

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

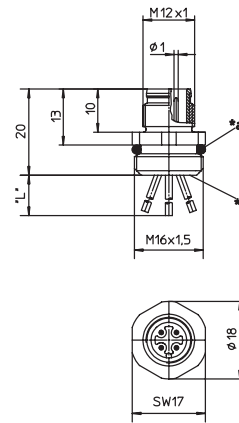
RSFM/0.5 M | RKFM/0.5 M



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

Receptacle connector, combined FIXCON/M12 male connector for front mounting, assembled stranded wire, solder contacts potted with epoxy, chassis side thread M16 x 1.5 (panel nut RSKFM 16).

RSFM/0.5 M



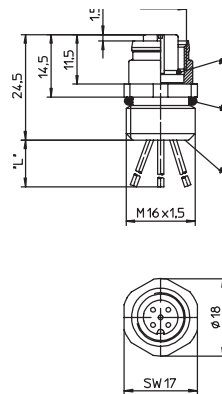
\*a O-ring enclosed separately  
\*b solder contacts potted with epoxy  
\*L\* 0,5 m



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

Receptacle connector, combined FIXCON/M12 female connector for front mounting, assembled stranded wire, solder contacts potted with epoxy, chassis side thread M16 x 1.5 (panel nut RSKFM 16).

RKFM/0.5 M

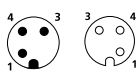


\*a O-Ring  
\*b O-ring enclosed separately  
\*c solder contacts potted with epoxy

### Pin Assignments

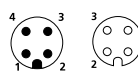
Face Views / M12, Male / Female

#### 3 pole



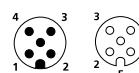
1 = brown  
3 = blue  
4 = black

#### 4 pole



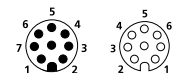
1 = brown  
2 = white  
3 = blue  
4 = black

#### 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**  
 RSFM/0.5 M | RKFM/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

**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 > 10<sup>9</sup> Ω  
 Pollution degree 3

Part Number		Pins	Leads (mm <sup>2</sup> )	Characteristics
RSFM 3/0.5 M	RKFM 4-3/0.5 M	3	0.34	 
RSFM 4/0.5 M	RKFM 4/0.5 M	4	0.34	 
RSFM 5/0.5 M	RKFM 5/0.5 M	5	4 x 0.34 / 1 x 0.50	 
RSFM 8/0.5 M	RKFM 8/0.5 M	8	0.25	 

Receptacles