

7/8 Circular Connector

300V 10/8A

Technical characteristics

Number of contacts	3 (2+PE)	4 (3+PE)	5 (4+PE)
Rated current (40°C)	10A	8A	8A
Rated voltage	300V	300V	300V
Rated impulse voltage	2500V	2500V	2500V
Pollution degree	3	3	3
Overvoltage categorie	III	III	III
Contact resistance	≤ 3 mΩ	≤ 3 mΩ	≤ 3 mΩ
Connector locking system	screw 7/8-16UN	screw 7/8-16UN	screw 7/8-16UN
Termination	single wires	single wires	single wires
Wire gauge	max.1.5mm ² (max.AWG16)	max.1.5mm ² (max.AWG16)	max.1.5mm ² (max.AWG16)
Cable outlet	-	-	-
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	II	II	II
Material of contact	copper alloy	copper alloy	copper alloy
Contact plating	Au	Au	Au
Insulating material	TPU	TPU	TPU
Material of housing	brass nickel plated	brass nickel plated	brass nickel plated

Socket

Male panel mount connector

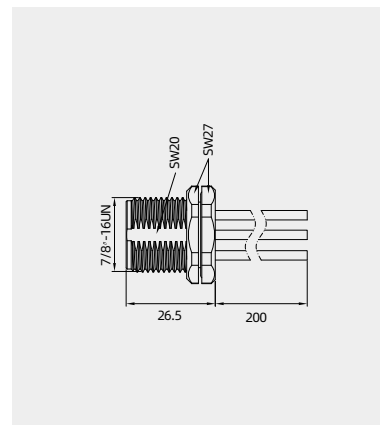
with single wires,
0.82mm², MAX.1.5mm²
length 0.2m
font fastened



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Contacts	screw	Designation	Order No.
3 (2+PE)	7/8-16UN	7/8-M03-BKR-7/8-W0.82	168 003 301 4004
4 (3+PE)	7/8-16UN	7/8-M04-BKR-7/8-W0.82	168 004 301 4004
5 (4+PE)	7/8-16UN	7/8-M05-BKR-7/8-W0.82	168 005 301 4004



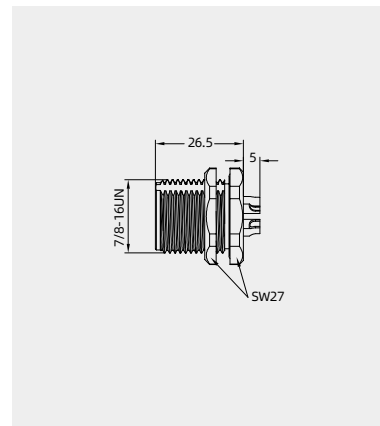
Customized cable length upon request

Male panel mount connector, solder
font fastened

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Contacts	screw	Designation	Order No.
3 (2+PE)	7/8-16UN	7/8-M03-BKR-7/8-C	168 003 313 1503
4 (3+PE)	7/8-16UN	7/8-M04-BKR-7/8-C	168 004 313 1502
5 (4+PE)	7/8-16UN	7/8-M05-BKR-7/8-C	168 005 313 1502



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