

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	zinc diecasting nickel plated, brass nickel plated	zinc diecasting nickel plated, brass nickel plated	zinc diecasting nickel plated, brass nickel plated

Straight cable connectors, shielded

Female cable connector, shielded,

screw clamp connection,
with shielding ring

Recommended use

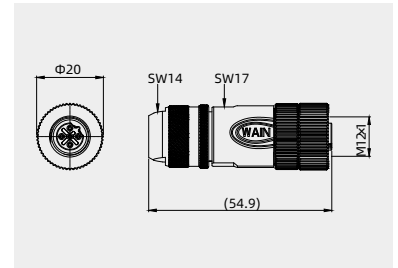


B-Code



4pin 5pin

Contacts	Cable outlet	Designation	Order No.
4	4-6 mm	M12-F04B-T-D6-SH	163 104 421 2001
	6-8 mm	M12-F04B-T-D8-SH	163 004 421 2005
	8-10 mm	M12-F04B-T-D10-SH	163 004 421 2503
5	4-6 mm	M12-F05B-T-D6-SH	163 005 421 2006
	6-8 mm	M12-F05B-T-D8-SH	163 105 421 3003
	8-10 mm	M12-F05B-T-D10-SH	163 005 421 2503



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-T-D6-SH	163 003 423 2502
	6-8 mm	M12-FST03B-T-D8-SH	163 003 423 2503
4	4-6 mm	M12-FST04B-T-D6-SH	163 004 423 2501
	6-8 mm	M12-FST04B-T-D8-SH	163 004 423 2502
5	4-6 mm	M12-FST05B-T-D6-SH	163 005 423 2500
	6-8 mm	M12-FST05B-T-D8-SH	163 005 423 2501

