

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

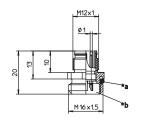
### RSFM I PRSFM



### 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.

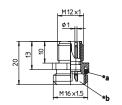


## Male, 3-, 4- and 5-Pole

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

## **Pin Assignments**

Face Views / M12

3 poles



4 poles



5 poles



# Be Certain with Belden



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

RSFM | PRSFM

#### **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

Insert

Housing / Molded body RSFM: CuZn, nickel-plated

PRSFM: stainless steel

RSFM: PA PRSFM: PBT

Contact CuZn, pre-nickeled and

0.8 microns gold-plated

0-ring RSFM: FKM

PRSFM: EPDM

**Electrical** 

 $\begin{array}{ll} \mbox{Contact resistance} & \leq 5 \mbox{ m} \Omega \\ \mbox{Nominal current at 40°C} & 4 \mbox{ A} \\ \end{array}$ 

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

 $\begin{array}{ll} \text{Insulation resistance} & > 10^9 \, \Omega \\ \text{Pollution degree} & 3 \end{array}$ 

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