

M12-A Circular Connector

30/60/125/250V 1.5/2/4A

Technical characteristics

	3-pole	4-pole	5-pole	8-pole	12-pole
Rated current (40°C)	4A	4A	4A	2A	1.5A
Rated voltage	250V	250V	125V	60V	30V
Rated impulse voltage	2500V	2500V	1500V	800V	800V
Pollution degree	3	3	3	3	3
Overvoltage categorie	II	II	II	II	II
Contact resistance	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
Connector locking system	screw M12x1	screw M12x1	screw M12x1	screw M12x1	screw M12x1
Termination	screw/solder	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.0.5mm ² max.AWG20)	max.0.25mm ² max.AWG24)
Cable outlet	4-6,6-8 mm	4-6,6-8 mm	4-6,6-8 mm	6-8 mm	6-8 mm
Degree of protection	IP67	IP67	IP67	IP67	IP67
Mechanical operation	> 100	> 100	> 100	> 100	> 100
Limiting temperature	-40°C ...+85°C	-40°C ...+85°C	-40°C ...+85°C	-40°C ...+85°C	-40°C ...+85°C
Material group	III	III	III	III	III
Material of contact	copper alloy	copper alloy	copper alloy	copper alloy	copper alloy
Contact plating	Au	Au	Au	Au	Au
Insulating material	PA	PA	PA	PA	PA
Material of housing	PA/PBT	PA/PBT	PA/PBT	PA/PBT	PA/PBT

Straight cable connectors

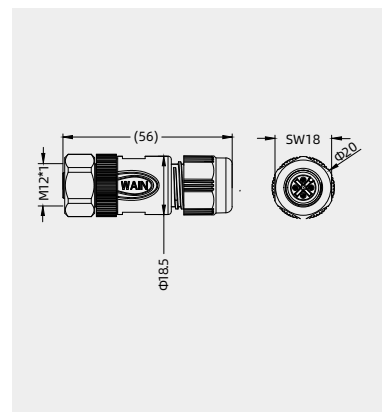
Female cable connector,
stainless steel locking system,
screw clamp connection,



A-Code



Contacts	Cable outlet	Designation	Order No.
3	4-6 mm	M12S-F03A-T-D6	163 003 424 1001
	6-8 mm	M12S-F03A-T-D8	163 003 424 1002
4	4-6 mm	M12S-F04A-T-D6	163 004 421 3201
	6-8 mm	M12S-F04A-T-D8	163 004 421 3202
5	4-6 mm	M12S-F05A-T-D6	163 005 421 3201
	6-8 mm	M12S-F05A-T-D8	163 005 421 3202
8	6-8 mm	M12S-F08A-T-D8	163 008 421 3202



M12-A

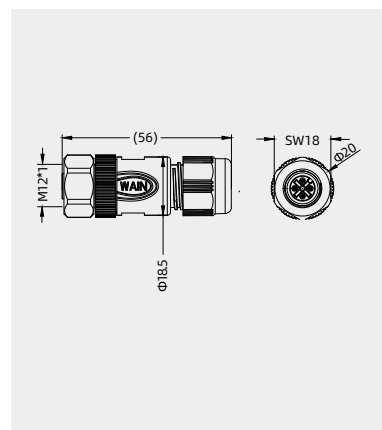
Female cable connector,
stainless steel locking system,solder



A-Code



Contacts	Cable outlet	Designation	Order No.
3	4-6 mm	M12S-FST03A-T-D6	163 003 423 3502
	6-8 mm	M12S-FST03A-T-D8	163 003 423 3503
4	4-6 mm	M12S-FST04A-T-D6	163 004 423 3502
	6-8 mm	M12S-FST04A-T-D8	163 004 423 3503
5	4-6 mm	M12S-FST05A-T-D6	163 005 423 3502
	6-8 mm	M12S-FST05A-T-D8	163 005 423 3503
8	4-6 mm	M12S-FST08A-T-D6	163 008 423 3509
	6-8 mm	M12S-FST08A-T-D8	163 008 423 3504
12	6-8 mm	M12S-FST12A-T-D8	163 012 423 3004



Hexagonal driver



Description	Designation	Order No.
for 8 pin screw clamp connection	SW-1.27*47	198 001 003 0016