



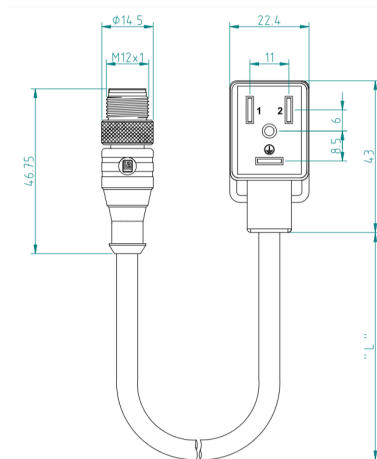
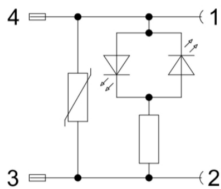
Product: [RST 5-3-VB 1A-1-1-226](#)

INDUSTRIAL-B (NEMA), Cordset, double ended: M12, Male, Straight, 3-Pole, to a, Form B, Female, Angled, 2+PE (PE at cable outlet), Yellow LED with Varistor: Cable, PUR, black, 3x0.50 mm²

Product Description

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Technical Drawing



Technical Specifications

Product Description

| | |
|------------------------|-----------------------|
| Product Family: | Valve Connectors |
| Brand: | Lumberg Automation |
| Connector Type: | Cordset, double ended |
| Shielding: | Unshielded |
| Rated Voltage: | 24 V |
| Rated Impulse Voltage: | 1.5 kV |
| Operating Voltage: | 24 V AC/DC |
| Rated Current*: | 4 A |

Technical Data Side 1

| | |
|---------------------------|------|
| Product Sub Family: | M12 |
| Type of Contact / Gender: | Male |

| | |
|--------------------------------------|--|
| Connector Design: | Straight |
| Attachment Type: | Coupling Screw |
| Number of Pins: | 3 |
| Coding: | A |
| Contact Resistance: | ≤ 10 mOhm |
| Insulation Resistance: | > 10 ⁹ Ohm |
| Mating Cycles: | ≤ 100 |
| Ambient Temperature (Operation)*: | - 40 °C - + 90 °C |
| Protection Degree / IP Rating**: | IP65 |
| Design Standard: | IEC 61076-2-101 |
| Pollution Degree: | 3 acc. to DIN EN 60664-1 (VDE 0110-1) |
| Overvoltage Category: | III 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: | Grey Translucent |
| Flammability Class (Molded Body): | UL 94 HB |
| Attachment Material: | CuZn |
| Attachment Plating: | Ni-Plated |
| Function Indicator: | Yellow LED |
| Protective Circuit: | Varistor |
| Fastening Torque (Attachment): | M 12x1: (50-60) Ncm, hand-tight |
| Note: | Do not connect or disconnect under load. |

Cable Data

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| Cable Number: | 226 |
| Conductor Size: | 0.5 mm ² |
| Number of Wires: | 3 |
| Minimal Bending Radius (Fixed Inst): | > 5 x D |
| Minimal Bending Radius (Flexible Inst): | > 10 x D |
| Cycles (Bending): | > 5 M |
| Cycles (Torsion): | > 5 M @ ± 360 °/1 m |
| Conductor material: | Cu |
| Cable Jacket Material: | PUR |
| Cable Jacket Color: | black |
| Cable Diameter D: | ø 4.6 ± 0.2 mm |
| Wire Insulation Material: | PP |
| Insulated Wire Diameter: | ø 1.50 mm |
| Ambient Temperature (Fixed Installation): | - 50 °C - + 105 °C (UL: + 80 °C) |
| Ambient Temperature (Flex Installation): | - 25 °C - + 105 °C (UL: + 80 °C) |
| Ambient Temperature (Drag Chain Inst): | - 25 °C - + 60 °C |
| UL Cable Type: | AWM: 20549 |
| Flammability Class (Cable Jacket): | DIN EN 50265-2-2, VDE 0482-265-2-2, IEC 60332-2-2, CSA FT2 |
| Cable Characteristics: | Good microbes and hydrolysis resistance; Mainly plasticizer diffusion free; Exclusion of PVC and silicone; Coldness flexibility; Free of lacquer wetting disturbing substances |

Technical Data Side 2

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|-----------------------------------|---------------------------|
| Product Sub Family, Side 2: | VB Industrial Standard |
| Type of Contact / Gender, Side 2: | Female |
| Connector Design, Side 2: | Angled |
| Attachment Type, Side 2: | Central Screw |
| Number of Pins, Side 2: | 2+PE (PE at cable outlet) |
| Coding, Side 2: | B |
| Contact Resistance, Side 2: | ≤ 5 mOhm |

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|--|---|
| Insulation Resistance, Side 2: | > 10 ⁹ Ohm |
| Mating Cycles, Side 2: | 50 |
| Ambient Temperature (Operation), Side 2*: | -25°C to +80°C |
| Protection Degree / IP Rating, Side 2**: | IP65 |
| Design Standard, Side 2: | INDUSTRIAL-B (NEMA) |
| Pollution Degree, Side 2: | 3 acc. to DIN EN 60664-1 (VDE 0110-1) |
| Overvoltage Category, Side 2: | III acc. to DIN EN 60664-1 (VDE 0110-1) |
| Contact Base Material, Side 2: | CuZn |
| Contact Plating, Side 2: | Cu/Ni,Sn |
| Contact Bearer Material, Side 2: | PBT |
| Contact Bearer Color, Side 2: | Black |
| Flammability Class (Contact Bearer), Side 2: | UL 94 V-0 |
| Molded Body Material, Side 2: | TPU |
| Molded Body Color, Side 2: | Translucent |
| Attachment Material, Side 2: | Steel, Phillips combi slot |
| O-Ring Material, Side 2: | Molded Integrated Gasket |
| Fastening Torque (Attachment), Side 2: | (50-60) Ncm |

Safety & Environmental Compliance

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

Resistances

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|-----------------|----------------------------------|
| Halogenfree: | no |
| Oil Resistance: | Good chemical and oil resistance |

Notes

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| 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 |
|-----------|-----------------------------|--------------|
| 17686 | RST 5-3-VB 1A-1-1-226/1 M | 1 m |
| 43804 | RST 5-3-VB 1A-1-1-226/0,3 M | 0.3 m |
| 43805 | RST 5-3-VB 1A-1-1-226/0,6 M | 0.6 m |
| 43806 | RST 5-3-VB 1A-1-1-226/1,5 M | 1.5 m |
| 43807 | RST 5-3-VB 1A-1-1-226/2 M | 2 m |
| 44547 | RST 5-3-VB 1A-1-1-226/3 M | 3 m |
| 44564 | RST 5-3-VB 1A-1-1-226/5 M | 5 m |
| 46971 | RST 5-3-VB 1A-1-1-226/10 M | 10 m |
| 934637348 | RST 5-3-VB 1A-1-1-226/2,5 M | 2.5 m |
| 47583 | RST 5-3-VB 1A-1-1-226 | 15 m |
| 10787 | RST 5-3-VB 1A-1-1-226/4 M | 4 m |
| 27501 | RST 5-3-VB 1A-1-1-226/8 M | 8 m |

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