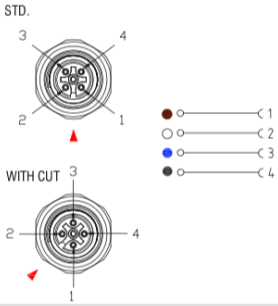
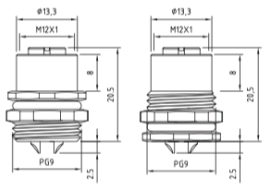
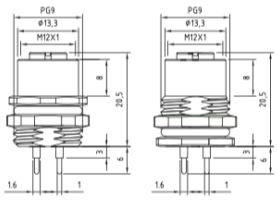
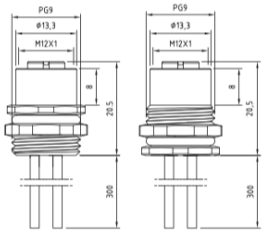
AVT Wiring & Connecting
P.O. Box 7154
5605 JD Eindhoven
Freddy van Riemsdijkweg 7
5657 EE Eindhoven
The Netherlands

M12 Circular Connectors

Panel mount - A-coded

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 to panel mount with PVC soldered wires.	
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	4poles		4poles		4poles	
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	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 lenght	-		-		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 See the cables list section						

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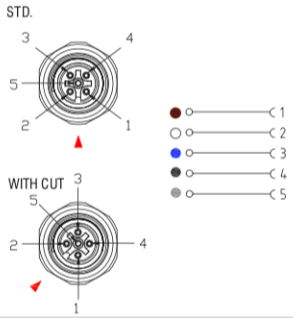
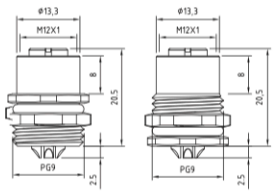
The Netherlands

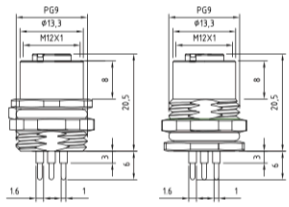
M12 Circular Connectors

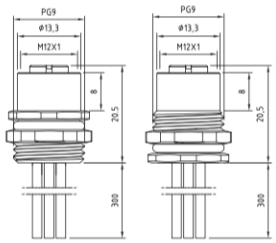
Panel mount - A-coded

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.	
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 0.25mm²	
Conductor colours	-		-		Brown; White; Blue; Black;Grey	
Cable diameter	-		-		-	
Cable lenght	-		-		0.3m	
Packaging						
Qty/Bag	Not defined		Not defined		Not defined	
Other accessories options						
See accessories section						

Notes:
Connectors available with different feautures:
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See the cables list section

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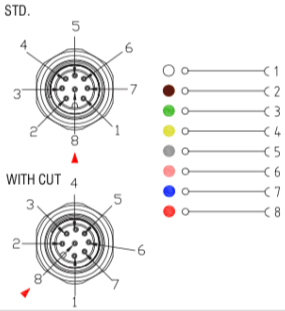
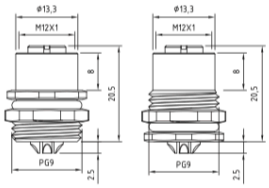
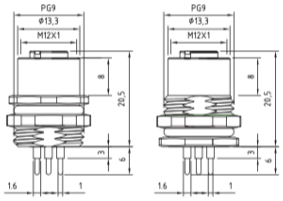
M12 Circular Connectors

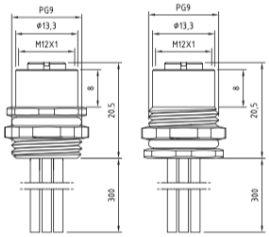
Panel mount - A-coded

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.	
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		-	
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 0.25mm²	
Conductor colours	-		-		White;Brown;Green;Yellow;Grey;Pink;Blue;Red	
Cable diameter	-		-			
Cable lenght	-		-		0.3m	
Packaging						
Qty/Bag	Not defined		Not defined		Not defined	
Other accessories options						
See accessories section						

Notes:
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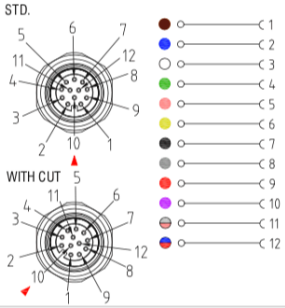
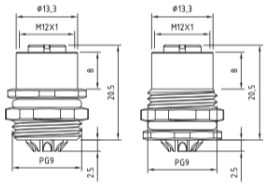
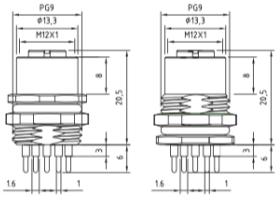
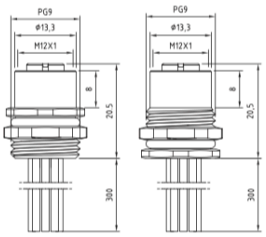
M12 Circular Connectors

Panel mount - A-coded

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.
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 0.14mm²
Conductor colours	-	-	Bn;Bu;Wh;Gn;Pk;Ye;Bk;Gy;Rd;Vt;Pk/Gy;Rd/Bu
Cable diameter	-	-	-
Cable lenght	-	-	0.3m
Packaging			
Qty/Bag	Not defined	Not defined	Not defined
Other accessories options			
See accessories section			

Notes:
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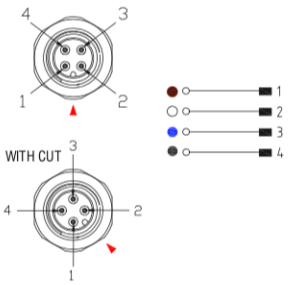
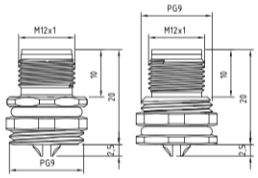
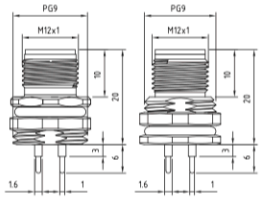
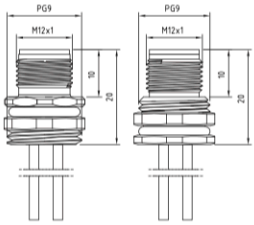
M12 Circular Connectors

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.	
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		-	
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	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 lenght	-		-		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 See the cables list section						

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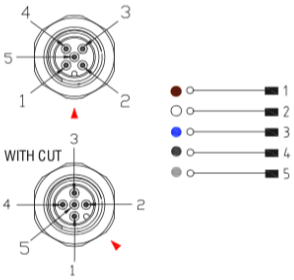
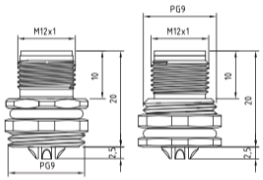
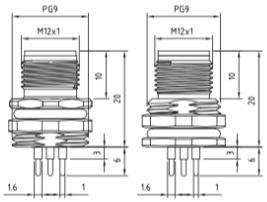
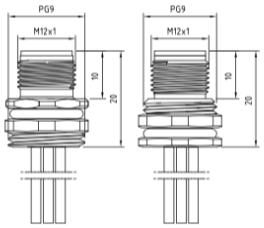
M12 Circular Connectors

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.	
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 0.25mm²	
Conductor colours	-		-		Brown; White; Blue; Black;Grey	
Cable diameter	-		-		-	
Cable lenght	-		-		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 See the cables list section						

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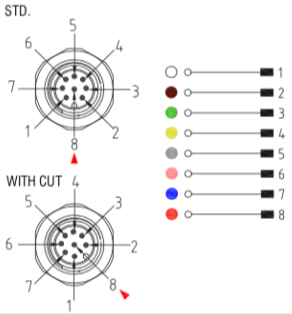
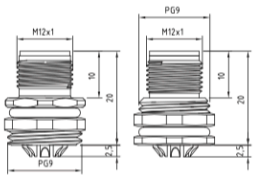
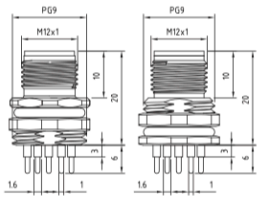
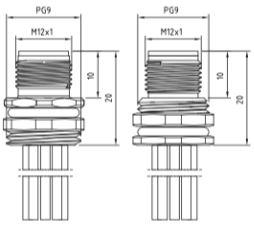
M12 Circular Connectors

Panel mount - A-coded

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.	
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 0.25mm²	
Conductor colours	-		-		White;Brown;Green;Yellow;Grey;Pink;Blue;Red	
Cable diameter	-		-		-	
Cable lenght	-		-		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 See the cables list section						

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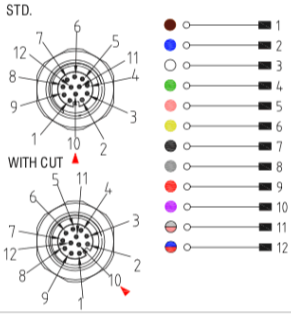
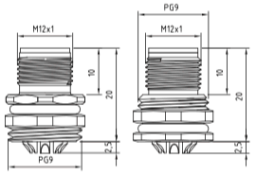
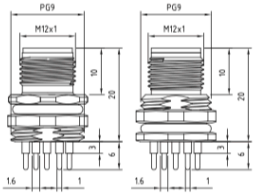
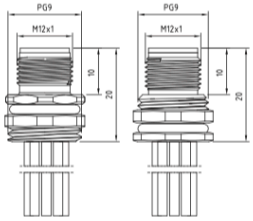
M12 Circular Connectors

Panel mount - A-coded

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.	
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 0.14mm²	
Conductor colours	-		-		Bn;Bu;Wh;Gn;Pk;Ye;Bk;Gy;Rd;Vt;Pk/Gy;Rd/Bu	
Cable diameter	-		-		-	
Cable lenght	-		-		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 See the cables list section						

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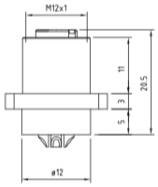
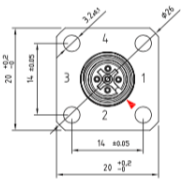
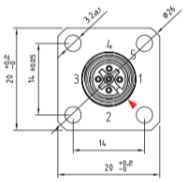
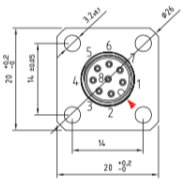
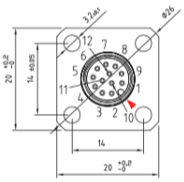
M12 Circular Connectors

Panel mount - A-coded

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
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	-	-	-	-
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 lenght	-	-	-	-
Packaging				
Qty/Bag	Not defined	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 See the cables list section				

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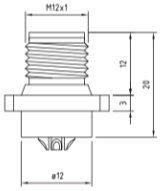
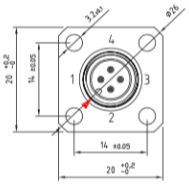
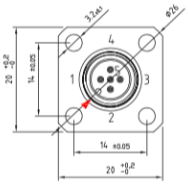
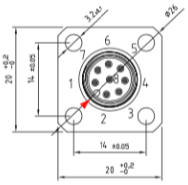
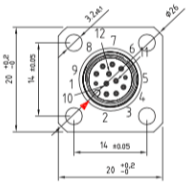
M12 Circular Connectors

Panel mount - A-coded

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
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 lenght	-	-	-	-
Packaging				
Qty/Bag	Not defined	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 See the cables list section				

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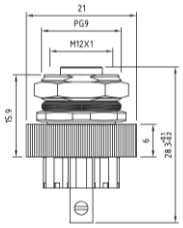
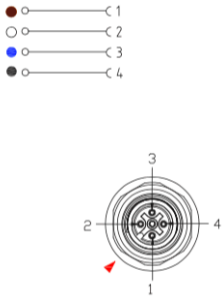
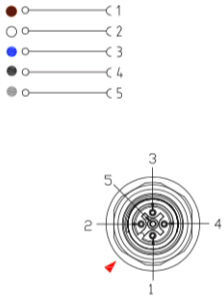
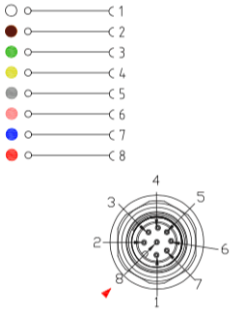
M12 Circular Connectors

Panel mount - A-coded

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
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
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 0.50mm²(20AWG)	From 0.14(26AWG) to 0.50mm²(20AWG)	From 0.14(26AWG) to 0.50mm²(20AWG)
Packaging			
Qty/Bag	Not defined	Not defined	Not defined
Other accessories options			
See accessories section			

Notes:
Connectors available with different feautures:
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See the cables list section

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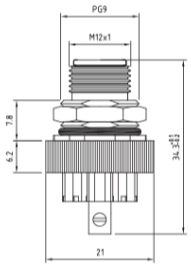
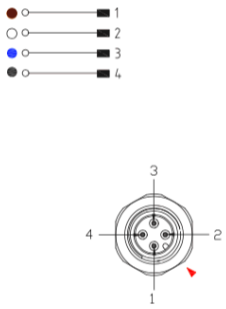
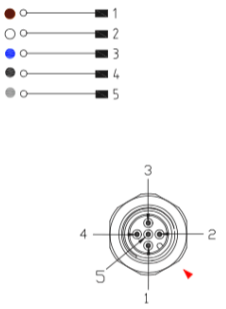
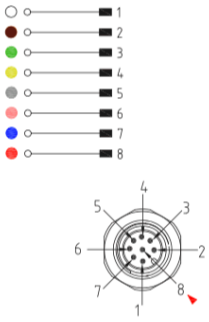
M12 Circular Connectors

Panel mount - A-coded

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
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 0.50mm²(20AWG)	From 0.14(26AWG) to 0.50mm²(20AWG)	From 0.14(26AWG) to 0.50mm²(20AWG)
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
See the cables list section

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