lumbergautomation
A BELDEN BRAND

Product: RSU 19-RKU 19-S3792

Life Cycle Status: Obsolete

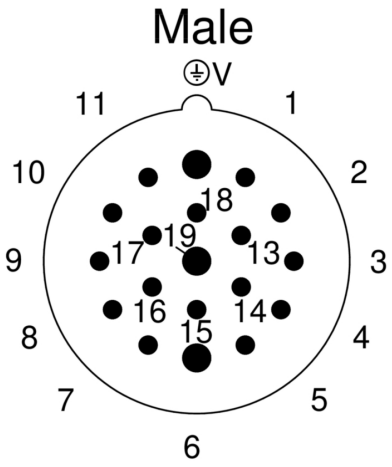
Replaced by: RSU 19-RKU 19-242

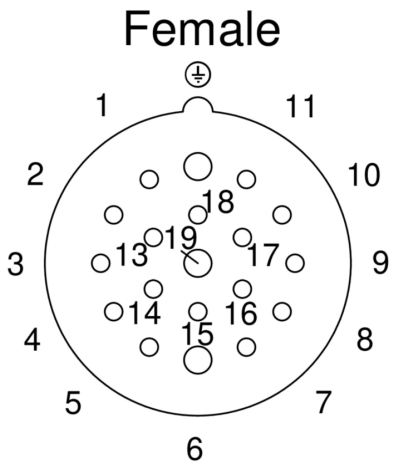
Obsolete | Alternative: RSU 19-RKU 19-242

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

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.

Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.