

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

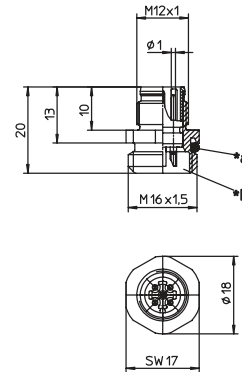
### RSFM | PRSFM



### 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.

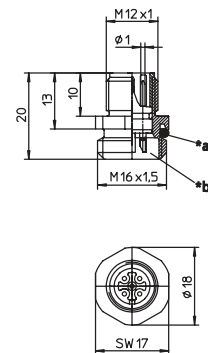


### Male, 3-, 4- and 5-Pole

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!  
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

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RSFM | PRSFM

### Technical Data

#### Environmental

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

#### Mechanical

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

#### Electrical

|                         |                                                                          |
|-------------------------|--------------------------------------------------------------------------|
| Contact resistance      | ≤ 5 mΩ                                                                   |
| Nominal current at 40°C | 4 A                                                                      |
| Nominal voltage         | 3–4 poles 240 V<br>5 poles 60 V<br>Connection area must be epoxy potted. |
| Rated voltage           | 3–4 poles 250 V<br>5 poles 63 V                                          |
| Test voltage            | 3–4 poles 2.0 kV eff. / 60 s<br>5–8 poles 1.5 kV eff. / 60 s             |
| Insulation resistance   | > 10 <sup>9</sup> Ω                                                      |
| Pollution degree        | 3                                                                        |

| Part Number | Pins | Characteristics                                                                                                                                                             |
|-------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RSFM 3      | 3    |   |
| RSFM 4      | 4    |   |
| PRSFM 4     |      |   |
| RSFM 5      | 5    |   |
| PRSFM 5     |      |   |