



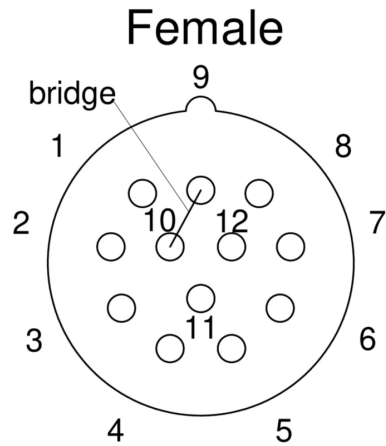
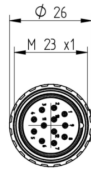
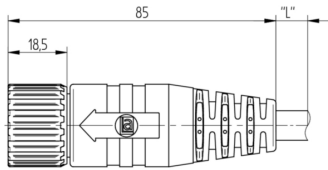
Product: [RKU 12-S4741](#)

M23 - Female 0° | #Contacts: 12 | 120 V | Cable: Yellow (TPE); 8x0.5 mm² + 3x1.0 mm²; IEC

Product Description

M23 - Singled-Ended Female Straight Cordset | #Contacts: 12 | 120 V / 8 A | Yellow TPE Jacket, 8x0.5 mm² (20 AWG) + 3x1.0 mm² (17 AWG), IEC

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
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
Side 1 Product Sub Family:	M23 Power
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Side 1 Type of Contact/Gender:	Socket Contact / Female
Connector Design:	M23 Female 12 Pole 0°
Number of Pins:	12
Shielding Type:	Unshielded
Attachment Type:	Coupling Nut
Voltage Rating:	125 V
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	110 V AC/DC
Current Rating:	8 A
Insulation Resistance:	> 10 ⁹ Ohm
Mating Cycles:	≤ 100
Cross Section:	8x0.5mm ² + 3x1.0 mm ²

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:	Brass (CuZn)
Side 1 Contact Plating:	Gold over Copper (Cu/Au)
Contact Bearer Material:	Polyamide (Nylon), PA 66
Contact Bearer Color:	Black
Flammability Class (Contact Bearer):	UL 94-HB
Molded Body Material:	Thermoplastic Polyurethane (TPU)
Molded Body Color:	Yellow
Flammability Class (Molded Body):	UL 94-HB
Attachment Material:	Brass (CuZn)
Attachment Plating:	Nickel (Ni)
O-Ring Material:	Fluorocarbon rubber (FKM)
Gasket Material:	Fluorocarbon rubber (FKM)

Cable Data

Cable Number:	S4741
Conductor Size:	8x0.5mm² + 3x1.0 mm²
Number of Wires:	11
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:	Thermoplastic elastomers (TPE)
Cable Jacket Color:	Yellow
Cable Diameter D:	Ø 10.00 [0.39"]
Wire Insulation Material:	Polypropylene (PP)
Insulated Wire Diameter:	8 x Ø 1.45 mm [0.6"] + 3 x Ø 1.95 mm[0.8"]
Ambient Temperature (Fixed Installation):	- 25 °C to + 80 °C (PLTC 75 °C)
Ambient Temperature (Flex Installation):	- 5 °C to + 80 °C (PLTC 75 °C)
Ambient Temperature (Drag Chain Inst):	- 25 °C to + 60 °C
UL Cable Type:	PLTC
Flammability Class (Cable Jacket):	DIN EN 60332-1-2, VDE 0482-332-2-2, IEC 60332-1-2, UL 1685 vertical tray
Cable Characteristics:	Flexibility: Excellent Abrasion Resistance: Good Oil & Chemical Resistance: Excellent UV Resistance: Good Low Temp Performance: Good (flexible to -40°C) Flame Retardance: Fair to Good Halogen-Free: Yes Mechanical Durability: Good (resists impact, tear, and flex) Drag Chain: Yes Environmental Suitability: Outdoor, oily, wet, or rough environments

Safety & Environmental Compliance

RoHS Compliant:	Yes
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Resistances

Halogenfree:	No
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Notes

Note Derating:	* Notice derating
Protection Degree / IP Rating Note:	IP Rating tested according to IEC standard using combination of a Hirschmann or Lumberg Automation connector mounted and locked
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.
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