

M12-D Circular Connector

250V 4A

Technical characteristics

Number of contacts	4
Rated current (40°C)	4A
Rated voltage	250V
Rated impulse voltage	2500V
Pollution degree	3
Overvoltage categorie	II
Contact resistance	≤ 10 mΩ
Connector locking system	screw M12x1
Termination	screw, crimp
Wire gauge	max.0.75mm ² (max.AWG18), max.0.82mm²(max.AWG18)
Cable outlet	4-6mm, 6-8mm
Degree of protection	IP67
Mechanical operation	> 100
Limiting temperature	-40°C ... +85°C
Material group	II
Material of contact	copper alloy
Contact plating	Au
Insulating material	PA
Material of housing	zinc diecasting nickel plated

Straight cable connectors, shielded

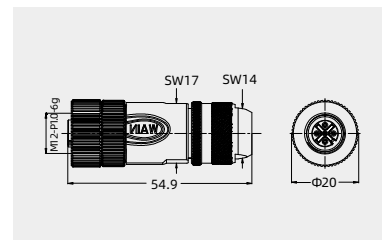
Female cable connector, shielded,

Cat.5e Screw terminal,
with shielding ring**Recommended use**

D-Code



Contacts	Cable outlet	Designation	Order No.
4	4-6 mm	M12-F04D-T-D6-SH	163 204 421 2001
	6-8 mm	M12-F04D-T-D8-SH	163 204 421 2002
	8-10 mm	M12-F04D-T-D10-SH	163 004 421 2500



Female cable connector, shielded,

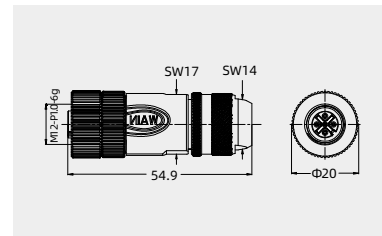
Cat.5e Crimp terminal,
with shielding ring

Order crimp contacts separately

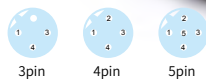
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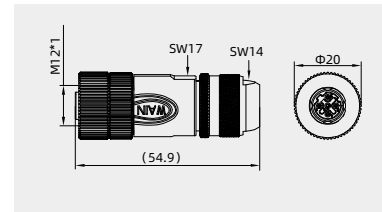
Contacts	Cable outlet	Designation	Order No.
4	4-6 mm	M12-FC04D-T-D6-SH	163 004 020 2001
	6-8 mm	M12-FC04D-T-D8-SH	163 004 020 2002
	8-10 mm	M12-FC04D-T-D10-SH	163 004 421 2501

Male cable connector, shielded,
solder

D-Code



Contacts	Cable outlet	Designation	Order No.
3	4-6 mm	M12-FST03D-T-D6-SH	163 003 423 2504
	6-8 mm	M12-FST03D-T-D8-SH	163 003 423 2505
4	4-6 mm	M12-FST04D-T-D6-SH	163 004 423 2503
	6-8 mm	M12-FST04D-T-D8-SH	163 004 423 2504
5	4-6 mm	M12-FST05D-T-D6-SH	163 005 423 2502
	6-8 mm	M12-FST05D-T-D8-SH	163 005 423 2503

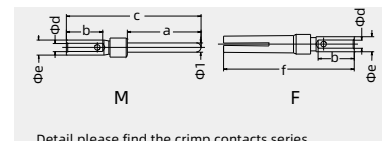


Crimp contacts

Crimp contacts 5A

Contact resistance ≤ 3mΩ
gold plated

Wire gauge(mm ²)	Male	Order No.	Female	Order No.
0.09-0.25	CSGM-0.25	101 014 210 0101	CSGF-0.25	101 014 220 0101
0.13-0.33	CSGM-0.33	101 014 210 0201	CSGF-0.33	101 014 220 0201
0.33-0.52	CSGM-0.52	101 014 210 0501	CSGF-0.52	101 014 220 0501
0.52-0.82	CSGM-0.82	101 014 210 0701	CSGF-0.82	101 014 220 0701



Detail please find the crimp contacts series

Tools

Crimping tool



Wire gauge	Designation	Order No.
0.09-0.82mm ²	TL03	198 001 001 0002

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

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