

7/8 Circular Connector

300V 12/9A

Technical characteristics

Number of contacts	3 (2+PE)	4 (3+PE)	5 (4+PE)
Rated current (40°C)	12A	9A	9A
Rated voltage	300V	300V	300V
Rated impulse voltage	4000V	4000V	4000V
Pollution degree	3	3	3
Overvoltage categorie	III	III	III
Contact resistance	≤ 3 mΩ	≤ 3 mΩ	≤ 3 mΩ
Connector locking system	screw7/8-16UN	screw7/8-16UN	screw7/8-16UN
Termination	screw	screw	screw
Wire gauge	max.1.5mm ² (max.AWG16)	max.1.5mm ² (max.AWG16)	max.1.5mm ² (max.AWG16)
Cable outlet	6-8,8-10,10-12mm	6-8,8-10,10-12mm	6-8,8-10,10-12mm
Degree of protection	IP67	IP67	IP67
Mechanical operation	> 100	> 100	> 100
Limiting temperature	-25°C ...+85°C	-25°C ...+85°C	-25°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	PA	PA

Straight cable connectors

Female cable connector, metal locking system, screw clamp connection

Recommended use



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Contacts	Cable outlet	Designation	Order No.
3 (2+PE)	6-8 mm	7/8-F03-T-D8	168 003 421 3001
	8-10 mm	7/8-F03-T-D10	168 003 421 3002
	10-12mm	7/8-F03-T-D12	168 003 421 3003
4 (3+PE)	6-8 mm	7/8-F04-T-D8	168 004 421 3002
	8-10 mm	7/8-F04-T-D10	168 004 421 3001
	10-12mm	7/8-F04-T-D12	168 004 421 3003
5 (4+PE)	6-8 mm	7/8-F05-T-D8	168 005 421 3003
	8-10 mm	7/8-F05-T-D10	168 005 421 3001
	10-12mm	7/8-F05-T-D12	168 005 421 3002

