



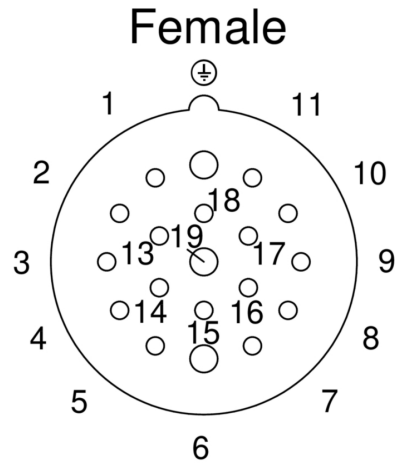
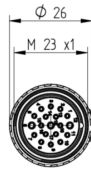
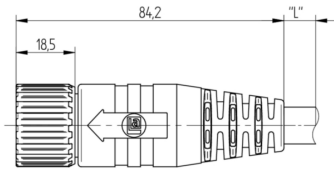
**Product:** [RKU 19-355](#)

M23 Power Single-Ended Cordset: Female, straight, 19-pin, black body, 120 V AC/DC, 16x8 A + 3x10 A; PUR grey cable, 16x0.5 mm<sup>2</sup> + 3x1.0 mm<sup>2</sup>

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**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	Pin 13	Pin 14	Pin 15	Pin 16	Pin 17	Pin 18	Pin 19
violet	red	grey	red-blue	green	blue	grey-pink	white-green	white-yellow	white-grey	black	green-yellow	yellow-brown	brown-green	white	yellow	pink	grey-brown	brown

**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:	19
Shielding:	Unshielded
Attachment Type:	Coupling Nut
Rated Voltage:	125 V
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	120 V AC/DC
Rated Current*:	16 x 8 A (pin-Ø 1 mm), 3 x 10 A (contact-Ø 1.5 mm)
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)
Overtoltage Category:	II acc. to DIN EN 60664-1 (VDE 0110-1)

## Materials

Contact Base Material:	16 x CuSn/3 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:	355
Conductor Size:	16x0.5mm <sup>2</sup> + 3x1.0 mm <sup>2</sup>
Number of Wires:	19
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Cycles (Bending):	> 5 M
Cycles (Torsion):	> 5 M @ ± 360 °/1 m
Conductor material:	Cu
Cable Jacket Material:	PUR
Cable Jacket Color:	grey
Cable Diameter D:	Ø 11.60 ±0.30 mm
Wire Insulation Material:	TPE-S
Insulated Wire Diameter:	16x Ø1.60 mm + 3x Ø2.0 mm
Ambient Temperature (Fixed Installation):	-50°C to +80°C
Ambient Temperature (Flex Installation):	-25°C to +80°C
UL Cable Type:	AWM: 20549
Flammability Class (Cable Jacket):	IEC 60332-2 , VDE 0482-265-2-2 , EN 50265-2-2, CSA-FT2; non fire propagating and self-extinguishing
Cable Characteristics:	Good microbes and hydrolysis resistance; Mainly plasticizer diffusion free; Exclusion of PVC and silicone; Coldness flexibility; Free of lacquer wetting disturbing substances

## 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
98012	RKU 19-355/4 M	4 m
89236	RKU 19-355/5 M	5 m
94603	RKU 19-355/6 M	6 m
94604	RKU 19-355/8 M	8 m
81112	RKU 19-355/10 M	10 m
101316	RKU 19-355/12 M	12 m
93118	RKU 19-355/15 M	15 m

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