

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

Male cable connector, plastic

locking

system, screw clamp connection



A-Code



Male cable connector, plastic

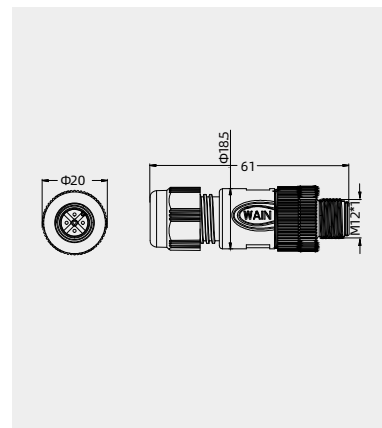
locking system, solder



A-Code

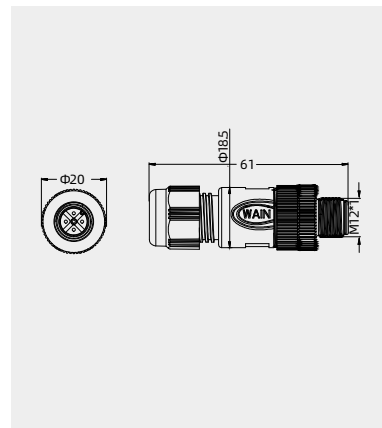


Contacts	Cable outlet	Designation	Order No.
3	4-6 mm	M12P-M03A-T-D6	163 003 411 3101
	6-8 mm	M12P-M03A-T-D8	163 003 411 3102
4	4-6 mm	M12P-M04A-T-D6	163 004 411 3101
	6-8 mm	M12P-M04A-T-D8	163 004 411 3102
5	4-6 mm	M12P-M05A-T-D6	163 005 411 3101
	6-8 mm	M12P-M05A-T-D8	163 005 411 3102
8	6-8 mm	M12P-M08A-T-D8	163 008 401 3003



M12-A

Contacts	Cable outlet	Designation	Order No.
3	4-6 mm	M12P-MST03A-T-D6	163 003 413 3500
	6-8 mm	M12P-MST03A-T-D8	163 003 413 3501
4	4-6 mm	M12P-MST04A-T-D6	163 004 413 3502
	6-8 mm	M12P-MST04A-T-D8	163 004 413 3503
5	4-6 mm	M12P-MST05A-T-D6	163 005 413 3500
	6-8 mm	M12P-MST05A-T-D8	163 005 413 3501
8	4-6 mm	M12P-MST08A-T-D6	163 008 413 3502
	6-8 mm	M12P-MST08A-T-D8	163 008 413 3503
12	6-8 mm	M12P-MST12A-T-D8	163 012 413 3003



Hexagonal driver



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