to 0.50mm <sup>2</sup> (20AWG)	From 0.14(26AWG) to 0.50mm <sup>2</sup> (20AWG)	From 0.14(26AWG) to 0.50mm <sup>2</sup> (20AWG)

### Packaging

Qty/Bag	Not defined	Not defined	Not defined
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### Other accessories options

See accessories section

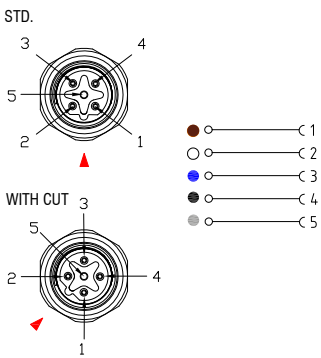
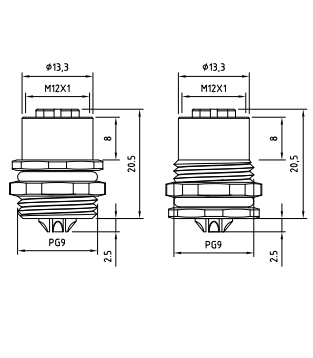
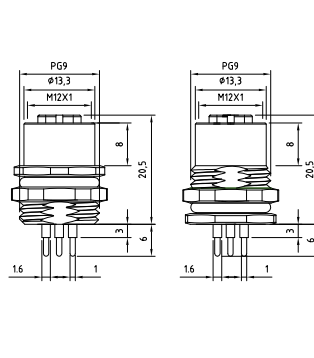
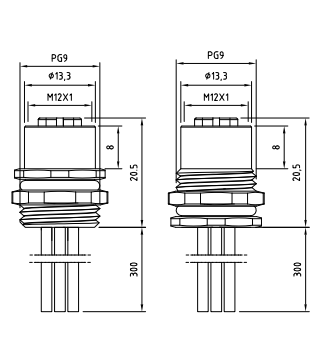
### Notes:

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

## M12 CIRCULAR CONNECTORS

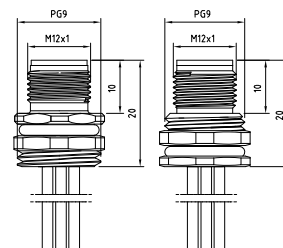
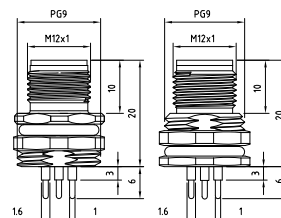
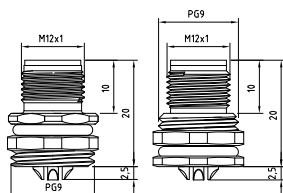
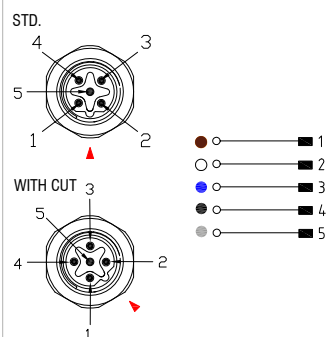
Panel mount - B-coded



<b>Technical drawing</b>							
							
<b>Product description</b>							
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 B-Coded		M12 B-Coded		M12 B-Coded	
Description		Circular connector M12 series,B-coded, panel mount		Circular connector M12 series B-coded,panel mount,with contacts suitable for solder PCB.		Circular connector M12 series B-coded,panel mount,with PVC soldered wires.	
Part number		<b>B-12FP5000-PG9</b>	<b>B-12FR5000-PG9</b>	<b>B-12FQ5000-PG9-CUT</b>	<b>B-12FS5000-PG9-CUT</b>	<b>B-12FP5A0C-PG9</b>	<b>B-12FR5A0C-PG9</b>
Housing type		Frontal panel side	Back panel side	Frontal panel side	Back panel side	Frontal panel side	Back panel side
Cable gland		Female		Female		Female	
Contacts type		5poles		5poles		5poles	
Fixing thread		PG9		PG9 + CUT		PG9	
Cut size		-		13.3mm		-	
<b>Technical data</b>							
Type of termination		Contacts to solder wires		Contacts suitable for solder PCB		Contacts to solder wires	
Contacts material		Brass + Gold flash		Brass + Gold flash		Brass + Gold flash	
Coupling nut type		Brass + Nickel plated		Brass + Nickel plated		Brass + Nickel plated	
M12 coupling nut material		Brass + Nickel plated (SW17)		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		60V AC / DC		60V AC / DC		60V AC / DC	
Rated current		4A		4A		4A	
O-ring material		NBR		NBR		NBR	
Cable type		-		-		PVC	
No. Conductors / Section		-		-		5 x 0.25mm²	
Conductor colours		-		-		Brown; White; Blue; Black;Grey	
Cable diameter		-		-		-	
Cable length		-		-		0.3m	
<b>Packaging</b>							
Qty/Bag		Not defined		Not defined		Not defined	
<b>Other accessories options</b>							
See accessories section							
<b>Notes:</b> 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 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 B-Coded		M12 B-Coded		M12 B-Coded	
Description	Circular connector M12 series, B-coded, panel mount		Circular connector M12 series B-coded, panel mount, with contacts suitable for solder PCB.		Circular connector M12 series B-coded, panel mount, with PVC soldered wires.	
Part number	<b>B-12MP5000-PG9</b>	<b>B-12MR5000-PG9</b>	<b>B-12MQ5000-PG9-CUT</b>	<b>B-12MS5000-PG9-CUT</b>	<b>B-12MP5A0C-PG9</b>	<b>B-12MR5A0C-PG9</b>
Housing type	Frontal panel side	Back panel side	Frontal panel side	Back panel side	Frontal panel side	Back panel side
Cable gland	Male		Male		Male	
Contacts type	5poles		5poles		5poles	
Fixing thread	PG9		PG9 + CUT		PG9	
Cut size	-		13.3mm		-	

### Technical data

Type of termination	Contacts to solder wires	Contacts suitable for solder PCB	Contacts to solder wires
Contacts material	Brass + Gold flash	Brass + Gold flash	Brass + Gold flash
Coupling nut type	Brass + Nickel plated	Brass + Nickel plated	Brass + Nickel plated
M12 coupling nut material	Brass + Nickel plated (SW17)	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	60V AC / DC	60V AC / DC	60V AC / DC
Rated current	4A	4A	4A
O-ring material	NBR	NBR	NBR
Cable type	-	-	PVC
No. Conductors / Section	-	-	5 x 0.25mm <sup>2</sup>
Conductor colours	-	-	Brown; White; Blue; Black; Grey
Cable diameter	-	-	-
Cable length	-	-	0.3m

### Packaging

Qty/Bag	Not defined	Not defined	Not defined
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### Other accessories options

See accessories section

### Notes:

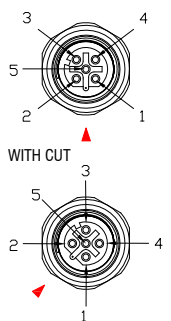
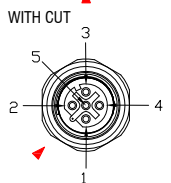
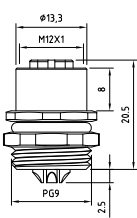
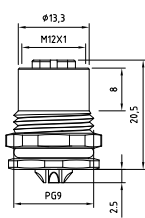
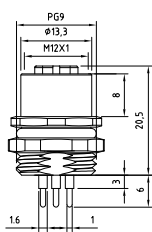
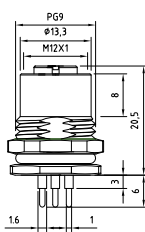
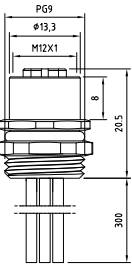
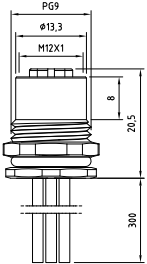
Connectors available with different features:  
See the general features and codification scheme page  
See the cables list section



## M12 CIRCULAR CONNECTORS

### Panel mount - D-coded

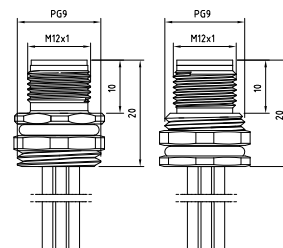
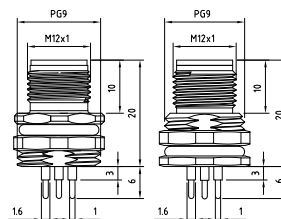
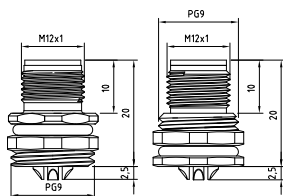
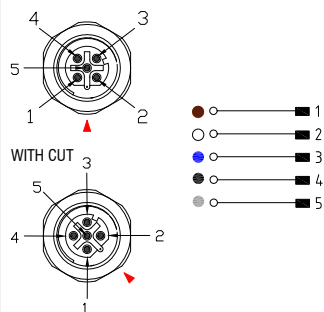


<b>Technical drawing</b>							
<div><div>STD.</div><div></div><div>WITH CUT</div><div></div></div> <div><div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div></div><div><div></div><div></div><div></div><div></div><div></div></div></div>		<div></div> <div></div>		<div></div> <div></div>		<div></div> <div></div>	
<b>Product description</b>							
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 D-Coded		M12 D-Coded		M12 D-Coded	
Description		Circular connector M12 series,D-coded, panel mount		Circular connector M12 series,D-coded,panel mount,with contacts suitable for solder PCB.		Circular connector M12 series,D-coded,panel mount,with PVC soldered wires.	
Part number		<b>D-12FP5000-PG9</b>	<b>D-12FR5000-PG9</b>	<b>D-12FQ5000-PG9-CUT</b>	<b>D-12FS5000-PG9-CUT</b>	<b>D-12FP5A0C-PG9</b>	<b>D-12FR5A0C-PG9</b>
Housing type		Frontal panel side	Back panel side	Frontal panel side	Back panel side	Frontal panel side	Back panel side
Cable gland		Female		Female		Female	
Contacts type		5poles		5poles		5poles	
Fixing thread		PG9		PG9 + CUT		PG9	
Cut size		-		13.3mm		-	
<b>Technical data</b>							
Type of termination		Contacts to solder wires		Contacts suitable for solder PCB		Contacts to solder wires	
Contacts material		Brass + Gold flash		Brass + Gold flash		Brass + Gold flash	
Coupling nut type		Brass + Nickel plated		Brass + Nickel plated		Brass + Nickel plated	
M12 coupling nut material		Brass + Nickel plated (SW17)		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		60V AC / DC		60V AC / DC		60V AC / DC	
Rated current		4A		4A		4A	
O-ring material		NBR		NBR		NBR	
Cable type		-		-		PVC	
No. Conductors / Section		-		-		5 x 0.25mm <sup>2</sup>	
Conductor colours		-		-		Brown; White; Blue; Black;Grey	
Cable diameter		-		-		-	
Cable length		-		-		0.3m	
<b>Packaging</b>							
Qty/Bag		Not defined		Not defined		Not defined	
<b>Other accessories options</b>							
See accessories section							
<b>Notes:</b>							
Connectors available with different features: See the general features and codification scheme page See the cables list section							



### Technical drawing

STD.



### 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 D-Coded		M12 D-Coded	M12 D-Coded
Description	Circular connector M12 series,D-coded, panel mount		Circular connector M12 series,D-coded,panel mount,with contacts suitable for solder PCB.	Circular connector M12 series,D-coded,panel mount,with PVC soldered wires.
Part number	<b>D-12MP5000-PG9</b>	<b>D-12MR5000-PG9</b>	<b>D-12MQ5000-PG9-CUT</b>	<b>D-12MS5000-PG9-CUT</b>
Housing type	Frontal panel side	Back panel side	Frontal panel side	Back panel side
Cable gland	Male		Male	Male
Contacts type	5poles		5poles	5poles
Fixing thread	PG9		PG9 + CUT	PG9
Cut size	-		13.3mm	-

### Technical data

Type of termination	Contacts to solder wires	Contacts suitable for solder PCB	Contacts to solder wires
Contacts material	Brass + Gold flash	Brass + Gold flash	Brass + Gold flash
Coupling nut type	Brass + Nickel plated	Brass + Nickel plated	Brass + Nickel plated
M12 coupling nut material	Brass + Nickel plated (SW17)	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	60V AC / DC	60V AC / DC	60V AC / DC
Rated current	4A	4A	4A
O-ring material	NBR	NBR	NBR
Cable type	-	-	PVC
No.Conductors / Section	-	-	5 x 0.25mm <sup>2</sup>
Conductor colours	-	-	Brown; White; Blue; Black;Grey
Cable diameter	-	-	-
Cable length	-	-	0.3m

### Packaging

Qty/Bag	Not defined	Not defined	Not defined
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### Other accessories options

See accessories section

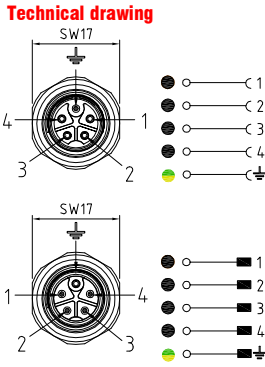
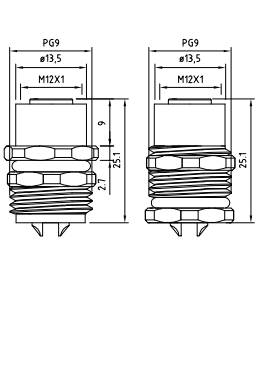
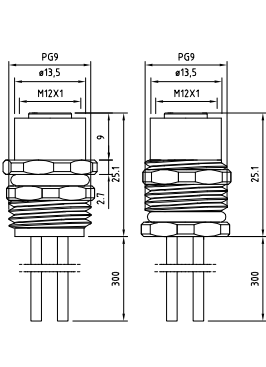
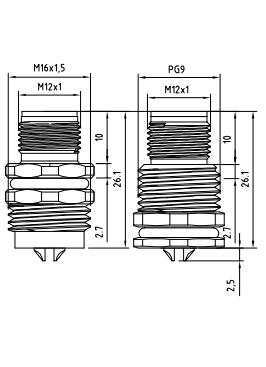
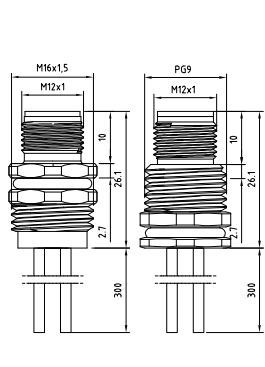
### Notes:

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

## M12 CIRCULAR CONNECTORS

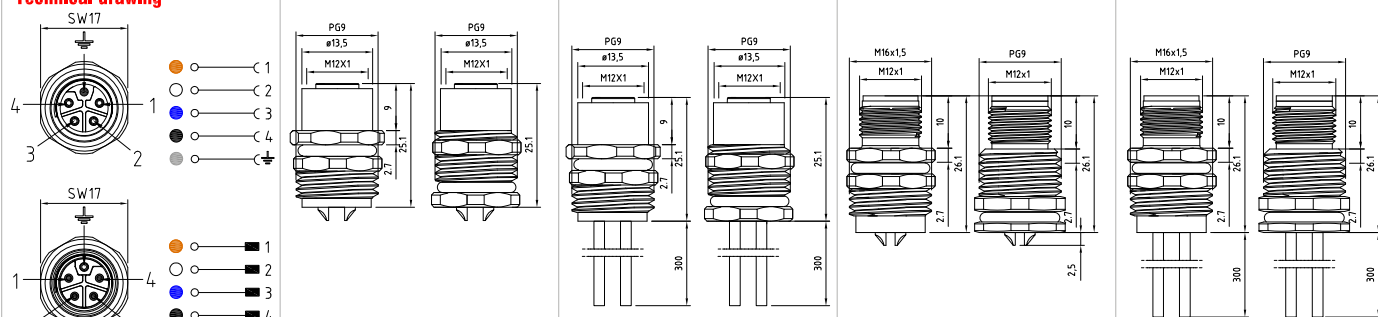
Panel mount - K-coded



<b>Technical drawing</b>									
									
<b>Product description</b>									
Connector type	Circular connector panel mount		Circular connector panel mount		Circular connector panel mount		Circular connector panel mount		
Conforms to	IEC 61076-2-111		IEC 61076-2-111		IEC 61076-2-111		IEC 61076-2-111		
Construction type	M12 K-Coded		M12 K-Coded		M12 K-Coded		M12 K-Coded		
Description	Circular connector M12 series K-coded,panel mount		Circular connector M12 series panel mount with PVC soldered wires		Circular connector M12 series K-coded,panel mount		Circular connector M12 series panel mount with PVC soldered wires		
Part number	<b>K-12FP5000-PG9</b>	<b>K-12FR5000-PG9</b>	<b>K-12FP5460C-PG9</b>	<b>K-12FR5460C-PG9</b>	<b>K-12MP5000-PG9</b>	<b>K-12MR5000-PG9</b>	<b>K-12MP5460C-PG9</b>	<b>K-12MR5460C-PG9</b>	
Housing type	Frontal panel side	Back panel side	Frontal panel side	Back panel side	Frontal panel side	Back panel side	Frontal panel side	Back panel side	
Contacts type	Female		Female		Male		Male		
Number of contacts	4poles + P.E.		4poles + P.E.		4poles + P.E.		4poles + P.E.		
Fixing thread	PG9		PG9		PG9		PG9		
Cut size	-		-		-		-		
<b>Technical data</b>									
Type of termination	Contacts to solder wires		Contacts to solder wires		Contacts to solder wires		Contacts to solder wires		
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash		Brass+Gold flash		
Housing material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated		
Mobile coupling nut material	Brass+Nickel plated (SW17)		Brass+Nickel plated (SW17)		Brass+Nickel plated (SW17)		Brass+Nickel plated (SW17)		
M12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m		0.4 N*m		
Rated voltage	630V AC		630V AC		630V AC		630V AC		
Rated current	12A		12A		12A		12A		
O-ring material	NBR		NBR		NBR		NBR		
Cable type	-		PVC		-		PVC		
No. Conductors / Section	-		4x1.5mm²		-		4x1.5mm²		
Conductor colours	-		Bk 1; Bk 2; Bk 3; Bk 4; Yellow/Green		-		Bk 1; Bk 2; Bk 3; Bk 4; Yellow/Green		
Cable diameter	-		-		-		-		
Cable length	-		0.3m		-		0.3m		
<b>Packaging</b>									
Qty/Bag	Not defined		Not defined		Not defined		Not defined		
<b>Other accessories options</b>									
See accessories section									
<b>Notes:</b>									



### Technical drawing



### Product description

Connector type	Circular connector panel mount		Circular connector panel mount		Circular connector panel mount		Circular connector panel mount	
Conforms to	IEC 61076-2-111		IEC 61076-2-111		IEC 61076-2-111		IEC 61076-2-111	
Construction type	M12 L-Coded		M12 L-Coded		M12 L-Coded		M12 L-Coded	
Description	Circular connector M12 series L-coded, panel mount		Circular connector M12 series panel mount with PVC soldered wires		Circular connector M12 series L-coded, panel mount		Circular connector M12 series panel mount with PVC soldered wires	
Part number	<b>L-12FP5000-PG9</b>	<b>L-12FR5000-PG9</b>	<b>L-12FP5730C-PG9</b>	<b>L-12FR5730C-PG9</b>	<b>L-12MP5000-PG9</b>	<b>L-12MR5000-PG9</b>	<b>L-12MP5730C-PG9</b>	<b>L-12MR5730C-PG9</b>
Housing type	Frontal panel side	Back panel side	Frontal panel side	Back panel side	Frontal panel side	Back panel side	Frontal panel side	Back panel side
Contacts type	Female		Female		Male		Male	
Number of contacts	4poles + F.E.		4poles + F.E.		4poles + F.E.		4poles + F.E.	
Fixing thread	PG9		PG9		PG9		PG9	
Cut size	-		-		-		-	

### Technical data

Type of termination	Contacts to solder wires		Contacts to solder wires		Contacts to solder wires		Contacts to solder wires	
Contacts material	Brass + Gold flash		Brass + Gold flash		Brass + Gold flash		Brass + Gold flash	
Housing material	Brass + Nickel plated		Brass + Nickel plated		Brass + Nickel plated		Brass + Nickel plated	
Mobile coupling nut material	Brass + Nickel plated (SW17)		Brass + Nickel plated (SW17)		Brass + Nickel plated (SW17)		Brass + Nickel plated (SW17)	
M12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	63V DC		63V DC		63V DC		63V DC	
Rated current	16A		16A		16A		16A	
O-ring material	NBR		NBR		NBR		NBR	
Cable type	-		PVC		-		PVC	
No. Conductors / Section	-		4x1.5mm <sup>2</sup>		-		4x1.5mm <sup>2</sup>	
Conductor colours	-		Brown; White; Blue; Black; Grey		-		Brown; White; Blue; Black; Grey	
Cable diameter	-		-		-		-	
Cable length	-		0.3m		-		0.3m	

### Packaging

Qty/Bag	Not defined	Not defined	Not defined	Not defined
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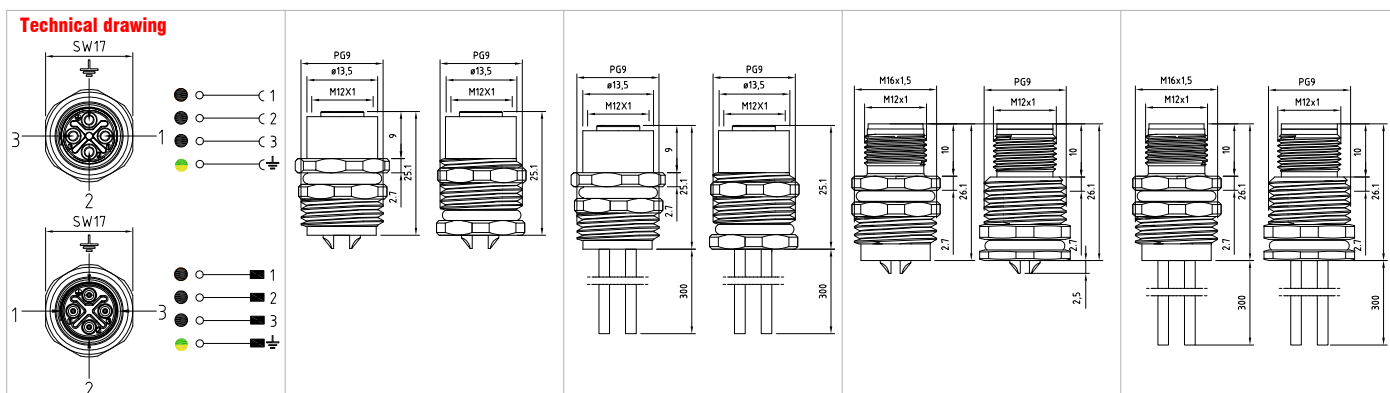
### Other accessories options

See accessories section

### Notes:

## M12 CIRCULAR CONNECTORS

Panel mount - S-coded



### Product description

Connector type	Circular connector panel mount		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		IEC 61076-2-101	
Construction type	M12 S-Coded		M12 S-Coded		M12 S-Coded		M12 S-Coded	
Description	Circular connector M12 series S-coded, panel mount		Circular connector M12 series panel mount with TPO soldered wires		Circular connector M12 series S-coded, panel mount		Circular connector M12 series panel mount with TPO soldered wires	
Part number	<b>S-12FP4000-PG9</b>	<b>S-12FR4000-PG9</b>	<b>S-12FP4810C-PG9</b>	<b>S-12FR4810C-PG9</b>	<b>S-12MP4000-PG9</b>	<b>S-12MR4000-PG9</b>	<b>S-12MP4810C-PG9</b>	<b>S-12MR4810C-PG9</b>
Housing type	Frontal panel side	Back panel side	Frontal panel side	Back panel side	Frontal panel side	Back panel side	Frontal panel side	Back panel side
Contacts type	Female		Female		Male		Male	
Number of contacts	3poles + P.E.		3poles + P.E.		3poles + P.E.		3poles + P.E.	
Fixing thread	PG9		PG9		PG9		PG9	
Cut size	-		-		-		-	

### Technical data

Type of termination	Contacts to solder wires		Contacts to solder wires		Contacts to solder wires		Contacts to solder wires	
Contacts material	Brass + Gold flash		Brass + Gold flash		Brass + Gold flash		Brass + Gold flash	
Housing material	Brass + Nickel plated		Brass + Nickel plated		Brass + Nickel plated		Brass + Nickel plated	
Mobile coupling nut material	Brass + Nickel plated (SW17)		Brass + Nickel plated (SW17)		Brass + Nickel plated (SW17)		Brass + Nickel plated (SW17)	
M12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	630V AC		630V AC		630V AC		630V AC	
Rated current	12A		12A		12A		12A	
O-ring material	NBR		NBR		NBR		NBR	
Cable type	-		TPO		-		TPO	
No. Conductors / Section	-		4x1.5mm <sup>2</sup>		-		4x1.5mm <sup>2</sup>	
Conductor colours	-		Black 1; Black 2; Black 3; Yellow/Green		-		Black 1; Black 2; Black 3; Yellow/Green	
Cable diameter	-		-		-		-	
Cable length	-		0.3m		-		0.3m	

### Packaging

Qty/Bag	Not defined	Not defined		
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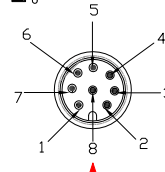
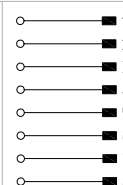
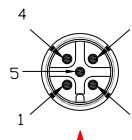
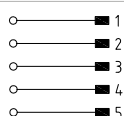
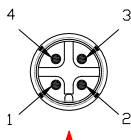
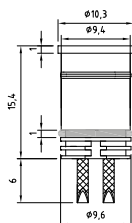
### Other accessories options

See accessories section

### Notes:



### Technical drawing



### 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 series, panel mount	Internal core of circular connector M12 series, panel mount	Internal core of circular connector M12 series, panel mount
Part number	<b>12MN4000</b>	<b>12MN5000</b>	<b>12MN8000</b>
Internal core housing type	Connector panel mount	Connector panel mount	Connector panel mount
Contacts type	Male	Male	Male
Number of contacts	4poles	5poles	8poles

### 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
Internal core housing material	PA66	PA66	PA66
Rated voltage	250V AC / DC	60V AC / DC	30V AC / DC
Rated current	4A	4A	2A
O-ring material	NBR	NBR	NBR
Cable type	-	-	-
No. Conductors / Section	-	-	-
Conductor colours	-	-	-
Cable diameter	-	-	-
Cable length			

### Packaging

Qty/Bag	Not defined	Not defined	Not defined
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### Other accessories options

See accessories section

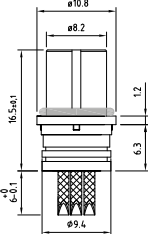
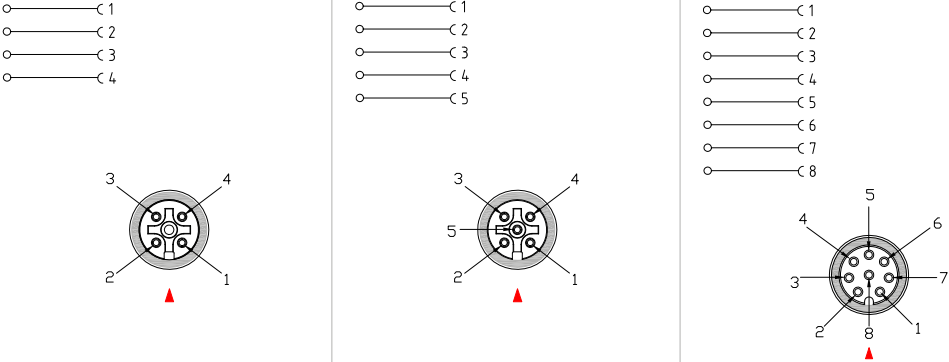
### Notes:

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

# M12 CIRCULAR CONNECTORS

Internal cores - A-coded

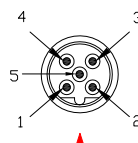
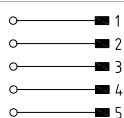
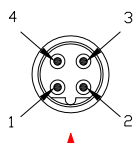
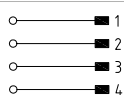
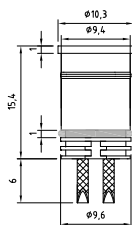


<b>Technical drawing</b> 			
			
<b>Product description</b>			
Connector type	Internal core	Internal core	Internal core
Conforms to	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101
Construction type	M12 A-Coded	M12 A-Coded	M12 A-Coded
Description	Internal core of circular connector M12 series,panel mount	Internal core of circular connector M12 series,panel mount	Internal core of circular connector M12 series,panel mount
Part number	<b>12FN4000</b>	<b>12FN5000</b>	<b>12FN8000</b>
Internal core housing type	Connector panel mount	Connector panel mount	Connector panel mount
Contacts type	Female	Female	Female
Number of contacts	4poles	5poles	8poles
<b>Technical data</b>			
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
Internal core housing material	PA66	PA66	PA66
Rated voltage	250V AC / DC	60V AC / DC	30V AC / DC
Rated current	4A	4A	2A
O-ring material	NBR	NBR	NBR
Cable type	-	-	-
No. Conductors / Section	-	-	-
Conductor colours	-	-	-
Cable diameter	-	-	-
Cable length	-	-	-
<b>Packaging</b>			
Qty/Bag	Not defined	Not defined	Not defined
<b>Other accessories options</b>			
See accessories section			
<b>Notes:</b>			
Connectors available with different feautres: See the general features and codification scheme page See the cables list section			





### Technical drawing



### Product description

Connector type	Internal core	Internal core	
Conforms to	IEC 61076-2-101	IEC 61076-2-101	
Construction type	M12 B-Coded	M12 B-Coded	
Description	Internal core of circular connector M12 series,B-coded,panel mount	Internal core of circular connector M12 series,B-coded,panel mount	
Part number	<b>B-12MN4000</b>	<b>B-12MN5000</b>	
Internal core housing type	Connector panel mount	Connector panel mount	
Contacts type	Male	Male	
Number of contacts	4poles	5poles	

### Technical data

Type of termination	Contacts to solder wires	Contacts to solder wires	
Contacts material	Brass + Gold flash	Brass + Gold flash	
Internal core housing material	PA66	PA66	
Rated voltage	250V AC / DC	60V AC / DC	
Rated current	4A	4A	
O-ring material	NBR	NBR	
Cable type	-	-	
No.Conductors / Section	-	-	
Conductor colours	-	-	
Cable diameter	-	-	
Cable length			

### Packaging

Qty/Bag	Not defined	Not defined	
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### Other accessories options

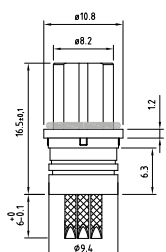
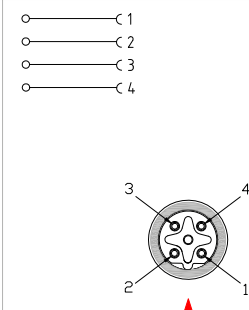
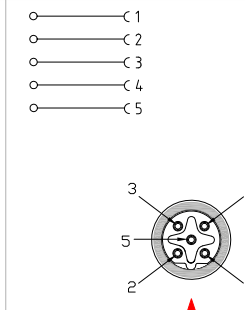
See accessories section

### Notes:

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

M12 CIRCULAR CONNECTORS  
Internal cores - B-coded



<b>Technical drawing</b>			
			
<b>Product description</b>			
Connector type	Internal core	Internal core	
Conforms to	IEC 61076-2-101	IEC 61076-2-101	
Construction type	M12 B-Coded	M12 B-Coded	
Description	Internal core of circular connector M12 series,B-coded,panel mount	Internal core of circular connector M12 series,B-coded,panel mount	
Part number	<b>B-12FN4000</b>	<b>B-12FN5000</b>	
Internal core housing type	Connector panel mount	Connector panel mount	
Contacts type	Female	Female	
Number of contacts	4poles	5poles	
<b>Technical data</b>			
Type of termination	Contacts to solder wires	Contacts to solder wires	
Contacts material	Brass + Gold flash	Brass + Gold flash	
Internal core housing material	PA66	PA66	
Rated voltage	250V AC / DC	60V AC / DC	
Rated current	4A	4A	
O-ring material	NBR	NBR	
Cable type	-	-	
No.Conductors / Section	-	-	
Conductor colours	-	-	
Cable diameter	-	-	
Cable length	-	-	
<b>Packaging</b>			
Qty/Bag	Not defined	Not defined	
<b>Other accessories options</b>			
See accessories section			
<b>Notes:</b> Connectors available with different features: See the general features and codification scheme page See the cables list section			