

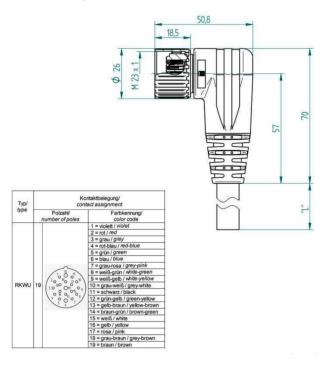
Part Number: RKWUE 19-242

M23 Power Single-Ended Cordset: Female, angled, 19-pin(18+PE), black body, 120 V AC/DC, 16x8 A + 2x10 A; PUR black cable, 16x0.5 mm² + 3x1.0 mm²

Product Description

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Technical Drawing



Technical Specifications

Technical Data

| Product Family: | Power Connector |
|---------------------------|--|
| Product Sub Family: | M23 Power |
| Brand: | Lumberg Automation |
| Connector Type: | Cordset, single ended |
| Type of Contact / Gender: | female |
| Connector Design: | angled |
| Number of Pins: | 19(18+PE) |
| Shielding: | Unshielded |
| Attachment Type: | Grounded Coupling Nut |
| 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), 2 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) |
| Overvoltage 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: | NBR |

Cable Data

| Cable Number: | 242 |
|---|---|
| Conductor Size: | 16x0.5mm² + 3x1.0 mm² |
| 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

| Protection Degree / IP Rating Note: | * only if mounted and locked in combination with Hirschmann / Lumberg connector. | |
|-------------------------------------|--|--|
| Note Derating: | * Notice derating | |
| 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 |
|--------|-------------------|--------------|
| 9623 | RKWUE 19-242/1 M | 1 m |
| 60715 | RKWUE 19-242/5 M | 5 m |
| 60711 | RKWUE 19-242/10 M | 10 m |
| 60712 | RKWUE 19-242/15 M | 15 m |
| 60713 | RKWUE 19-242/20 M | 20 m |
| 61247 | RKWUE 19-242/25 M | 25 m |
| 61252 | RKWUE 19-242/30 M | 30 m |
| 61249 | RKWUE 19-242/35 M | 35 m |

| 61246 | RKWUE 19-242/40 M | 40 m |
|-----------|-------------------|------|
| 934637711 | RKWUE 19-242/45 M | 45 m |
| 89052 | RKWUE 19-242/50 M | 50 m |
| 934637713 | RKWUE 19-242/60 M | 60 m |

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