

M12-X Circular Connector

50V/60V 0.5A

Technical characteristics

Number of contacts	8
Rated current (40°C)	0.5A
Rated voltage	50V a.c / 60V d.c
Rated impulse voltage	0.8kV
Pollution degree	3
Contact resistance	≤ 10 mΩ
Insulation resistance	≥ 10 mΩ
Connector locking system	screw M12x1
Wire gauge	0.14mm ² (AWG 26)
Degree of protection	IP67
Mechanical operation	≥ 100
Limiting temperature	-40°C ...+85°C
Material of contact	copper alloy
Contact plating	Au
Insulating material	PA
Material of housing	zinc diecasting nickel plated

Straight cable connectors

Female cable connector, Cat.6a

Order crimp contacts separately



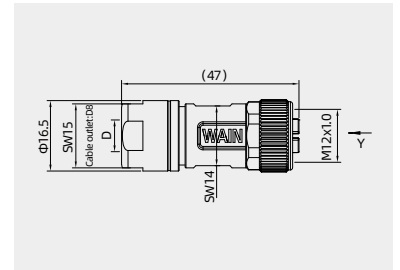
X-Code



8pin

Contacts	Cable outlet	Designation	Order No.
----------	--------------	-------------	-----------

8	6-8mm	M12-FC08X-T-D8-SH	163 008 020 0001
---	-------	-------------------	------------------



Female cable connector, Cat.6a

Order crimp contacts separately



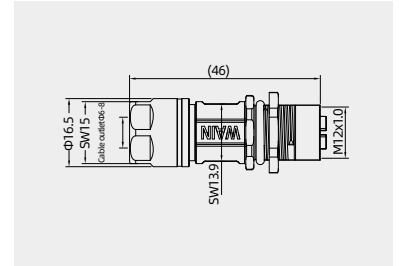
X-Code



8pin

Contacts	Cable outlet	Designation	Order No.
----------	--------------	-------------	-----------

8	6-8mm	M12-FC08X-CCT/R-M16-D8-SH	163 008 720 2001
---	-------	---------------------------	------------------

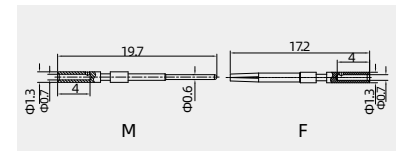


Crimp contacts

Crimp contacts 5A

Contact resistance ≤ 3mΩ
gold plated

Wire gauge(mm ²)	Male	Order No.
0.09-0.25	M12-MC0.5G-0.25	101 038 210 0101
Wire gauge(mm ²)	Female	Order No.
0.09-0.25	M12-FC0.5G-0.25	101 038 220 0101



Detail please find the crimp contacts series

Tools

Crimping tool



Wire gauge	Designation	Order No.
0.09-0.25mm ²	TL27	198 001 001 0037

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.