

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	4-10mm	4-10mm	4-10mm
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

Straight cable connectors, shielded

Male cable connector, shielded,

screw clamp connection,
with shielding ring

Recommended use

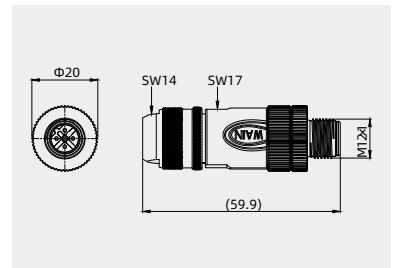


B-Code



4pin 5pin

Contacts	Cable outlet	Designation	Order No.
4	4-6 mm	M12-M04B-T-D6-SH	163 004 411 2006
	6-8 mm	M12-M04B-T-D8-SH	163 004 411 2007
	8-10 mm	M12-M04B-T-D10-SH	163 004 411 2504
5	4-6 mm	M12-M05B-T-D6-SH	163 005 411 2007
	6-8 mm	M12-M05B-T-D8-SH	163 005 411 2008
	8-10 mm	M12-M05B-T-D10-SH	163 005 411 2503



Male cable connector, shielded,

solde terminal, with shielding ring



B-Code



3pin 4pin 5pin

Contacts	Cable outlet	Designation	Order No.
3	4-6 mm	M12-MST03B-T-D6-SH	163 003 413 3512
	6-8 mm	M12-MST03B-T-D8-SH	163 003 413 3513
4	4-6 mm	M12-MST04B-T-D6-SH	163 004 413 2500
	6-8 mm	M12-MST04B-T-D8-SH	163 004 413 2501
5	4-6 mm	M12-MST05B-T-D6-SH	163 005 413 2500
	6-8 mm	M12-MST05B-T-D8-SH	163 005 413 2501

