

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

RSFPM.../0.5 M | RKFPM.../0.5 M



Male, 3-, 4-, 5- and 8-Pole

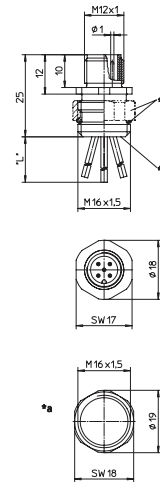
M12 Receptacle connector, combined FIXCON/ M12 male connector for front mounting, adjustable, assembled stranded wire, solder contacts potted with epoxy, chassis side thread M16 x 1.5.



Female, 3-, 4-, 5- and 8-Pole

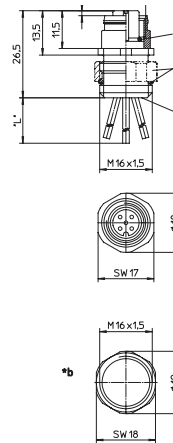
M12 Receptacle connector, combined FIXCON/ M12 female connector for front mounting, adjustable, assembled stranded wire, solder contacts potted with epoxy, chassis side thread M16 x 1.5.

RSFPM.../0.5 M



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

RKFPM.../0.5 M

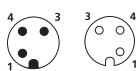


*a O-ring enclosed separately
*b solder contacts potted with epoxy
L*0.5 m

Pin Assignments

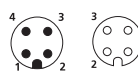
Face Views / M12, Male / Female

3 pole



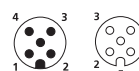
1 = brown
3 = blue
4 = black

4 pole



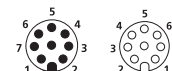
1 = brown
2 = white
3 = blue
4 = black

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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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 8 poles TPU
 CuZn, pre-nickel and 0.8 microns gold-plated
 O-ring FKM
 RSFM.../20: Neoprene

Electrical

Contact resistance ≤ 5 mΩ
 Nominal current at 40°C 3-5 poles 4 A
 8 poles 1,5 A
 Nominal voltage 3-4 poles 240 V
 5 poles 60 V
 poles 30 V
 Rated voltage 3-4 poles 250 V
 5 poles 63 V
 8 poles 36 V
 Test voltage 3-4 poles 2.0 kV eff. / 60 s
 5-8 poles 1.5 kV eff. / 60 s
 Insulation resistance > 10⁹ Ω
 Pollution degree 3

Part Number	Pins	Lead (mm ²)	Characteristics
RSFPM 3/0,5 M RKFPM 4-3/0,5 M	3	0.34	
RSFPM 4/0,5 M RKFPM 4/0,5 M	4	0.34	
RSFPM 5/0,5 M RKFPM 5/0,5 M	5	4 x 0.34 / 1 x 0.50	
RSFPM 8/0,5 M RKFPM 8/0,5 M	8	0.25	