



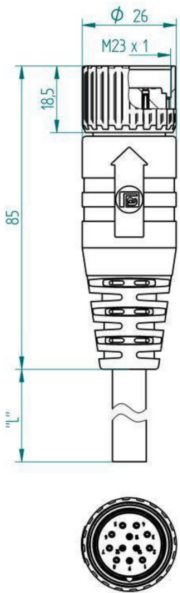
## Part Number: RKU 12-256

M23 Power Single-Ended Cordset: Female, straight, 12-pin, black body, 120 V AC/DC, 8 A; PUR black cable, 8x0.5 mm<sup>2</sup> + 3x1.0 mm<sup>2</sup>

### Product Description

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### Technical Drawing



Typ/ type	Kontaktbelegung/ contact assignment	
	Polzahl/ number of poles	Farbkennung/ color code
RKU 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
		11 = braun / brown
		12 = gelb / grün / yellow / green

### 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:	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 <sup>9</sup> 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 <sup>2</sup> + 3x1.0 mm <sup>2</sup>
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.
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
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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