

M12-A Circular Connector

30/125/250V 1.5/2/8A

Technical characteristics

	4-pole	5-pole	8-pole	12-pole
Rated current (40°C)	8A	Contacts:1-4 8A; Contacts:5 2A	Contacts: 2A	1.5A
Rated voltage	250V	125V	125V	30V
Rated impulse voltage	2500V	1500V	1500V9	800V
Pollution degree	3	3	3	3
Overvoltage categorie	II	II	II	II
Contact resistance	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
Connector locking system	screw M12x1	screw M12x1	screw M12x1	screw M12x1
Termination	screw/solder	screw/solder	screw/solder	solder
Wire gauge	max.1.5mm ² (max.AWG16)	max.1.5mm ² (max.AWG16)	max.1.5mm ² (max.AWG16)	max.0.25mm ² max.AWG24)
Cable outlet	8-10mm	8-10mm	8-10mm	6-8 mm
Degree of protection	IP67	IP67	IP67	IP67
Mechanical operation	> 100	> 100	> 100	> 100
Limiting temperature	-40°C ...+85°C	-40°C ...+85°C	-40°C ...+85°C	-40°C ...+85°C
Material group	II	II	II	III
Material of contact	copper alloy	copper alloy	copper alloy	copper alloy
Contact plating	Au	Au	Au	Au
Insulating material	PA	PA	PA	PA
Material of housing	PA/PBT	PA/PBT	PA/PBT	PA/PBT

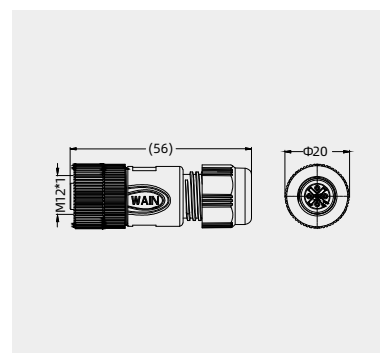
Straight cable connectors

Female cable connector, Power,
screw clamp with ferules

A-Code



Contacts	Cable outlet	Designation	Order No.
4	8-10 mm	M12-F04A-T-D10	163 004 421 3003
5	8-10 mm	M12-F05A-T-D10	163 005 421 3003
8	8-10 mm	M12-F08A-T-D10	163 008 424 1002

Female cable connector, Power,
solder

A-Code



Contacts	Cable outlet	Designation	Order No.
4	8-10 mm	M12-FST04A-T-D10	163 004 423 3504
5	8-10 mm	M12-FST05A-T-D10	163 005 423 3504
8	8-10 mm	M12-FST08A-T-D10	163 008 423 3505
12	8-10 mm	M12-FST12A-T-D10	163 012 423 3001

