

**Product:** [RSWU 19-RKWU 19-242](#) 

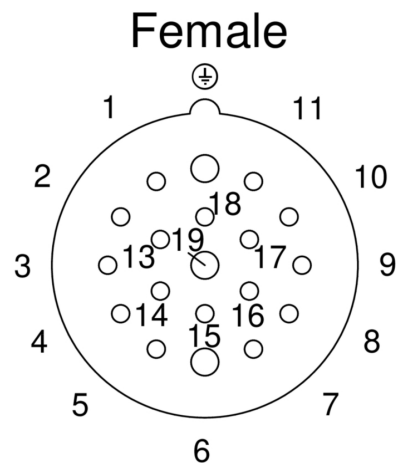
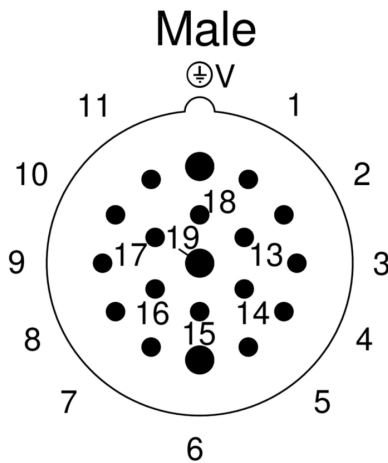
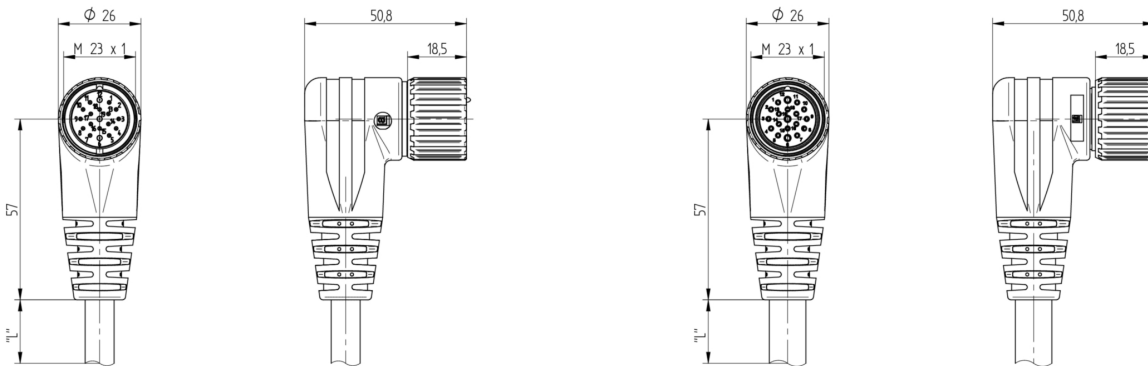


M23 Power Double-Ended Cordset: Male angled to female angled, 19-pin, black body, 120 V AC/DC, 16x8 A + 3x10 A; PUR black cable, 16x0.5 mm<sup>2</sup> + 3x1.0 mm<sup>2</sup>

**Product Description**

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**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 |
|--------|-------|-------|----------|-------|-------|-----------|-------------|--------------|------------|--------|--------------|--------------|-------------|--------|--------|--------|------------|--------|
| 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  |

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 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|

|        |     |      |          |       |      |           |             |              |            |       |              |              |             |       |        |      |            |       |
|--------|-----|------|----------|-------|------|-----------|-------------|--------------|------------|-------|--------------|--------------|-------------|-------|--------|------|------------|-------|
| 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 |
|--------|-----|------|----------|-------|------|-----------|-------------|--------------|------------|-------|--------------|--------------|-------------|-------|--------|------|------------|-------|

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                                             |
| 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) |

Technical Data Side 1

|                                      |                                         |
|--------------------------------------|-----------------------------------------|
| Product Sub Family:                  | M23 Power                               |
| Type of Contact / Gender:            | male                                    |
| Connector Design:                    | angled                                  |
| Attachment Type:                     | Coupling Nut                            |
| Number of Pins:                      | 19                                      |
| Insulation Resistance:               | > 10^9 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)  |
| Contact Base Material:               | CuZn                                    |
| Contact Plating:                     | Cu/Au                                   |
| Contact Bearer Material:             | PBT                                     |
| Contact Bearer Color:                | white                                   |
| Flammability Class (Contact Bearer): | UL 94 V0                                |
| Molded Body Material:                | TPU                                     |
| Molded Body Color:                   | black                                   |
| Flammability Class (Molded Body):    | UL 94-HB                                |
| Attachment Material:                 | CuZn, nickel-plated                     |
| O-Ring Material:                     | NBR                                     |
| Note:                                | Do not connect / disconnect under load. |

Cable Data

|                                           |                                                                   |
|-------------------------------------------|-------------------------------------------------------------------|
| Cable Number:                             | 242                                                               |
| Conductor Size:                           | 16x0.5mm² + 3x1.0 mm²                                             |
| Number of Wires:                          | 19                                                                |
| 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 11.60 ±0.30 mm                                                  |
| Wire Insulation Material:                 | PP                                                                |
| Insulated Wire Diameter:                  | 16x 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):    | max. +60°C                                                        |
| UL Cable Type:                            | AWM: 21198 / 20549                                                |
| Flammability Class (Cable Jacket):        | IEC 60332-2, VDE 0482-265-2-2, EN 50265-2-2, FT2; flame-retardant |

Technical Data Side 2

|                                              |                                         |
|----------------------------------------------|-----------------------------------------|
| Product Sub Family, Side 2:                  | M23 Power                               |
| Type of Contact / Gender, Side 2:            | female                                  |
| Connector Design, Side 2:                    | angled                                  |
| Attachment Type, Side 2:                     | Coupling Nut                            |
| Number of Pins, Side 2:                      | 19                                      |
| Insulation Resistance, Side 2:               | > 10^9 Ohm                              |
| Mating Cycles, Side 2:                       | ≤ 100                                   |
| 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:               | 16 x CuSn/3 x CuZn                      |
| Contact Plating, Side 2:                     | Cu/Au                                   |
| Contact Bearer Material, Side 2:             | PA 66                                   |
| Contact Bearer Color, Side 2:                | black                                   |
| Flammability Class (Contact Bearer), Side 2: | UL 94-HB                                |
| Molded Body Material, Side 2:                | TPU                                     |
| Molded Body Color, Side 2:                   | black                                   |
| Flammability Class (Molded Body), Side 2:    | UL 94-HB                                |
| Attachment Material, Side 2:                 | CuZn, nickel-plated                     |
| O-Ring Material, Side 2:                     | FKM                                     |
| Note, Side 2:                                | Do not connect / disconnect under load. |

Safety & Environmental Compliance

|                 |     |
|-----------------|-----|
| RoHS Compliant: | yes |
|-----------------|-----|

Resistances

|              |                                         |
|--------------|-----------------------------------------|
| Halogenfree: | IEC 60754-1, VDE 0482-267, EN 50267-2-1 |
|--------------|-----------------------------------------|

Notes

|                                     |                                                                                                                       |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Protection Degree / IP Rating Note: | ** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector.                          |
| 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. |

Variants

| Item #    | Item Description          | Cable Length |
|-----------|---------------------------|--------------|
| 934636120 | RSWU 19-RKWU 19-242/0,5 M | 0.5 m        |
| 108920    | RSWU 19-RKWU 19-242/1 M   | 1 m          |
| 1738      | RSWU 19-RKWU 19-242/3 M   | 3 m          |
| 1751      | RSWU 19-RKWU 19-242/5 M   | 5 m          |
| 1752      | RSWU 19-RKWU 19-242/10 M  | 10 m         |
| 1753      | RSWU 19-RKWU 19-242/15 M  | 15 m         |
| 1754      | RSWU 19-RKWU 19-242/20 M  | 20 m         |

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