

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

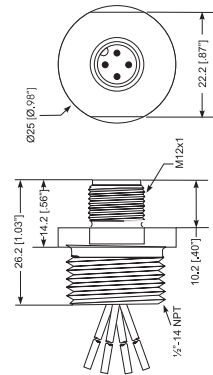
RSF 1/2-14 | RKF 1/2-14 | RKF 4-1/4NPT



### 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.

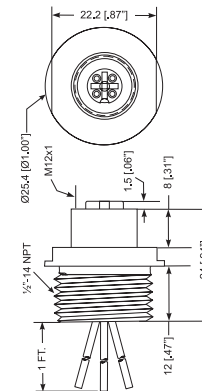
### RSF 1/2-14



### 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.

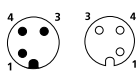
### RKF 1/2-14



### Pin Assignments

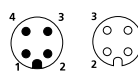
Face Views / M12, Male / Female

#### 3 pole



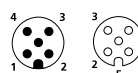
1 = brown  
2 = n.c.  
3 = blue  
4 = black

#### 4 pole



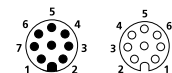
1 = brown  
2 = white  
3 = blue  
4 = black

#### 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**

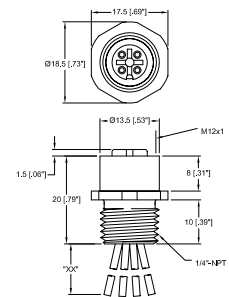
Current rating 4A  
 Voltage rating 250 V

**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	
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	