



Product: RST 4-RKT 4-251 ☑

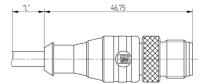
Sensor/Actuator Double-Ended Cordset: Male straight A-coded translucent 4-pin M12 Standard connector to female straight A-coded translucent 4-pin M12 Standard connector, 230 V AC/DC, 4 A; PUR orange cable, 4-wires, 0.34 mm²

Product Description

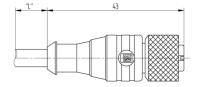
Sensor/Actuator Double-Ended Cordset: Male straight A-coded translucent 4-pin M12 Standard connector to female straight A-coded translucent 4-pin M12 Standard connector, 230 V AC/DC, 4 A; PUR orange cable, 4-wires, 0.34 mm²

Technical Drawing

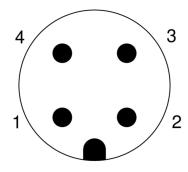




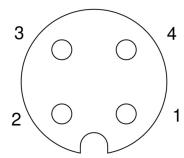




Male



Female

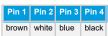


Technical Specifications

Face View Side 1



Face View Side 2



Product Description

| Product Family: | Sensor / Actuator Connectors |
|------------------------|------------------------------|
| Brand: | Lumberg Automation |
| Connector Type: | Cordset, double ended |
| Shielding: | Unshielded |
| Rated Voltage: | 250 V |
| Rated Voltage (UL): | 250 V AC |
| Rated Impulse Voltage: | 2.5 kV |
| Operating Voltage: | 230 V AC/DC |
| Rated Current*: | 4 A |
| Rated Current (UL)*: | 4 A |

Technical Data Side 1

| Product Sub Family: | M12 Standard | | |
|--------------------------------------|--|--|--|
| Type of Contact / Gender: | Male | | |
| Connector Design: | Straight | | |
| Attachment Type: | Coupling Screw | | |
| Number of Pins: | 4 | | |
| Coding: | A | | |
| Contact Resistance: | ≤ 10 mOhm | | |
| Insulation Resistance: | > 10^9 Ohm | | |
| Mating Cycles: | ≤ 100 | | |
| Ambient Temperature (Operation)*: | - 40 °C - + 90 °C | | |
| Operating Temperature (UL): | max. + 50 °C | | |
| Protection Degree / IP Rating**: | IP65, IP67, IP68 (1 m / 24 h), IP69K | | |
| Design Standard: | IEC 61076-2-101 | | |
| Pollution Degree: | 3 acc. to DIN EN 60664-1 (VDE 0110-1) | | |
| Overvoltage Category: | II acc. to DIN EN 60664-1 (VDE 0110-1) | | |
| Contact Base Material: | CuSn | | |
| Contact Plating: | Cu/Au | | |
| Contact Bearer Material: | TPU | | |
| Contact Bearer Color: | Orange | | |
| Flammability Class (Contact Bearer): | UL 94 HB | | |
| Molded Body Material: | TPU | | |
| Molded Body Color: | Translucent | | |
| Flammability Class (Molded Body): | UL 94 HB | | |
| Attachment Material: | CuZn | | |
| Attachment Plating: | Nickel-plated | | |
| Fastening Torque (Attachment): | M 12x1: (50-60) Ncm, hand-tight | | |
| Note: | Do not connect or disconnect under load. | | |

Cable Data

| Cable Number: | 251 |
|---|-------------------------|
| Conductor Size: | 0.34 mm ² |
| Number of Wires: | 4 |
| Minimal Bending Radius (Fixed Inst): | >5xD |
| Minimal Bending Radius (Flexible Inst): | >10 x D |
| Cycles (Bending): | >5 M |
| Cycles (Torsion): | > 5 M @ ± 360 °/1 m |
| Welding Resistance: | Welding spark resistant |
| Conductor material: | Cu |
| Cable Jacket Material: | PUR |
| Cable Jacket Color: | orange |
| Cable Diameter D: | ø 4.70 ± 0.15 mm |
| Wire Insulation Material: | PP |
| Insulated Wire Diameter: | ø 1.30 mm |

| Ambient Temperature (Fixed Installation): | - 50 °C - + 80 °C | |
|---|--|--|
| Ambient Temperature (Flex Installation): | - 25 °C - + 80 °C | |
| Ambient Temperature (Drag Chain Inst): | - 25 °C - + 60 °C | |
| UL Cable Type: | AWM: 20549 | |
| Flammability Class (Cable Jacket): | DIN EN 60332-2-2, VDE 0482-332-2-2, IEC 60332-2-2, CSA FT-2 | |
| Cable Characteristics: | Free of lacquer wetting disturbing substances; Good microbes and hydrolysis resistance; Mainly plasticizer diffusion free; Exclusion of PVC and silicone; Seatwater resistance; Coldness flexibility | |

Technical Data Side 2

| Product Sub Family, Side 2: | M12 Standard | |
|--|--|--|
| Type of Contact / Gender, Side 2: | Female | |
| Connector Design, Side 2: | Straight | |
| Attachment Type, Side 2: | Coupling Nut | |
| Number of Pins, Side 2: | 4 | |
| Coding, Side 2: | A | |
| Contact Resistance, Side 2: | ≤ 10 mOhm | |
| Insulation Resistance, Side 2: | > 10^9 Ohm | |
| Mating Cycles, Side 2: | ≤ 100 | |
| Ambient Temperature (Operation), Side 2*: | - 40 °C - + 90 °C | |
| Operating Temperature (UL), Side 2: | max. + 50 °C | |
| Protection Degree / IP Rating, Side 2**: | IP65, IP67, IP68 (1 m / 24 h), IP69K | |
| Design Standard, Side 2: | IEC 61076-2-101 | |
| Pollution Degree, Side 2: | 3 acc. to DIN EN 60664-1 (VDE 0110-1) | |
| Overvoltage Category, Side 2: | II acc. to DIN EN 60664-1 (VDE 0110-1) | |
| Contact Base Material, Side 2: | CuSn | |
| Contact Plating, Side 2: | Cu/Au | |
| Contact Bearer Material, Side 2: | TPU | |
| Contact Bearer Color, Side 2: | Orange | |
| Flammability Class (Contact Bearer), Side 2: | UL 94 HB | |
| Molded Body Material, Side 2: | TPU | |
| Molded Body Color, Side 2: | Translucent | |
| Flammability Class (Molded Body), Side 2: | UL 94 HB | |
| Attachment Material, Side 2: | CuZn | |
| Attachment Plating, Side 2: | Nickel-plated | |
| O-Ring Material, Side 2: | FKM, green | |
| Fastening Torque (Attachment), Side 2: | M 12x1: (50-60) Ncm, hand-tight | |

Approvals

| UL-File: | E315587 |
|----------|----------------|
| UL: | UL 2238; cURus |

Safety & Environmental Compliance

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

Resistances

| Halogenfree: | DIN EN 50267-2-1, IEC 60754-1, VDE 0482-267-2-1 |
|-----------------|---|
| Oil Resistance: | DIN EN 60811-2-1 |

Notes

| Protection Degree / IP Rating Note: | ** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector. |
|-------------------------------------|--|
| Note Derating: | Notice derating |

Variants

| Item # | Item Description | Cable Length | Rated Current | Contact Bearer Color |
|--------|----------------------|--------------|---------------|----------------------|
| 882 | RST 4-RKT 4-251/25 M | 25 m | 4 A | Orange |
| 11829 | RST 4-RKT 4-251/1 M | 1 m | 4 A | Orange |
| 11831 | RST 4-RKT 4-251/2 M | 2 m | 4 A | Orange |

| 17728 | RST 4-RKT 4-251/10 M | 10 m | 4 A | Orange |
|-------|-----------------------|-------|-----|--------|
| 78854 | RST 4-RKT 4-251/7,5 M | 7.5 m | 4 A | Orange |
| 11827 | RST 4-RKT 4-251/0,3 M | 0.3 m | 4 A | Orange |
| 3610 | RST 4-RKT 4-251/0,5 M | 0.5 m | 4 A | Orange |
| 11828 | RST 4-RKT 4-251/0,6 M | 0.6 m | 4 A | Orange |
| 11830 | RST 4-RKT 4-251/1,5 M | 1.5 m | 4 A | Orange |
| 881 | RST 4-RKT 4-251/15 M | 15 m | 4 A | Orange |
| 14239 | RST 4-RKT 4-251/2,5 M | 2.5 m | 4 A | Orange |
| 5577 | RST 4-RKT 4-251/20 M | 20 m | 4 A | Orange |
| 25668 | RST 4-RKT 4-251/3 M | 3 m | 4 A | Orange |
| 30320 | RST 4-RKT 4-251/4 M | 4 m | 4 A | Orange |
| 11832 | RST 4-RKT 4-251/5 M | 5 m | 4 A | Orange |
| 30321 | RST 4-RKT 4-251/6 M | 6 m | 4 A | Orange |

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