

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

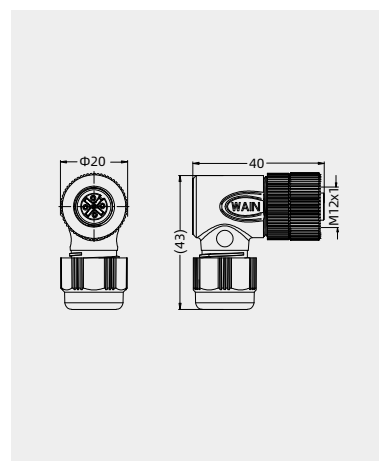
Female angled connector,
metal locking system,
screw clamp connection
Recommended use



A-Code



Contacts	Cable outlet	Designation	Order No.
3	4-6 mm	M12-F03A-S-D6	163 003 521 3001
	6-8 mm	M12-F03A-S-D8	163 003 521 3002
4	4-6 mm	M12-F04A-S-D6	163 004 521 3001
	6-8 mm	M12-F04A-S-D8	163 004 521 3002
5	4-6 mm	M12-F05A-S-D6	163 005 521 3001
	6-8 mm	M12-F05A-S-D8	163 005 521 3002



Female angled connector,
metal locking system,solder
Recommended use



A-Code



Contacts	Cable outlet	Designation	Order No.
3	4-6 mm	M12-FST03A-S-D6	163 003 523 3500
	6-8 mm	M12-FST03A-S-D8	163 003 523 3503
4	4-6 mm	M12-FST04A-S-D6	163 004 523 3502
	6-8 mm	M12-FST04A-S-D8	163 004 523 3503
5	4-6 mm	M12-FST05A-S-D6	163 005 523 3502
	6-8 mm	M12-FST05A-S-D8	163 005 523 3503
8	4-6 mm	M12-FST08A-S-D6	163 008 523 3502
	6-8 mm	M12-FST08A-S-D8	163 008 523 3503

