



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

Life Cycle Status: Obsolete

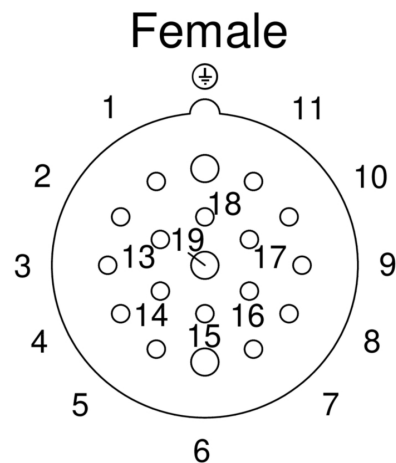
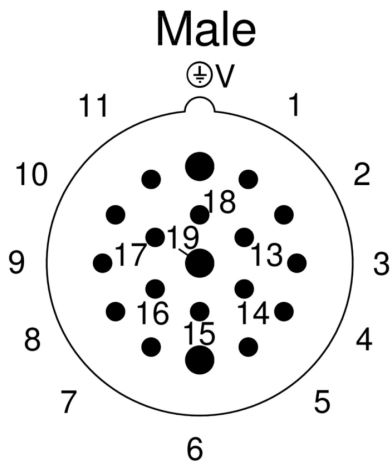
Replaced by: [RSU 19-RKU 19-242](#)

Obsolete | Alternative: RSU 19-RKU 19-242

Product Description

M23 - Double-Ended Cordset: M23 - Male Straight | #Contacts: 19 | M23 - Female Straight | #Contacts: 19 | 120 V / 16x8 A + 3x10 A | Grey PUR Jacket, 19x0.75 mm² (18 AWG), Numeric

Technical Drawing



Technical Specifications

Face View Side 1

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

Face View Side 2

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

Product Description

Product Family:	Power Connector
Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Shielding:	Unshielded
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)

Technical Data Side 1

Product Sub Family:	M23 Power
Type of Contact / Gender:	Pin Contact / Male
Connector Design:	Straight (0°) Body
Attachment Type:	Coupling Nut
Number of Pins:	19
Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 100
Conductor Cross Section:	19 x 0.75mm²
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)
Contact Base Material:	Polybutylene terephthalate (PBT)
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:	S3792
Conductor Size:	0.34 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 11.60
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

Technical Data Side 2

Product Sub Family, Side 2:	M23 Power
Type of Contact / Gender, Side 2:	Socket Contact / Female
Connector Design, Side 2:	Straight (0°) Body
Attachment Type, Side 2:	Coupling Nut
Number of Pins, Side 2:	19
Insulation Resistance, Side 2:	> 10^9 Ohm
Mating Cycles, Side 2:	≤ 100
Conductor Cross Section, Side 2:	19 x 0.75mm²
Ambient Temperature (Operation), Side 2*:	- 25 °C to + 80 °C
Protection Degree / IP Rating, Side 2**:	IP67
Pollution Degree, Side 2:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Clearance / Creepage Distance, Side 2:	acc. to DIN EN 60664-1 (VDE 0110-1)
Overvoltage Category, Side 2:	II acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Base Material, Side 2:	Copper Alloy
Contact Plating, Side 2:	Gold over Copper (Cu/Au)
Contact Bearer Material, Side 2:	Polyamide (Nylon), PA 66
Contact Bearer Color, Side 2:	Black
Flammability Class (Contact Bearer), Side 2:	UL 94-HB
Molded Body Material, Side 2:	Thermoplastic Polyurethane (TPU)
Molded Body Color, Side 2:	Black
Flammability Class (Molded Body), Side 2:	UL 94-HB
Attachment Material, Side 2:	Brass (CuZn)
Attachment Plating, Side 2:	Nickel (Ni)
O-Ring Material, Side 2:	Fluorocarbon rubber (FKM)
Note, Side 2:	Do not connect / disconnect under load.

Safety & Environmental Compliance

RoHS Compliant:	Yes
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Resistances

Halogenfree:	Yes
Oil Resistance:	Yes

Notes

Protection Degree / IP Rating Note:	IP Rating tested according to IEC standard using combination of a Hirschmann or Lumberg Automation connector mounted and locked
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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