

M12-B Circular Connector

125/250V 4A

Technical characteristics

	4-pole	5-pole
Rated current(40°C)	4A	4A
Rated voltage	250V	125V
Rated impulse voltage	2500V	1500V
Pollution degree	3	3
Overvoltage categorie	II	II
Contact resistance	≤ 10 mΩ	≤ 10 mΩ
Connector locking system	screw M12x1	screw M12x1
Termination	screw	screw
Wire gauge	max.0.75mm ² (max.AWG18)	max.0.75mm ² (max.AWG18)
Cable outlet	4-6,6-8 mm	4-6,6-8 mm
Degree of protection	IP67	IP67
Mechanical operation	> 100	> 100
Limiting temperature	-40°C ...+85°C	-40°C ...+85°C
Material group	III	III
Material of contact	copper alloy	copper alloy
Contact plating	Au	Au
Insulating material	PA	PA
Material of housing	PA/PBT	PA/PBT

Straight cable connectors

Female cable connector,
plastic locking system,
screw clamp connection



Female cable connector,
metal locking system,
screw clamp connection

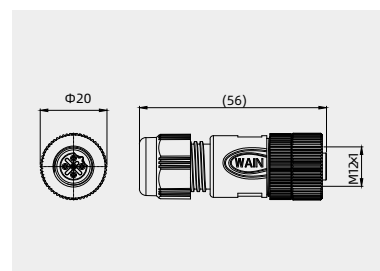
Recommended use



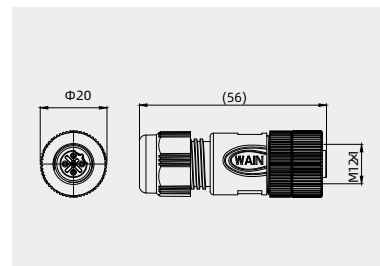
Female cable connector,
stainless steel locking system,
screw clamp connection,



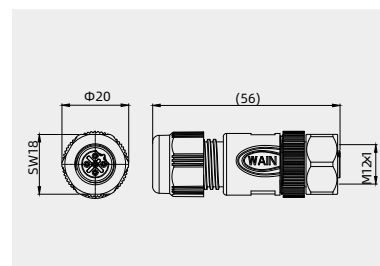
Contacts	Cable outlet	Designation	Order No.
4	4-6 mm	M12P-F04B-T-D6	163 004 421 3106
	6-8 mm	M12P-F04B-T-D8	163 004 421 3107
5	4-6 mm	M12P-F05B-T-D6	163 005 421 3106
	6-8 mm	M12P-F05B-T-D8	163 005 421 3107



Contacts	Cable outlet	Designation	Order No.
4	4-6 mm	M12-F04B-T-D6	163 004 421 1001
	6-8 mm	M12-F04B-T-D8	163 004 421 1002
5	4-6 mm	M12-F05B-T-D6	163 005 421 1001
	6-8 mm	M12-F05B-T-D8	163 105 421 3002



Contacts	Cable outlet	Designation	Order No.
4	4-6 mm	M12S-F04B-T-D6	163 004 421 1003
	6-8 mm	M12S-F04B-T-D8	163 004 421 1004
5	4-6 mm	M12S-F05B-T-D6	163 005 421 1003
	6-8 mm	M12S-F05B-T-D8	163 005 421 1004



M12-B