

M12-B Circular Connector

125/250V 4A

Technical characteristics

	3-pole	4-pole	5-pole
Rated current(40°C)	4A	4A	4A
Rated voltage	250V	250V	125V
Rated impulse voltage	2500V	2500V	1500V
Pollution degree	3	3	3
Overvoltage categorie	II	II	II
Contact resistance	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
Connector locking system	screw M12x1	screw M12x1	screw M12x1
Termination	crimp, moulded	crimp, moulded	crimp, moulded
Wire gauge	max.0.34mm ² (AWG22)	max.0.34mm ² (AWG22)	max.0.25mm ² AWG24)
Cable outlet	-	-	-
Degree of protection	IP67 shielded	IP67 shielded	IP67 shielded
Mechanical operation	> 100	> 100	> 100
Limiting temperature	-25°C ...+85°C	-25°C ...+85°C	-25°C ...+85°C
Material group	II	II	II
Material of contact	copper alloy	copper alloy	copper alloy
Contact plating	Au	Au	Au
Insulating material	PA	PA	PA
Material of housing	TPU	TPU	TPU

Straight cable connectors,cable

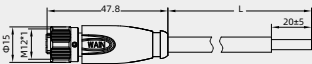
Female connector moulded,screw shielded

Recommended use



Contacts	Cable	Cable length	Designation	Order No.
3	3x0.34PVC	1.5 m	M12-F03B-T-1.5-PVC-SH	163 003 402 4046
		5.0 m	M12-F03B-T-5.0-PVC-SH	163 003 402 4047
	3x0.34PUR	1.5 m	M12-F03B-T-1.5-PUR-SH	163 003 402 4043
		5.0 m	M12-F03B-T-5.0-PUR-SH	163 003 402 4044
4	4x0.34PVC	1.5 m	M12-F04B-T-1.5-PVC-SH	163 004 402 4046
		5.0 m	M12-F04B-T-5.0-PVC-SH	163 004 402 4047
	4x0.34PUR	1.5 m	M12-F04B-T-1.5-PUR-SH	163 004 402 4045
		5.0 m	M12-F04B-T-5.0-PUR-SH	163 004 402 4044
5	5x0.25PVC	1.5 m	M12-F05B-T-1.5-PVC-SH	163 005 402 4046
		5.0 m	M12-F05B-T-5.0-PVC-SH	163 005 402 4044
	5x0.25PUR	1.5 m	M12-F05B-T-1.5-PUR-SH	163 005 402 4064
		5.0 m	M12-F05B-T-5.0-PUR-SH	163 005 402 4065

B-Code



•Further cable length upon request.