



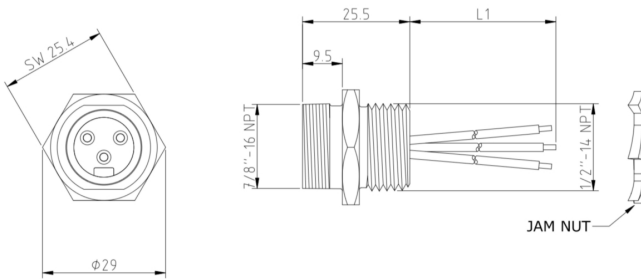
Product: [RKF 301-638](#)

7/8" Power Receptacle: Female, straight, 3-pin, front mount, 600 V, 10 A, with 16 AWG pigtail wires

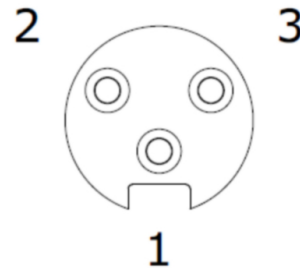
Product Description

7/8" Power Receptacle: Female, straight, 3-pin, front mount, 1/2" 14-NPT panel tap, 600 V (UL), 10 A (UL), 16 AWG, US Color Code

Technical Drawing



FACE VIEW FEMALE



- 1 = GN
- 2 = BK
- 3 = WH

US COLOR CODE

Technical Specifications

Technical Data

| | |
|---------------------------|--|
| Product Family: | Power Connector |
| Product Sub Family: | 7/8" |
| Brand: | Lumberg Automation |
| Connector Type: | Receptacle |
| Type of Contact / Gender: | Female |
| Connector Design: | Front Mount, 1/2-14 NPT panel tap size |

| | |
|-----------------------------------|------------------------|
| Number of Pins: | 3 |
| Coding: | A |
| Shielding: | Unshielded |
| Attachment Type: | Fixed, External Thread |
| Rated Voltage: | 600 V |
| Rated Voltage (UL): | 600 V |
| Rated Current*: | 10 A |
| Rated Current (UL)*: | 10 A |
| Ambient Temperature (Operation)*: | -40 °C to +90 °C |
| Protection Degree / IP Rating**: | IP65, IP67 |

Materials

| | |
|--------------------------|----------------------------------|
| Contact Base Material: | CuZn |
| Contact Plating: | Au over Ag |
| Contact Bearer Material: | TPU |
| Contact Bearer Color: | YE |
| Housing Material: | Zn die cast with black E-Coating |
| O-Ring Material: | FKM, panel side |
| Attachment Type, Side 2: | 1/2-14 NPT, Steel, Lock Nut |

Cable Data

| | |
|---------------------------|-----------|
| Conductor Size: | 16 AWG |
| Number of Wires: | 3 |
| Conductor material: | Cu |
| Wire Insulation Material: | PVC |
| Insulated Wire Diameter: | Ø 3.07 mm |
| UL Cable Type: | 1015/1230 |

Approvals

| | |
|----------|---------------|
| UL-File: | E315587 |
| UL: | UL recognized |

Safety & Environmental Compliance

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

Notes

| | |
|-------------------------------------|---|
| Note Derating: | Notice Derating |
| Protection Degree / IP Rating Note: | Protection Degree and IP Rating per test standard IEC 60529 using a Lumberg Automation mating product |
| Note: | Do not connect / disconnect under load |

Variants

| Item # | Item Description | Cable Length |
|-----------|------------------|--------------|
| 500000219 | RKF 301-638/1F | 1 ft |
| 500000217 | RKF 301-638/3F | 3 ft |
| 500000218 | RKF 301-638/6F | 6 ft |
| 500002313 | RKF 301-638/12F | 12 ft |

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