

M8-Receptacle Connectors In Accordance With IEC 61076-2-104

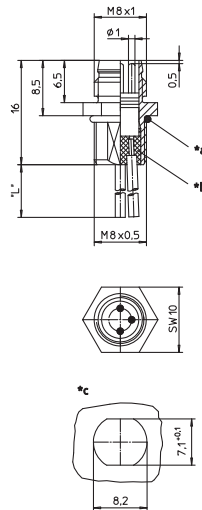
RSMF/0.5 M | RKMf/0.5 M



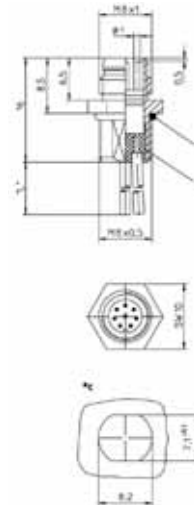
Male, 3-, 4-, and 8-Pole

Receptacle connector, M8 male connector for front mounting, assembled stranded wire, solder contacts potted with epoxy, chassis side thread M8 x 0.5 (panel nut RSKF 8).

RSMF 3/0.5 M



RSMF 8/0.5 M



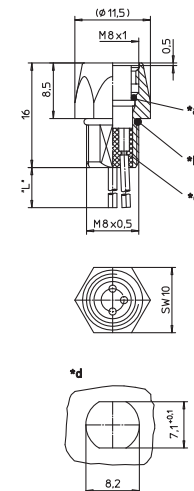
*a O-ring enclosed separately
*b solder contacts potted with epoxy
*c cut out
*L 0.5 m



Female, 3-, 4-, and 8-Pole

Receptacle connector, M8 female connector for front mounting, assembled stranded wire, solder contacts potted with epoxy, chassis side thread M8 x 0.5 (panel nut RSKF 8).

RKMf/0.5 M

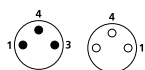


*a O-Ring
*b O-ring enclosed separately
*c solder contacts potted with epoxy
*d cut out
*L 0.5 m

Pin Assignments

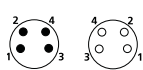
Face Views

M8 - 3 poles



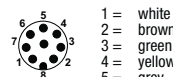
1 = brown
2 = blue
4 = black

M8 - 4 poles



1 = brown
2 = white
3 = blue
4 = black

M8 - 8 poles



1 = white
2 = brown
3 = green
4 = yellow
5 = grey
6 = pink
7 = blue
8 = red



Be Certain with Belden

M8-Receptacle Connectors In Accordance With IEC 61076-2-104

RSMF/0.5 M | RKMF/0.5 M

Technical Data

Environmental

Degree of protection	IP 67 / NEMA 6P
Operating temperature range	-25°C (-13°F) / +80°C (+176°F)

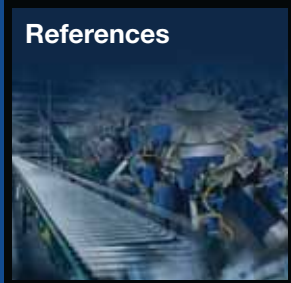
Mechanical

Housing / Molded body	CuZn, nickel-plated
Insert	PA
Contact	CuZn, pre-nickel and 0.8 microns gold-plated
O-ring	FKM

Electrical

Contact resistance	RSMF: $\leq 5 \text{ m}\Omega$
Nominal current at 40°C	RSMF 8: 1 A RSMF: 4 A
Nominal voltage	60 V RSMF 8: 32 V
Test voltage	1.5 kV eff. / 60 s RSMF 8: 0.8 kV eff. / 60 s
Insulation resistance	$> 10^9 \Omega$
Pollution degree	3

Part Number	Pins	Characteristics
RSMF 3/0,5 M RKMF 3/0,5 M	3	 
RSMF 4/0,5 M RKMF 4/0,5 M	4	 
RSMF 8/0,5 M	8	 



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Part Number Configurations: Pico M8, Receptacles and Field Attachable Connectors

RSMF 3 / 0.5M

Poles	Panel Mount	Mounting	Threads	Voltage Rating	Color Code	Female Straight	Male Straight	Pins	Lead Length
3	Rear	PCB	M10 x 1	60 V	IEC	RKMHL	RSMHL	3/S 5.5	
4	Rear	PCB	M10 x 1	60 V	IEC	RKMHL	RSMHL	4/S 5.5	
3	Front		M8 x 0.5	60 V	IEC	RKMF	RSMF	3	0.5 M
4	Front		M8 x 0.5	60 V	IEC	RKMF	RSMF	4	0.5 M
8	Front		M8 x 0.5	32 V	IEC		RSMF	8	0.5 M

Table 14: Part Number Configurations for Pico M8 Receptacles

EXAMPLE: Receptacle

RSMF 3/0.5M = Pico M8, Receptacle, Male Straight, 3 Pins with 0.5 meter leads.

NOTE: Areas without a part number identifier are considered to be a special order.

RKMC 4

Poles	Screw Joint	Male Straight Solder Connections	Male 90° Solder Connections	Male Straight Screw Terminals	Female Straight Solder Connections	Female 90° Solder Connections	Female Straight Screw Terminals	Pins
3	Ø 3.5 - 5.0 mm	RSMC	RSMCW	RSMCK	RKMC	RKMCW	RKMCK	3
4	Ø 3.5 - 5.0 mm	RSMC	RSMCW	RSMCK	RKMC	RKMCW	RKMCK	4

Table 15: Part Number Configurations for Pico M8 Field Attachable Connectors

EXAMPLE: Field Attachable Connector

RKMC 4 = Pico M8, Field Attachable Connector, Female Straight with Ø 3.5 - 5.0 mm Screw Joint.

NOTE: Areas without a part number identifier are considered to be a special order.