



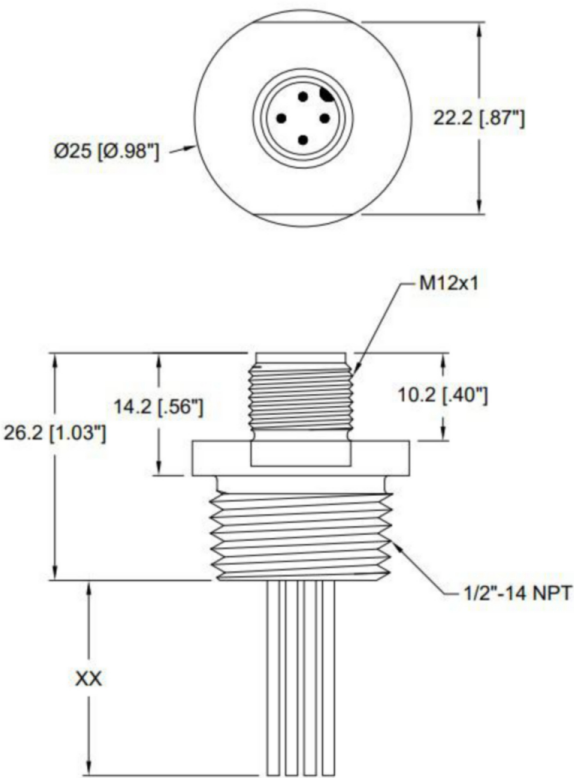
Product: [RSF 4-1/2-14](#)

M12 standard sensor/actuator receptacle connector, male 4-pin, front mounting, A-coding, 22 AWG, 4 stranded wires, panel mount thread 1/4" -NPT, 250 V AC/DC, 4 A

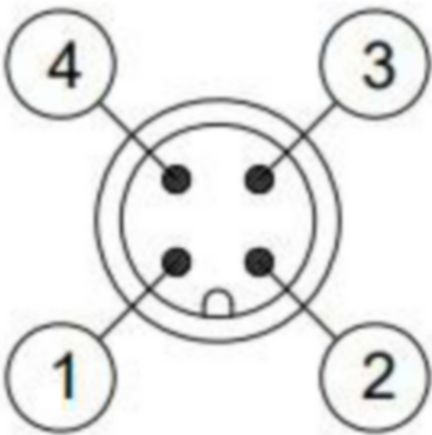
Product Description

M12 standard sensor/actuator receptacle connector, male 4-pin, front mounting, A-coding, 22 AWG, 4 stranded wires, panel mount thread 1/4" -NPT, 250 V AC/DC, 4 A

Technical Drawing



DIM'S ARE REF. ONLY



FACE VIEW MALE

COLOR CODE

- 1 - BROWN
- 2 - WHITE
- 3 - BLUE
- 4 - BLACK

Technical Specifications

Technical Data

| | |
|-----------------------------------|---|
| Product Family: | M12 Standard |
| Product Sub Family: | M12 Standard |
| Mating Side: | M12 |
| Connecting Side: | Stranded Wires |
| Brand: | Lumberg Automation |
| Connector Type: | Receptacle |
| Type of Contact / Gender: | Pin Contact / Male |
| Connector Design: | Front Mount |
| Number of Pins: | 4 |
| Coding: | A |
| Rated Voltage: | 250 V |
| Rated Voltage (UL): | 250 V |
| Operating Voltage: | 250 V |
| Rated Current*: | 4 A |
| Rated Current (UL)*: | 4 A |
| Contact Resistance: | ≤ 10 mOhm |
| Insulation Resistance: | > 10^9 Ohm |
| Mating Cycles: | ≤ 101 |
| Ambient Temperature (Operation)*: | -25°C (-13°F) / +90°C (+194°F) |
| Design Standard: | IEC 61076-2-101 |
| Pollution Degree: | 3 acc. to DIN EN 60664-1 (VDE 0110-1) |
| Clearance / Creepage Distance: | DIN EN 60664-1 (2008/01); VDE 0110-1 |
| Overvoltage Category: | III acc. to DIN EN 60664-1 (VDE 0110-1) |

Materials

| | |
|--------------------------------------|---------------------------------------|
| Contact Base Material: | Copper alloy, gold over nickel plated |
| Contact Plating: | Brass, Nickel Plated |
| Contact Bearer Material: | PUR |
| Contact Bearer Color: | Black |
| Flammability Class (Contact Bearer): | UL 94 HB |
| Housing Material: | Aluminum |
| Housing Plating: | Anodized |
| Housing Color: | Blue |
| Attachment Material: | Steel |
| Attachment Plating: | Zinc |
| O-Ring Material: | Viton |

Additional Technical Data

| | |
|--------------------------------|---------------------------------|
| Fastening Torque (Attachment): | M 12x1: (50-60) Ncm, hand-tight |
|--------------------------------|---------------------------------|

Cable Data

| | |
|---------------------------|---------------------------|
| Conductor Size: | 22 AWG |
| Number of Wires: | 4 |
| Conductor material: | Cu |
| Wire Insulation Material: | PVC |
| Core Colors: | Brown, White, Blue, Black |

Safety & Environmental Compliance

| | |
|-----------------|-----|
| RoHS Compliant: | yes |
|-----------------|-----|

Notes

| | |
|-------------------------------------|--|
| Note Derating: | * Notice derating |
| Protection Degree / IP Rating Note: | * only if mounted and locked in combination with Hirschmann / Lumberg connector. On the installation side tightness has to be assured by taking proper measures. |

Variants

| Item # | Item Description | Cable Length |
|-----------|-------------------|--------------|
| 600000011 | RSF 4-1/2-14/1F | 1 ft |
| 600000012 | RSF 4-1/2-14/6F | 6 ft |
| 600001367 | RSF 4-1/2-14/0.5M | 0.5 m |
| 600006745 | RSF 4-1/2-14/1M | 1 m |
| 600007397 | RSF 4-1/2-14/2M | 2 m |

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