



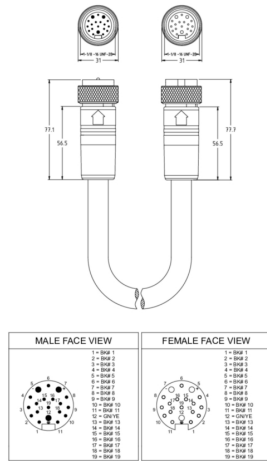
Product: [RSRK 1901M-669](#)

Obsolete | Replacement: RSRK 1901M-769/

Product Description

Double-Ended Cordset| 1-1/8"- Male Straight | #Contacts: 19 | 1-1/8"- Female Straight | #Contacts: 19 | 300 V / 8 & 3 A | Cable PUR Yellow; 19x18 AWG; NUMERIC | cURus 2238

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 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|--------------|----------|----------|----------|----------|----------|----------|----------|
| black 1 | black 2 | black 3 | black 4 | black 5 | black 6 | black 7 | black 8 | black 9 | black 10 | black 11 | green-yellow | black 13 | black 14 | black 15 | black 16 | black 17 | black 18 | black 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 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|--------------|----------|----------|----------|----------|----------|----------|----------|
| black 1 | black 2 | black 3 | black 4 | black 5 | black 6 | black 7 | black 8 | black 9 | black 10 | black 11 | green-yellow | black 13 | black 14 | black 15 | black 16 | black 17 | black 18 | black 19 |

Product Description

| | |
|----------------------|------------------------|
| Product Family: | Power Connector |
| Brand: | Lumberg Automation |
| Connector Type: | Cordset, double ended |
| Voltage Rating: | 300 V |
| Rated Voltage (UL): | 300 V |
| Operating Voltage: | 270 V |
| Rated Current (UL)*: | Power 8 A Signal 3 A |

Technical Data Side 1

| | |
|----------------------------|---------------------------------|
| Side 1 Product Sub Family: | 1-1/8 (9; 10; 12; 19 contacts)" |
|----------------------------|---------------------------------|

| | |
|--------------------------------------|---------------------------------------|
| Side 1 Type of Contact/Gender: | Pin Contacts / Male |
| Connector Design: | 1-1/8" Male 19 Pole 0° |
| Attachment Type: | Female Thread (coupling nut) |
| Number of Pins: | 19 (18+PE) |
| Coding, Side 1: | A |
| Mating Cycles: | ≤ 50 |
| Ambient Temperature (Operation)*: | - 40 °C to + 90°C |
| Pollution Degree: | 3 acc. to DIN EN 60664-1 (VDE 0110-1) |
| Side 1 Contact Plating: | Gold / Silver alloy (Au / Ag) |
| Contact Bearer Color: | Yellow |
| Flammability Class (Contact Bearer): | UL 94 HB |
| Molded Body Material: | Thermoplastic polyurethane (TPU) |
| Molded Body Color: | Yellow |
| Flammability Class (Molded Body): | UL 94 HB |
| Attachment Material: | Aluminum (Al) |
| Attachment Plating: | Anodized; Black |
| Fastening Torque (Attachment): | 1-1/8": 70 Ncm, hand-tight |
| Accessories to Order Separately: | 500000358 - RS-TU thread adaptor |

Cable Data

| | |
|---|--|
| Cable Number: | 669 |
| Conductor Size: | 18 AWG |
| Number of Wires: | 19 |
| Minimal Bending Radius (Flexible Inst): | > 10 x D |
| Cycles (Bending): | > 5 Mio. |
| Conductor Material: | Cu |
| Cable Jacket Material: | Thermoplastic Elastomer (TPE) |
| Cable Jacket Color: | Yellow |
| Cable Diameter D: | Ø 12.4 mm |
| Wire Insulation Material: | Polyvinyl Chloride w/ Nylon (PVC-Nylon) |
| Insulated Wire Diameter: | Ø 2.00 mm |
| Ambient Temperature (Fixed Installation): | - 40 °C to + 90°C |
| UL Cable Type: | AWM 20233 |
| Flammability Class (Cable Jacket): | FT1 |
| Cable Characteristics: | Flexibility: Excellent Abrasion Resistance: Excellent Oil & Chemical Resistance: Excellent UV Resistance: Good to excellent Low Temp Performance: Excellent (flexible to -25°C) Flame Retardance: Varies Halogen-Free: Yes Mechanical Durability: High (resists impact; tear; and flex) Environmental Suitability: Outdoor; oily; wet; or rough environments |

Technical Data Side 2

| | |
|---|---------------------------------------|
| Side 2 Product Sub Family: | 1-1/8" (9; 10; 12; 19 contacts) |
| Side 2 Type of Contact/Gender: | Socket Contacts / Female |
| Connector Design, Side 2: | 1-1/8" Female 19 Pole 0° |
| Attachment Type, Side 2: | Female Thread (coupling nut) |
| Number of Pins, Side 2: | 19 (18+PE) |
| Coding, Side 2: | A |
| Mating Cycles, Side 2: | ≤ 50 |
| Ambient Temperature (Operation), Side 2*: | - 40 °C to + 90°C |
| Pollution Degree, Side 2: | 3 acc. to DIN EN 60664-1 (VDE 0110-1) |
| Contact Base Material, Side 2: | Brass (CuZn) |
| Contact Plating, Side 2: | Gold / Silver alloy (Au / Ag) |
| Contact Bearer Material, Side 2: | Thermoplastic polyurethane (TPU) |

| | |
|--|---|
| Contact Bearer Color, Side 2: | Yellow |
| Flammability Class (Contact Bearer), Side 2: | UL 94 HB |
| Molded Body Material, Side 2: | Thermoplastic polyurethane (TPU) |
| Molded Body Color, Side 2: | Yellow |
| Flammability Class (Molded Body), Side 2: | UL 94 HB |
| Attachment Material, Side 2: | Aluminum (Al) |
| Attachment Plating, Side 2: | Anodized; Black |
| Fastening Torque (Attachment), Side 2: | 1-1/8": 70 Ncm, hand-tight |
| Note, Side 2: | Do not connect / disconnect under load. |

Approvals

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|----------|----------------|
| UL-File: | E315587 |
| UL: | UL 2238; cURus |

Safety & Environmental Compliance

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|-----------------|-----|
| RoHS Compliant: | Yes |
|-----------------|-----|

Notes

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

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