

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

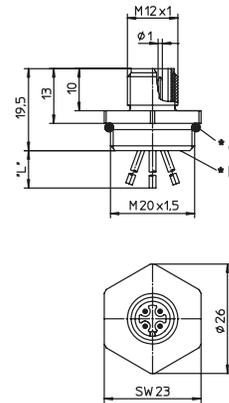
RSFM.../20/0.5 M | RSKFM.../20/0.5 M



**Male, 3- and 4-Pole**

M12 Receptacle connector, combined FIXCON/ M12 male connector for front mounting, assembled stranded wire, solder contacts potted with epoxy, chassis side thread M20 x 1.5 (panel nut RSKFM 20).

RSFM.../20/0.5 M



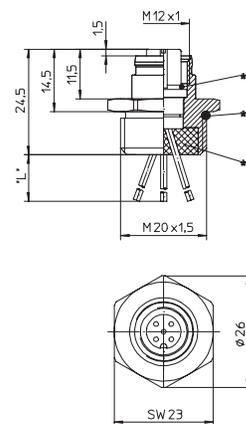
\*a O-ring enclosed separately  
\*b solder contacts potted with epoxy  
\*L\*0.5 m



**M12 Female, 3-, 4-, and 5-Pole**

M12 Receptacle connector, combined FIXCON/ M12 female connector for front mounting, assembled stranded wire, solder contacts potted with epoxy, chassis side thread M20 x 1.5 (panel nut RSKFM 20).

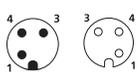
RSKFM.../20/0.5 M



**Pin Assignments**

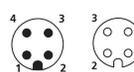
Face Views / M12, Male / Female

**3 pole**



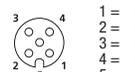
- 1 = brown
- 3 = blue
- 4 = black

**4 pole**



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

**5 pole**



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



Be Certain with Belden

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

RSFM.../20/0.5 M | RKFM.../20/0.5 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 8 poles TPU  
 CuZn, pre-nickeled 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	Lead (mm <sup>2</sup> )	Characteristics
RSFM 3/20/0.5 M	3	0.34	 
RSFM 4/20/0.5 M	4	0.34	 
RKFM 5/20/0.5 M	5	4 x 0.34 / 1 x 0.50	 

Receptacles