

M12-A Circular Connector

60/125/250V 2/4A

Technical characteristics

	3-pole	4-pole	5-pole	8-pole
Rated current (40°C)	4A	4A	4A	2A
Rated voltage	250V	250V	125V	60V
Rated impulse voltage	2500V	2500V	1500V	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.0.75mm ² (max.AWG18)	max.0.75mm ² (max.AWG18)	max.0.75mm ² (max.AWG18)	max.0.75mm ² (max.AWG18)
Cable outlet	4-6,6-8 mm	4-6,6-8 mm	4-6,6-8 mm	4-6,6-8 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	II
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

Angled cable connectors

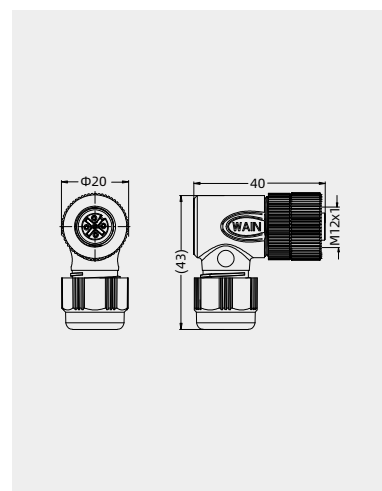
Female cable connector,
plastic locking system,
screw clamp connection



A-Code



Contacts	Cable outlet	Designation	Order No.
3	4-6 mm	M12P-F03A-S-D6	163 003 521 3101
	6-8 mm	M12P-F03A-S-D8	163 003 521 3102
4	4-6 mm	M12P-F04A-S-D6	163 004 521 3101
	6-8 mm	M12P-F04A-S-D8	163 004 521 3102
5	4-6 mm	M12P-F05A-S-D6	163 005 521 3101
	6-8 mm	M12P-F05A-S-D8	163 005 521 3102



Female cable connector,
plastic locking system,solder



A-Code



Contacts	Cable outlet	Designation	Order No.
3	4-6 mm	M12P-FST03A-S-D6	163 003 523 3501
	6-8 mm	M12P-FST03A-S-D8	163 003 523 3502
4	4-6 mm	M12P-FST04A-S-D6	163 004 523 3500
	6-8 mm	M12P-FST04A-S-D8	163 004 523 3501
5	4-6 mm	M12P-FST05A-S-D6	163 005 523 3500
	6-8 mm	M12P-FST05A-S-D8	163 005 523 3501
8	4-6 mm	M12P-FST08A-S-D6	163 008 523 3500
	6-8 mm	M12P-FST08A-S-D8	163 008 523 3501

