lumbergautomation
A BELDEN BRAND

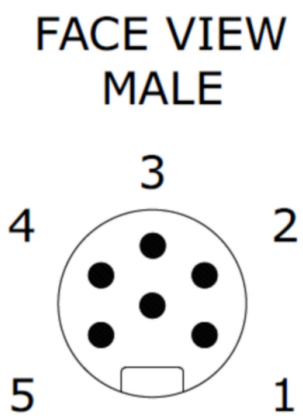
Product: RSF 50-642

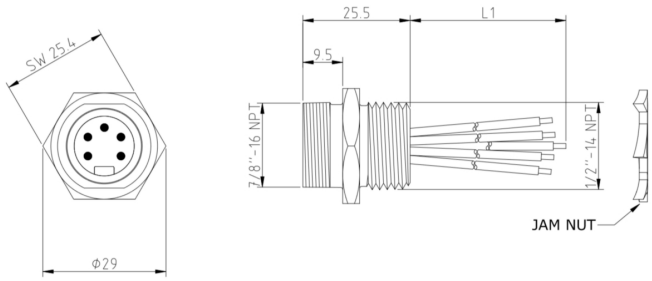
7/8" Power Receptacle: Male, straight, 5-pin, front mount, 600 V, 8 A, with 16 AWG pigtal wires

Product Description

7/8" Power Receptacle: Male, straight, 5-pin, front mount, 1/2" 14-NPT panel tap, 600 V (UL), 8 A (UL), 16 AWG, Automotive Color Code

Technical Drawing





1 = RD/WH
2 = RD
3 = GN
4 = RD/YE
5 = RD/BK

AUTOMOTIVE 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:	5
Coding:	A
Shielding:	Unshielded
Attachment Type:	Fixed, External Thread
Rated Voltage:	600 V
Rated Voltage (UL):	600 V
Rated Current*:	8 A
Rated Current (UL)*:	8 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:	5
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
500000348	RSF 50-642/1F	1 ft
500002271	RSF 50-642/3F	3 ft

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