



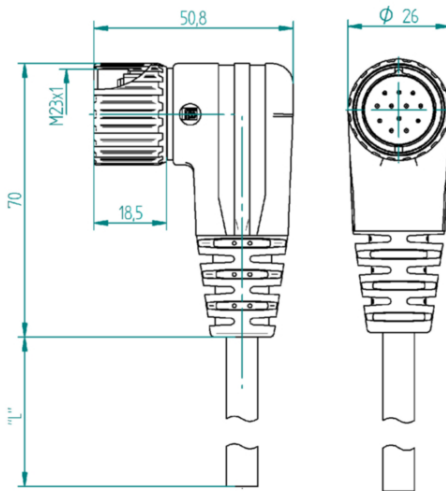
Part Number: RSWU 12-256

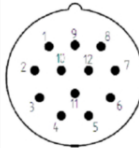
M23 Power Single-Ended Cordset: Male, angled, 12-pin, black body, 120 V AC/DC, 8 A; PUR black cable, 8x0.5 mm² + 3x1.0 mm²

Product Description

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

Technical Drawing



Typ/ type	Kontaktbelegung/ contact assignment	
	Polzahl/ number of poles	Farbkennung/ color code
RSWU	12 	1 = weiß / white 2 = grün / green 3 = gelb / yellow 4 = grau / grey 5 = grau-rosa / grey-pink 6 = rot-blau / red-blue 7 = weiß-grün / white-green 8 = braun-grün / brown-green 9 = blau / blue 10 = blau / blue ☐ Brücke / bridge 11 = braun / brown 12 = gelb / grün / yellow / green

Legende/ cutline
 "L" Standardlänge der Steuerleitung/
 standard length of cable

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:	male
Connector Design:	angled
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:	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:	256
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:	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

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

Protection Degree / IP Rating Note:	* only if mounted and locked in combination with Hirschmann / Lumberg connector.
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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
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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