

M12-Receptacle Connectors In Accordance With IEC 61076-2-101

PRSFM/0.5 M | PRKFM/0.5 M

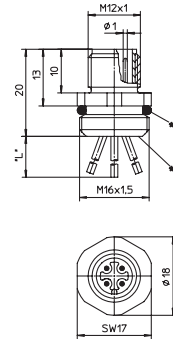


Male, 4-, 5- and 8-Pole

M12 Receptacle connector, M12 male connector for front mounting, housing of stainless steel, assembled stranded wire, solder contacts potted with epoxy, chassis side thread M16 x 1.5 (panel nut RSKFM 16)

– especially designed for use in food processing equipment –

PRSFM/0.5 M



*a O-ring enclosed separately

*b solder contacts potted with epoxy

L 0.5 m

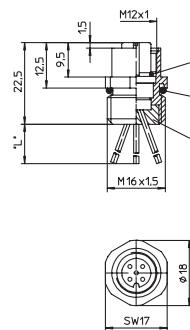


Female, 4-, 5- and 8-Pole

M12 Receptacle connector, M12 female connector for front mounting, housing of stainless steel, assembled stranded wire, solder contacts potted with epoxy, chassis side thread M16 x 1.5 (panel nut RSKFM 16)

– especially designed for use in food processing equipment –

PRKFM/0.5 M



*a O-Ring

*b O-ring enclosed separately

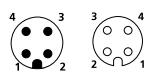
*c solder contacts potted with epoxy

L 0.5 m

Pin Assignments

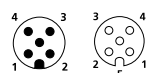
Face Views / M12, Male / Female

4 pole



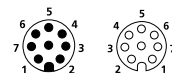
1 = brown
2 = white
3 = blue
4 = black

5 pole



1 = brown
2 = white
3 = blue
4 = black
5 = green/yellow

8 pole



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



Be Certain with Belden

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PRSFM/0.5 M | PRKFM/0.5 M

Technical Data

Environmental







Degree of protection IP 67 / NEMA 6P
Operating temperature range -25°C (-13°F) / +70°C (+158°F)

Mechanical

Housing / Molded body stainless steel
Insert PBT
Contact CuZn, pre-nickel and 0.8 microns gold-plated
O-ring EPDM

Electrical

Contact resistance $\leq 5 \text{ m}\Omega$
Nominal current at 40°C
4–5 poles 4 A
8 poles 2 A
Nominal voltage
4 poles 240 V
5 poles 60 V
8 poles 30 V
Rated voltage
4 poles 250 V
5 poles 63 V
8 poles 36 V
Test voltage
4 poles 2.0 kV eff. / 60 s
5–8 poles 1.5 kV eff. / 60 s
Insulation resistance $> 10^9 \Omega$
Pollution degree 3

Part Number		Pins	Lead (mm ²)	Characteristics
PRSFM 4/0,5 M	PRKFM 4/0,5 M	4	0.34 (22 AWG)	 
PRSFM 5/0,5 M	PRKFM 5/0,5 M	5	1 x 0.5 / 4 x AWG 22	 
PRSFM 8/0,5 M	PRKFM 8/0,5 M	8	0.22 (24 AWG)	 

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[PRSFM 5/0,5 M](#) [PRSFM 8/0,5 M](#) [PRSFM 4/0,5 M](#) [PRKFM 5/0,5 M](#) [PRKFM 8/0,5 M](#) [PRKFM 4/0,5 M](#)