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	solde terminal	screw terminal/solde terminal	screw terminal/solde terminal
Wire gauge	max.0.75mm^2(max.AWG18)	max.0.75mm^2(max.AWG18)	max.0.75mm^2(max.AWG18)
Cable outlet	4-6,6-8mm	4-6,6-8mm	4-6,6-8mm
Degree of protection	IP67	IP67	IP67
Mechanical operation	＞ 100	＞ 100	＞ 100
Limiting temperature	-40°C ...+85°C	-40°C ...+85°C	-40°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	PA/PBT/zinc alloy/copper alloy	PA/PBT/zinc alloy/copper alloy	PA/PBT/zinc alloy/copper alloy

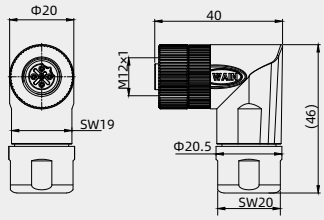
Angled cable connectors，shielded

Female cable connector, shielded, screw clamp connection, with shielding ring

B-Code

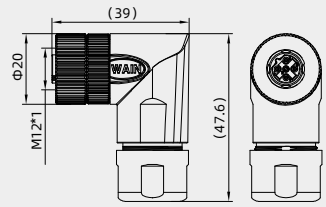
4pin 5pin

Contacts	Cable outlet	Designation	Order No.
4	4-6 mm	M12-F04B-S-D6-SH	163 004 521 2003
	6-8 mm	M12-F04B-S-D8-SH	163 004 521 2004
5	4-6 mm	M12-F05B-S-D6-SH	163 005 521 2003
	6-8 mm	M12-F05B-S-D8-SH	163 005 521 2004



Female cable connector, shielded, solde terminal, with shielding ring

B-Code

3pin 4pin 5pin

Contacts	Cable outlet	Designation	Order No.
3	4-6 mm	M12-FST03B-S-D6-SH	163 003 523 3512
	6-8 mm	M12-FST03B-S-D8-SH	163 003 523 4500
4	4-6 mm	M12-FST04B-S-D6-SH	163 004 523 2502
	6-8 mm	M12-FST04B-S-D8-SH	163 004 523 2503
5	4-6 mm	M12-FST05B-S-D6-SH	163 005 523 2502
	6-8 mm	M12-FST05B-S-D8-SH	163 005 523 2503