

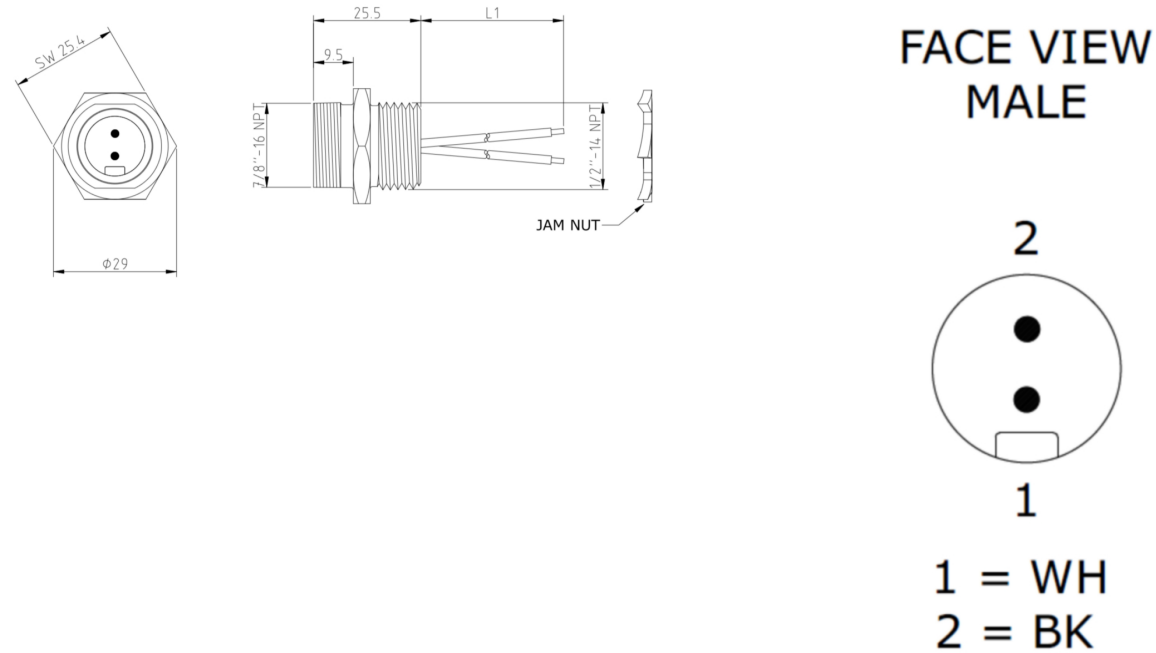


**Product:** [RSF 20-678](#)

7/8" Power Receptacle: Male, straight, 2-pin, front mount, 600 V, 12 A, with 16 AWG pigtail wires

**Product Description**  
7/8" Power Receptacle: Male, straight, 2-pin, front mount, 1/2" 14-NPT panel tap, 600 V (UL), 12 A (UL), 16 AWG, US Color Code

Technical Drawing



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: | Male                                   |
| Connector Design:         | Front Mount, 1/2-14 NPT panel tap size |

|                                   |                        |
|-----------------------------------|------------------------|
| Number of Pins:                   | 2                      |
| Coding:                           | A                      |
| Shielding:                        | Unshielded             |
| Attachment Type:                  | Fixed, External Thread |
| Rated Voltage:                    | 600 V                  |
| Rated Voltage (UL):               | 600 V                  |
| Rated Current*:                   | 12 A                   |
| Rated Current (UL)*:              | 12 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:          | 2         |
| 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 |
|-----------|------------------|--------------|
| 500000343 | RSF 20-678/1F    | 1 ft         |

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