



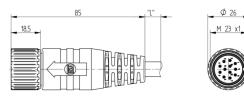
Product: <u>RKU 12-256</u> ☑

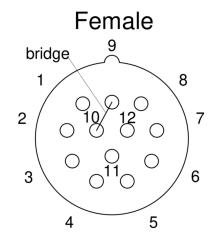
M23 Power Single-Ended Cordset: Female, straight, 12-pin, black body, 120 V AC/DC, 8 A; PUR black cable, 8x0.5 mm² + 3x1.0 mm²

Product Description

M23 Power Single-Ended Cordset: Female, straight, 12-pin, black body, 120 V AC/DC, 8 A; PUR black cable, 8x0.5 mm² + 3x1.0 mm²

Technical Drawing





Technical Specifications

| Face V | iew | | | | | | | | | | |
|--------|-------|--------|-------|-----------|----------|-------------|-------------|-------|------------------------|--------|--------------|
| Pin 1 | Pin 2 | Pin 3 | Pin 4 | Pin 5 | Pin 6 | Pin 7 | Pin 8 | Pin 9 | Pin 10 | Pin 11 | Pin 12 |
| white | green | yellow | grey | grey-pink | red-blue | white-green | brown-green | blue | blue (bridge to pin 9) | brown | green-yellow |

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: | straight |
| Number of Pins: | 12 |
| Shielding: | Unshielded |
| Attachment Type: | Coupling Nut |
| Rated Voltage: | 125 V |
| Rated Impulse Voltage: | 1.5 kV |
| Operating Voltage: | 120 V AC/DC |
| Rated Current*: | 8 A |
| 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: | 8 x CuSn/4 x CuZn |
|--------------------------------------|---------------------|
| Contact Plating: | Cu/Au |
| Contact Bearer Material: | PA 66 |
| Contact Bearer Color: | black |
| Flammability Class (Contact Bearer): | UL 94-HB |
| 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: | 256 |
|---|--|
| Conductor Size: | 8x0.5mm ² + 3x1.0 mm ² |
| Number of Wires: | 11 |
| Minimal Bending Radius (Fixed Inst): | >5xD |
| 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 9.30 ±0.20 mm |
| Wire Insulation Material: | PP |
| Insulated Wire Diameter: | 8x 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): | -25°C to +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; flame-retardant |
| | |

Safety & Environmental Compliance

yes

RoHS Compliant:

Resistances

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

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 |
|-----------|------------------|--------------|
| 427 | RKU 12-256/2 M | 2 m |
| 60682 | RKU 12-256/5 M | 5 m |
| 60676 | RKU 12-256/10 M | 10 m |
| 60677 | RKU 12-256/15 M | 15 m |
| 60679 | RKU 12-256/20 M | 20 m |
| 61112 | RKU 12-256/25 M | 25 m |
| 61142 | RKU 12-256/30 M | 30 m |
| 61161 | RKU 12-256/40 M | 40 m |
| 934636816 | RKU 12-256/50 M | 50 m |

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