

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

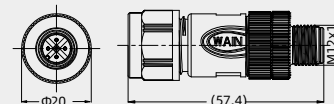
Male cable duo connector,
metal locking system,
screw clamp connection



A-Code



Contacts	Cable outlet	Designation	Order No.
4	2(2.1-3 mm or 4-5 mm)	M12-M04A-T-2D5	163 004 411 3004
5	2(2.1-3 mm or 4-5 mm)	M12-M05A-T-2D5	163 005 411 3004
8	2(2.1-3 mm or 4-5 mm)	M12-M08A-T-2D5	163 008 411 3004



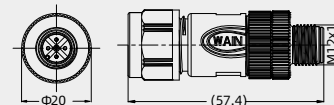
Male cable duo connector,
metal locking system, solder



A-Code



Contacts	Cable outlet	Designation	Order No.
4	2(2.1-3 mm or 4-5 mm)	M12-MST04A-T-2D5	163 004 413 3508
5	2(2.1-3 mm or 4-5 mm)	M12-MST05A-T-2D5	163 005 413 3506
8	2(2.1-3 mm or 4-5 mm)	M12-MST08A-T-2D5	163 008 413 3508



Hexagonal driver



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