

M12-A Circular Connector

60/125/250V 2/4A

Technical characteristics

	4-pole	5-pole	8-pole
Rated current (40°C)	4A	4A	2A
Rated voltage	250(125)V	125V	60V
Rated impulse voltage	2500V	1500V	800V
Pollution degree	3	3	3
Overvoltage categorie	II	II	II
Contact resistance	≤ 10 mΩ	≤ 10 mΩ	≤ 10 mΩ
Connector locking system	screw M12x1	screw M12x1	screw M12x1
Termination	screw/solder	screw/solder	screw/solder
Wire gauge	max.0.75mm ² (max.AWG18)	max.0.75mm ² (max.AWG18)	max.0.5mm ² (max.AWG20)
Cable outlet	-	-	-
Degree of protection	IP67	IP67	IP67
Mechanical operation	> 100	> 100	> 100
Limiting temperature	-40°C ...+85°C	-40°C ...+85°C	-40°C ...+85°C
Material group	III	III	III
Material of contact	copper alloy	copper alloy	copper alloy
Contact plating	Au	Au	Au
Insulating material	PA	PA	PA
Material of housing	PA/PBT	PA/PBT	PA/PBT

Straight cable duo connectors

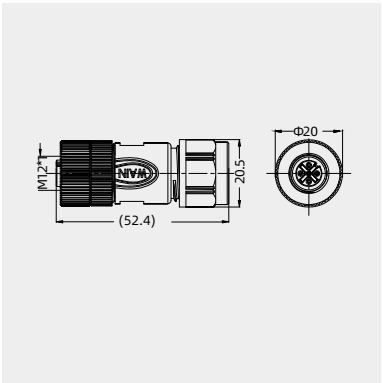
Female cable duo connector,
metal locking system,
screw clamp connection



A-Code



Contacts	Cable outlet	Designation	Order No.
4	2(2.1-3 mm or4-5 mm)	M12-F04A-T-2D5	163 004 421 3105
5	2(2.1-3 mm or4-5 mm)	M12-F05A-T-2D5	163 005 421 3105
8	2(2.1-3 mm or4-5 mm)	M12-F08A-T-2D5	163 008 424 1001



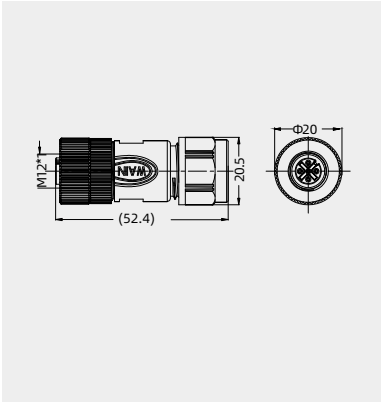
Female cable duo connector,
metal locking system,solder



A-Code



Contacts	Cable outlet	Designation	Order No.
4	2(2.1-3 mm or4-5 mm)	M12-FST04A-T-2D5	163 004 423 3506
5	2(2.1-3 mm or4-5 mm)	M12-FST05A-T-2D5	163 005 423 3506
8	2(2.1-3 mm or4-5 mm)	M12-FST08A-T-2D5	163 008 423 3507



Hexagonal driver



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