



**Product:** [RS 190M-669](#)

Life Cycle Status: Obsolete

Replaced by: [RS 190M-769](#)

Obsolete | Replacement: RS 190M-769

## Product Description

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

## 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
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

## Technical Data

Product Family:	Power Connector
Side 1 Product Sub Family:	1-1/8 (9; 10; 12; 19 contacts)*
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Side 1 Type of Contact/Gender:	Socket Contacts / Female
Connector Design:	1-1/8"   Male   19 Pole   0°
Number of Pins:	19 (18+PE)
Coding, Side 1:	A
Shielding Type:	Unshielded
Attachment Type:	Male Thread (coupling screw)
Voltage Rating:	300 V
Rated Voltage (UL):	300 V
Mating Cycles:	≤ 50
Ambient Temperature (Operation)*:	- 40 °C to + 90°C
Protection Degree / IP Rating**:	IP65, IP67, NEMA 6P

## Materials

Contact Base Material:	Brass (CuZn)
Side 1 Contact Plating:	Gold / Silver alloy (Au / Ag)
Contact Bearer Material:	Thermoplastic polyurethane (TPU)
Contact Bearer Color:	Yellow
Molded Body Material:	Thermoplastic polyurethane (TPU)
Molded Body Color:	Yellow
Attachment Material:	Aluminum (Al)
Attachment Plating:	Anodized; Black

## 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:	Polyurethane (PUR)
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 + 80°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

Approvals

UL-File:	E315587
UL:	UL 2238; cURus

Safety & Environmental Compliance

RoHS Compliant:	Yes
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Notes

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

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