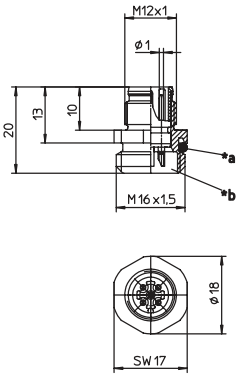
M12-Receptacle Connectors In Accordance With IEC 61076-2-101

RSFM | PRSFM

Male, 3-, 4- and 5-Pole

Receptacle connector, combined FIXCON/M12 male connector for front mounting, solder connections, chassis side thread M16 x 1.5 (panel nut RSKFM 16).

RSFM



*a O-ring enclosed separately

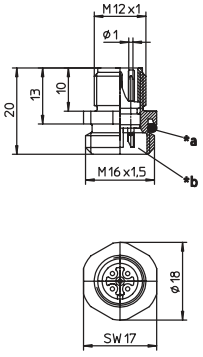
*b Attention!
To ensure mechanical stability and impermeability, the wire connections must be epoxy potted after cable assembly.

Male, 3-, 4- and 5-Pole

Receptacle connector, M12 male connector for front mounting, housing of stainless steel, solder connections, solder contacts not potted, chassis side thread M16 x 1.5 (panel nut RSKFM 16)

– especially designed for use in food processing equipment –.

PRSFM



*a O-ring enclosed separately

*b Attention!
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Pin Assignments

Face Views / M12

3 poles

4 poles

5 poles

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Technical Data

Environmental

Degree of protection	IP 67 / NEMA 6P
Operating temperature range	RSFM: -25°C (-13°F) / +80°C (+176°F) PRSFM: -25°C (-13°F) / +70°C (+158°F)

Mechanical

Housing / Molded body	RSFM: CuZn, nickel-plated PRSFM: stainless steel
Insert	RSFM: PA PRSFM: PBT
Contact	CuZn, pre-nickeled and 0.8 microns gold-plated
O-ring	RSFM: FKM PRSFM: EPDM

Electrical

Contact resistance	≤ 5 mΩ
Nominal current at 40°C	4 A
Nominal voltage	3–4 poles 240 V 5 poles 60 V Connection area must be epoxy potted.
Rated voltage	3–4 poles 250 V 5 poles 63 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 Ω
Pollution degree	3

Part Number	Pins	Characteristics
RSFM 3	**3**	
RSFM 4	**4**	
PRSFM 4		
RSFM 5	**5**	
PRSFM 5		