



**Product:** [RKU 19-S3792](#)

Life Cycle Status: Obsolete

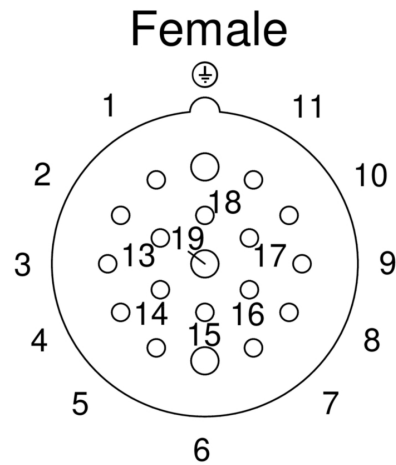
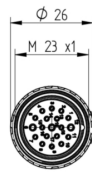
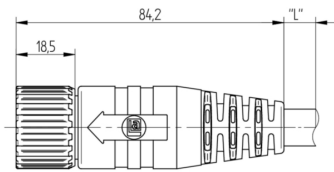
Replaced by: [RKU 19-242](#)

Obsolete | Alternative: RKU 19-242

## Product Description

M23 - Singled-Ended Female Straight Cordset | #Contacts: 19 | 120 V / 16x8 A + 3x10 A | Grey PUR Jacket, 19x0.75 mm<sup>2</sup> (18 AWG), Numeric

## 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
blue # 1	blue # 2	blue # 3	blue # 4	blue # 5	blue # 6	blue # 7	blue # 8	blue # 9	blue # 10	blue # 11	green / yellow	blue # 13	blue # 14	blue # 15	blue # 16	blue # 17	blue # 18	blue # 19

## Technical Data

Product Family:	Power Connector
Product Sub Family:	M23 Power
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Type of Contact / Gender:	Socket Contact / Female
Connector Design:	Straight (0°) Body
Number of Pins:	19
Shielding:	Unshielded
Attachment Type:	Coupling Nut
Rated Voltage:	125 V
Rated Impulse Voltage:	1.5 kV
Rated Current*:	16 x 8 A (pin-Ø 1 mm), 3 x 10 A (contact-Ø 1.5 mm)
Contact Resistance:	≤ 5 mOhm
Insulation Resistance:	> 10 <sup>9</sup> Ohm
Mating Cycles:	≤ 100
Conductor Cross Section:	19 x 0.75mm <sup>2</sup>

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:	Copper Alloy
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:	Black
Flammability Class (Molded Body):	UL 94-HB
Attachment Material:	Brass (CuZn)
Attachment Plating:	Nickel (Ni)
O-Ring Material:	Fluorocarbon rubber (FKM)

Cable Data

Cable Number:	S3792
Conductor Size:	0.75 mm²
Number of Wires:	19
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Cycles (Bending):	> 5 M
Conductor material:	Cu
Cable Jacket Material:	Polyurethane (PUR)
Cable Jacket Color:	Grey
Cable Diameter D:	Ø 11.58 mm [ 0.456" ]
Wire Insulation Material:	Polyvinyl chloride (PVC)
Insulated Wire Diameter:	Ø 1.20 mm [ 0.068" ]
Ambient Temperature (Fixed Installation):	- 40 °C to + 80 °C
Ambient Temperature (Flex Installation):	- 5 °C to + 80 °C
UL Cable Type:	AWM 20233
Flammability Class (Cable Jacket):	FT-1
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:	Yes
Oil Resistance:	Yes

Notes

Note Derating:	* Notice derating
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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