

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

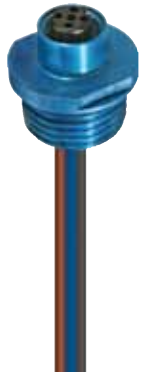
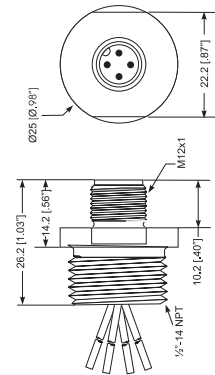
RSF 1/2-14 | RKF 1/2-14 | RKF 4-1/4NPT



### Male, 3-, 4-, 5- and 8-Pole

Receptacle, 3-, 4-, 5- and 8-pole, male, M12 for front mounting, 24 and 22 AWG, panel mount thread 1/2"-14 NPT.

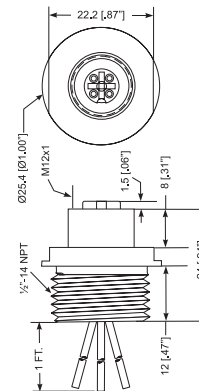
RSF 1/2-14



### Female, 3-, 4-, 5- and 8-Pole

Receptacle, 3-, 4-, 5- and 8-pole, female, M12 for front mounting, 24 and 22 AWG, panel mount thread 1/2"-14 NPT.

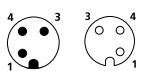
RKF 1/2-14



## Pin Assignments

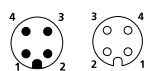
Face Views / M12, Male / Female

### 3 pole



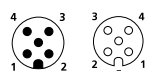
1 = brown  
2 = n.c.  
3 = blue  
4 = black

### 4 pole



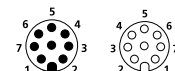
1 = brown  
2 = white  
3 = blue  
4 = black

### 5 pole



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

### 8 pole



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

Be Certain with Belden



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

RSF 1/2-14 | RKF 1/2-14 | RKF 4-1/4NPT

### Technical Data

#### Environmental

Degree of protection IP 67 / NEMA 6P  
Operating temperature range -25°C (-13°F) / +90°C (+194°F)

#### Mechanical

Housing Aluminum, blue anodized  
Insert PUR, black (female)  
3-, 4- and 5-Pole: Nylon, black (male),  
8-Pole: PUR, orange (male)  
Contact Brass, gold over nickel-plated  
Mounting 1/2" 14-NPT

#### Electrical

Nominal current 3-, 4- and 5-Pole: 4 A  
8-Pole: 1.5 A  
Voltage rating 3-, 4- and 5-Pole: 250 V  
8-pole: 30 V AC / 36 V DC

### Technical Data

#### Environmental

Degree of protection IP 68 / NEMA 6P  
Operating temperature range -25°C (-13°F) / +90°C (+194°F)

#### Materials

Shell Brass, nickel plated  
Contacts Copper alloy, gold over nickel plated  
Insert Polyurethane, black  
O-ring Viton  
Locknut Steel, zinc plated

#### Electrical

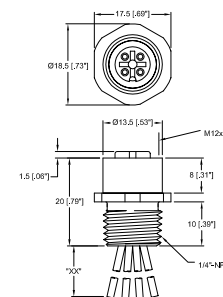
Current rating 4A  
Voltage rating 250 V

#### Wire Specifications

Conductors 22 AWG, stranded copper  
Wire insulation UL recognized 300 V, PVC insulation

### Male, 4-Pole

Receptacle, 4-pole, Female, M12  
for front mounting, 22 AWG, panel mount  
thread 1/4"-NPT.



RKF 4-1/4NPT

| Part Number                           | Pins | Lengths   | Characteristics |
|---------------------------------------|------|-----------|-----------------|
| RSF 3-1/2-14/0.5M RKF 4-3-1/2-14/0.5M | 3    | 0.5M      |                 |
| RSF 4-1/2-14/0.5M RKF 4-1/2-14/0.5M   | 4    | 0.5M / 1F |                 |
| RKF 4-1/4NPT/0.5M                     |      | 0.5M      |                 |
| RSF 5-1/2-14/0.5M RKF 5-1/2-14/0.5M   | 5    | 0.5M      |                 |
| RSF 8-1/2-14/0.5M RKF 8-1/2-14/0.5M   | 8    | 0.5M      |                 |

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