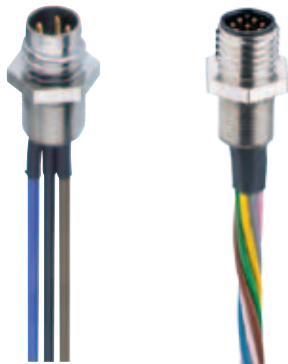


## M8-Receptacle Connectors In Accordance With IEC 61076-2-104

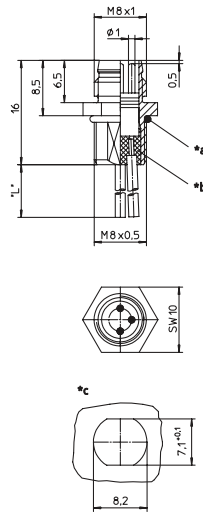
RSMF/0.5 M | RKMf/0.5 M



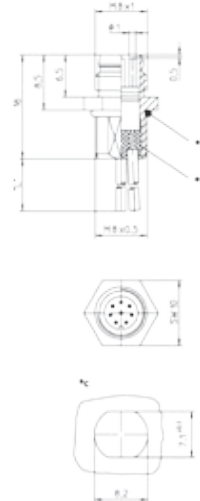
### Male, 3-, 4-, and 8-Pole

Receptacle connector, M8 male connector for front mounting, assembled stranded wire, solder contacts potted with epoxy, chassis side thread M8 x 0.5 (panel nut RSKF 8).

RSMF 3/0.5 M



RSMF 8/0.5 M



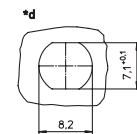
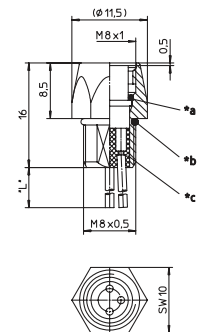
\*a O-ring enclosed separately  
\*b solder contacts potted with epoxy  
\*c cut out  
\*L\* 0.5 m



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

Receptacle connector, M8 female connector for front mounting, assembled stranded wire, solder contacts potted with epoxy, chassis side thread M8 x 0.5 (panel nut RSKF 8).

RKMf/0.5 M

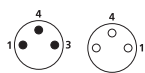


\*a O-Ring  
\*b O-ring enclosed separately  
\*c solder contacts potted with epoxy  
\*d cut out  
\*L\* 0.5 m

### Pin Assignments

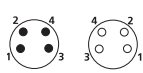
#### Face Views

##### M8 - 3 poles



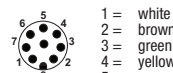
1 = brown  
2 = blue  
4 = black

##### M8 - 4 poles



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

##### M8 - 8 poles



1 = white  
2 = brown  
3 = green  
4 = yellow  
5 = grey  
6 = pink  
7 = blue  
8 = red



**M8-Receptacle Connectors In Accordance With IEC 61076-2-104**  
RSMF/0.5 M | RKMF/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 CuZn, pre-nickel-coated and 0.8 microns gold-plated  
O-ring FKM

**Electrical**

Contact resistance RSMF:  $\leq 5 \text{ m}\Omega$   
Nominal current at 40°C RSMF 8: 1 A  
RSMF: 4 A  
Nominal voltage 60 V  
RSMF 8: 32 V  
Test voltage 1.5 kV eff. / 60 s  
RSMF 8: 0.8 kV eff. / 60 s  
Insulation resistance  $> 10^9 \Omega$   
Pollution degree 3

| Part Number  |              | Pins | Characteristics                                                                                                                                                             |
|--------------|--------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RSMF 3/0,5 M | RKMF 3/0,5 M | 3    |   |
| RSMF 4/0,5 M | RKMF 4/0,5 M | 4    |   |
| RSMF 8/0,5 M |              | 8    |   |