



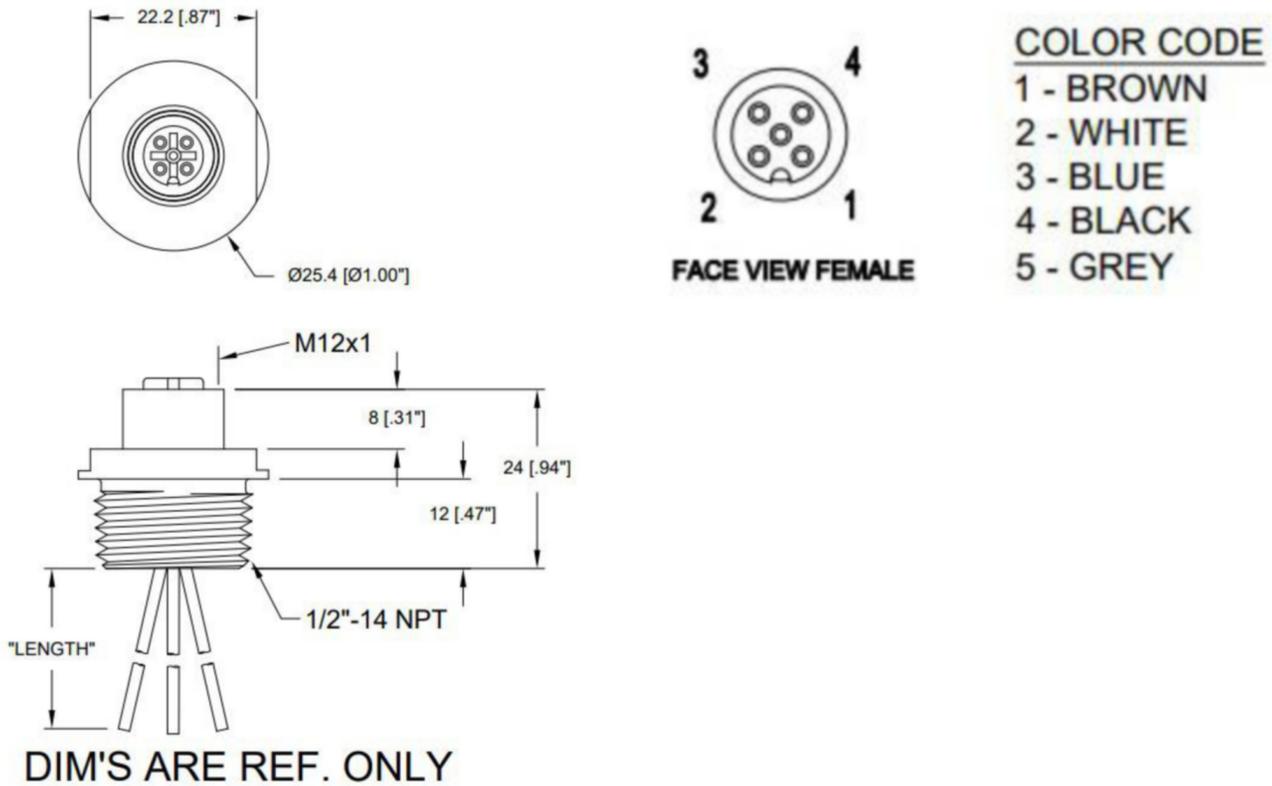
Product: [RKF 5-1/2-14](#)

M12 standard sensor/actuator receptacle connector, front mounting, female 5-pin, A-coding, 22 AWG, 5 stranded wires

Product Description

M12 standard sensor/actuator receptacle connector, front mounting, female 5-pin, A-coding, 22 AWG, 5 stranded wires

Technical Drawing



Technical Specifications

Technical Data

| | |
|---------------------------|------------------------------|
| Product Family: | Sensor / Actuator Connectors |
| Product Sub Family: | M12 Standard |
| Mating Side: | M12 |
| Connecting Side: | Stranded Wires |
| Brand: | Lumberg Automation |
| Connector Type: | Receptacle |
| Type of Contact / Gender: | Female |
| Connector Design: | Front Mount |
| Number of Pins: | 5 |

| | |
|-----------------------------------|---|
| 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: | ≤ 100 |
| Ambient Temperature (Operation)*: | -25°C (-13°F) / +90°C (+194°F) |
| Protection Degree / IP Rating**: | IP 67 |
| 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: | 5 |
| Conductor material: | Cu |
| Wire Insulation Material: | PVC |
| Core Colors: | Brown, White, Blue, Black, Grey |

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 |
|-----------|-------------------|--------------|
| 600000200 | RKF 5-1/2-14/0.5M | 0.5 m |
| 600004835 | RKF 5-1/2-14/2M | 2 m |
| 600005445 | RKF 5-1/2-14/3M | 3 m |
| 600005584 | RKF 5-1/2-14/4M | 4 m |
| 600005585 | RKF 5-1/2-14/5M | 5 m |
| 600005586 | RKF 5-1/2-14/6M | 6 m |
| 600005587 | RKF 5-1/2-14/8M | 8 m |
| 600005588 | RKF 5-1/2-14/10M | 10 m |

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