



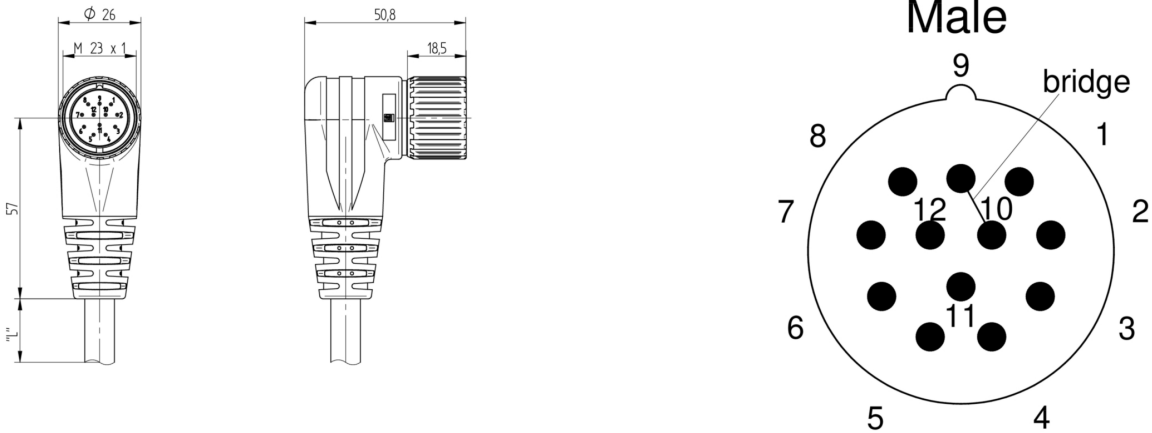
Product: [RSWU 12-256](#)

M23 - Male 90° | #Contacts: 12 | 120 V | Cable: Black (PUR); 8x0.5 mm² + 3x1.0 mm²; IEC

Product Description

M23 - Singled-Ended Male Angled Cordset | #Contacts: 12 | 120 V / 8 A | Black PUR 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:	Pin Contact / Male
Connector Design:	M23 Male 12 Pole 90°
Number of Pins:	12
Shielding Type:	Unshielded
Attachment Type:	Coupling Nut
Voltage Rating:	125 V
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	120 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
Side 1 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:	Polybutylene terephthalate (PBT)
Contact Bearer Color:	White
Flammability Class (Contact Bearer):	UL 94 V0
Molded Body Material:	Thermoplastic Polyurethane (TPU)
Molded Body Color:	Black
Flammability Class (Molded Body):	UL 94-HB
Attachment Material:	Brass (CuZn)
Attachment Plating:	Nickel (Ni)
O-Ring Material:	Nitrile Butadiene Rubber (NBR)

Cable Data

Cable Number:	256
Conductor Size:	8x0.5mm ² + 3x1.0 mm ²
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:	Polyurethane (PUR)
Cable Jacket Color:	Black
Cable Diameter D:	Ø 9.30
Wire Insulation Material:	Polypropylene (PP)
Insulated Wire Diameter:	8 x Ø 1.45 mm + 3 x Ø 1.95 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
Cable Characteristics:	Flexibility: Excellent Abrasion Resistance: Excellent Oil & Chemical Resistance: Excellent UV Resistance: Excellent Low Temp Performance: Excellent (flexible to -40°C) Flame Retardance: Good Halogen-Free: Yes Mechanical Durability: Excellent (resists impact, tear, and flex) Drag Chain Environmental Suitability: Outdoor, oily, wet, or rough environments

Safety & Environmental Compliance

RoHS Compliant:	Yes
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Resistances

Halogenfree:	DIN EN 50267-2-1, IEC 60754-1, VDE 0482-267-2-1
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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
84359	RSWU 12-256/5 M	5 m
6742	RSWU 12-256/7 M	7 m
934636560	RSWU 12-256/10 M	10 m
934636561	RSWU 12-256/15 M	15 m
934637085	RSWU 12-256/20 M	20 m

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