

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

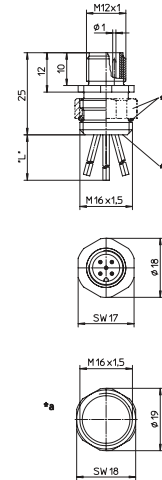
RSFPM.../0.5 M | RKFPM.../0.5 M



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.

RSFPM.../0.5 M

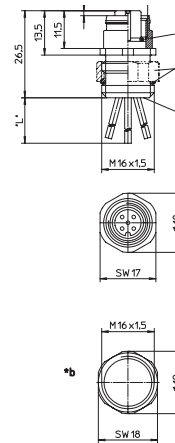


*a O-ring enclosed separately
*b solder contacts potted with epoxy
*L*0.5 m

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.

RKFPM.../0.5 M

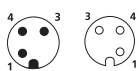


*a O-ring enclosed separately
*b solder contacts potted with epoxy
*L*0.5 m

Pin Assignments

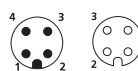
Face Views / M12, Male / Female

3 pole



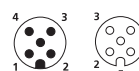
1 = brown
3 = blue
4 = black

4 pole



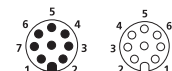
1 = brown
2 = white
3 = blue
4 = black

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

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

RSFPM.../0.5 M | RKFPM.../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
8 poles TPU
Contact CuZn, pre-nickel and 0.8 microns gold-plated
O-ring FKM
RSFM.../20: Neoprene

Electrical

Contact resistance $\leq 5 \text{ m}\Omega$
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 $> 10^9 \Omega$
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	 

Mouser Electronics

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Lumberg Automation:

[RKFPM 4/0,5 M](#) [RKFPM 4-3/0,5 M](#) [RKFPM 5/0,5 M](#) [RKFPM 8/0,5 M](#)