



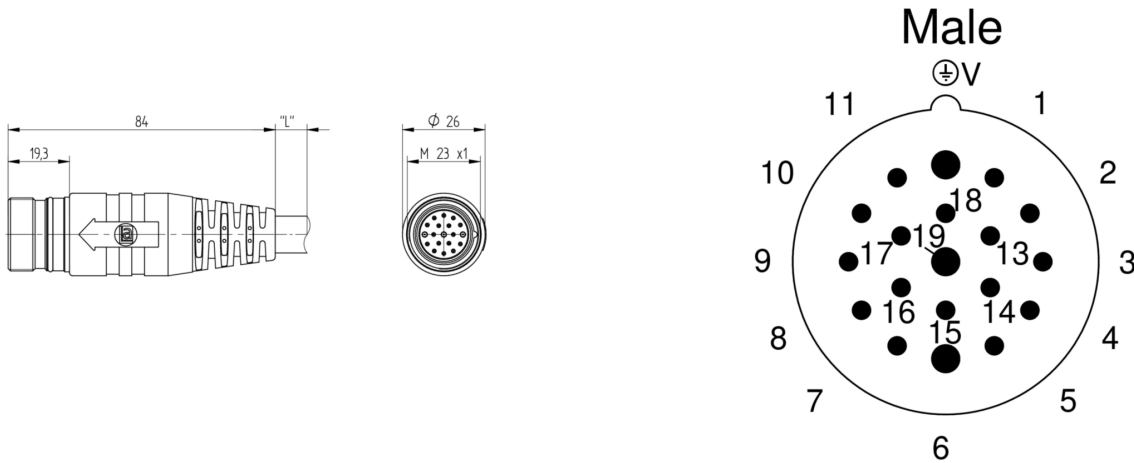
Product: [RSUF 19-242](#)

M23 Power Single-Ended Cordset: Male, straight, 19-pin, black body, 120 V AC/DC, 16x8 A + 3x10 A; PUR black cable, 16x0.5 mm² + 3x1.0 mm²

Product Description

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Technical Drawing



Technical Specifications

Face View

| Pin 1 | Pin 2 | Pin 3 | Pin 4 | Pin 5 | Pin 6 | Pin 7 | Pin 8 | Pin 9 | Pin 10 | Pin 11 | Pin 12 | Pin 13 | Pin 14 | Pin 15 | Pin 16 | Pin 17 | Pin 18 | Pin 19 |
|--------|-------|-------|----------|-------|-------|-----------|-------------|--------------|------------|--------|--------------|--------------|-------------|--------|--------|--------|------------|--------|
| violet | red | grey | red-blue | green | blue | grey-pink | white-green | white-yellow | white-grey | black | green-yellow | yellow-brown | brown-green | white | yellow | pink | grey-brown | brown |

Technical Data

| | |
|-----------------------------------|--|
| Product Family: | Power Connector |
| Product Sub Family: | M23 Power |
| Brand: | Lumberg Automation |
| Connector Type: | Cordset, single ended |
| Type of Contact / Gender: | male |
| Connector Design: | straight |
| Number of Pins: | 19 |
| Shielding: | Unshielded |
| Attachment Type: | External thread fixed |
| Rated Voltage: | 125 V |
| Rated Impulse Voltage: | 1.5 kV |
| Operating Voltage: | 120 V AC/DC |
| Rated Current*: | 16 x 8 A (pin-Ø 1 mm), 3 x 10 A (contact-Ø 1.5 mm) |
| Insulation Resistance: | > 10 ⁹ Ohm |
| Mating Cycles: | ≤ 100 |
| Ambient Temperature (Operation)*: | -25°C to +80°C |

| | |
|----------------------------------|--|
| Protection Degree / IP Rating**: | IP67 |
| Pollution Degree: | 3 acc. to DIN EN 60664-1 (VDE 0110-1) |
| Clearance / Creepage Distance: | acc. to DIN EN 60664-1 (VDE 0110-1) |
| Overtoltage Category: | II acc. to DIN EN 60664-1 (VDE 0110-1) |

Materials

| | |
|--------------------------------------|---------------------|
| Contact Base Material: | CuZn |
| Contact Plating: | Cu/Au |
| Contact Bearer Material: | PBT |
| Contact Bearer Color: | white |
| Flammability Class (Contact Bearer): | UL 94 V0 |
| Molded Body Material: | TPU |
| Molded Body Color: | black |
| Flammability Class (Molded Body): | UL 94-HB |
| Attachment Material: | CuZn, nickel-plated |
| O-Ring Material: | FKM |

Cable Data

| | |
|---|---|
| Cable Number: | 242 |
| Conductor Size: | 16x0.5mm ² + 3x1.0 mm ² |
| Number of Wires: | 19 |
| Minimal Bending Radius (Fixed Inst): | > 5 x D |
| Minimal Bending Radius (Flexible Inst): | > 10 x D |
| Cycles (Bending): | > 2 M |
| Conductor material: | Cu |
| Cable Jacket Material: | PUR |
| Cable Jacket Color: | black |
| Cable Diameter D: | Ø 11.60 ±0.30 mm |
| Wire Insulation Material: | PP |
| Insulated Wire Diameter: | 16x Ø1.45 mm + 3x Ø1.95 mm |
| Ambient Temperature (Fixed Installation): | -50°C to +80°C |
| Ambient Temperature (Flex Installation): | -25°C to +80°C |
| Ambient Temperature (Drag Chain Inst): | max. +60°C |
| UL Cable Type: | AWM: 21198 / 20549 |
| Flammability Class (Cable Jacket): | IEC 60332-2, VDE 0482-265-2-2, EN 50265-2-2, FT2; flame-retardant |

Safety & Environmental Compliance

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

Resistances

| | |
|--------------|---|
| Halogenfree: | IEC 60754-1, VDE 0482-267, EN 50267-2-1 |
|--------------|---|

Notes

| | |
|-------------------------------------|---|
| Note Derating: | * Notice derating |
| Protection Degree / IP Rating Note: | ** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector. |
| Note: | Do not connect / disconnect under load. |
| Particularities: | When the connector is unlocked and in risk of pollution the connector has to be covered with a protective cap ≥ IP54. |

Variants

| Item # | Item Description | Cable Length |
|--------|------------------|--------------|
| 104327 | RSUF 19-242/2 M | 2 m |
| 62140 | RSUF 19-242/5 M | 5 m |
| 62141 | RSUF 19-242/10 M | 10 m |
| 62142 | RSUF 19-242/15 M | 15 m |
| 63299 | RSUF 19-242/20 M | 20 m |
| 97533 | RSUF 19-242/25 M | 25 m |
| 76089 | RSUF 19-242/30 M | 30 m |
| 97574 | RSUF 19-242/35 M | 35 m |
| 76091 | RSUF 19-242/40 M | 40 m |

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