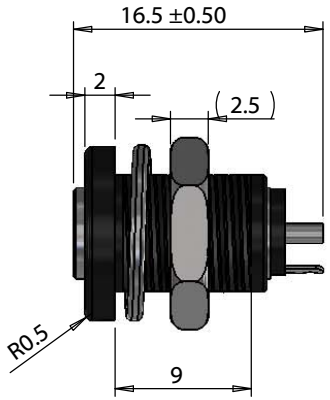
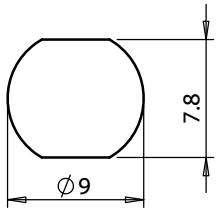
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	COMPONENT NOTES
1	50-00637	Connector, dc jack, 3.5x1.35xL16.5 mm, brass nickel plated, molding style, 105 °C	1	UL 94-V0
2	24-00354	Overmold, panel mount 3.5 mm dc jack, nylon	1	black, UL 94-V0
3	56-00021	Hardware, washer, lock, 12x9x1.1 mm, SPCC, nickel plated	1	
4	56-00020	Hardware, nut, hex, 11.0x2.5 mm, M9x1.0, brass, nickel plated	1	

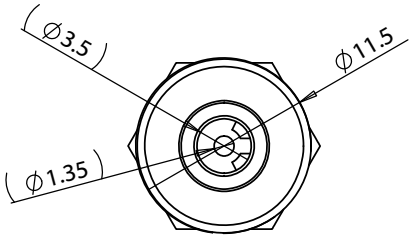


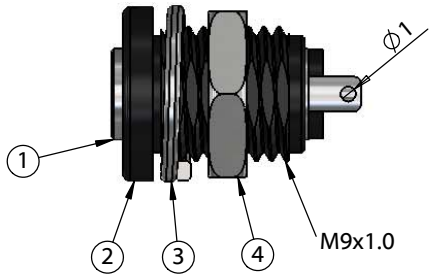
Installation Details

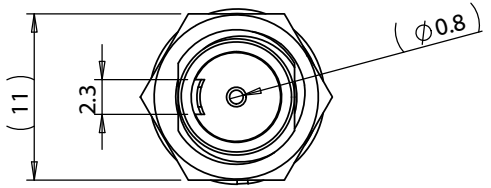
Panel thickness: 1.0 - 4.0

Recommended panel cutout:









Revision:	Date:	Description:
A	9/25/2020	Initial release

Prepared: AW Digitally signed by AW Date: 2020.09.25 13:34:01 -07'00'

Verified: AG Digitally signed by AG Date: 2020.09.25 13:46:36 -07'00'

Dimensions are in millimeters.
Tolerances:
X: ± 0.3 mm
X.X: ± 0.3 mm
X.XX: ± 0.1 mm

Notes:

RoHS compliant

Function test: no open, no short circuit, no intermittent

Description:

Connector, dc jack, 3.5x1.35x16.5 mm, panel mount, threaded, nut and washer, 105 °C

TENSILITY

tel 1.541.323.3228 *800* 877.670.7118
fax 1.541.323.4202 *web* tensility.com

Size: A

Part number: 54-00263

Scale: 2:1

Sheet 1 of 2

5 4 3 2 1

Downloaded from Arrow.com.

Ratings
Voltage: 48 V
Current: 6.5 A

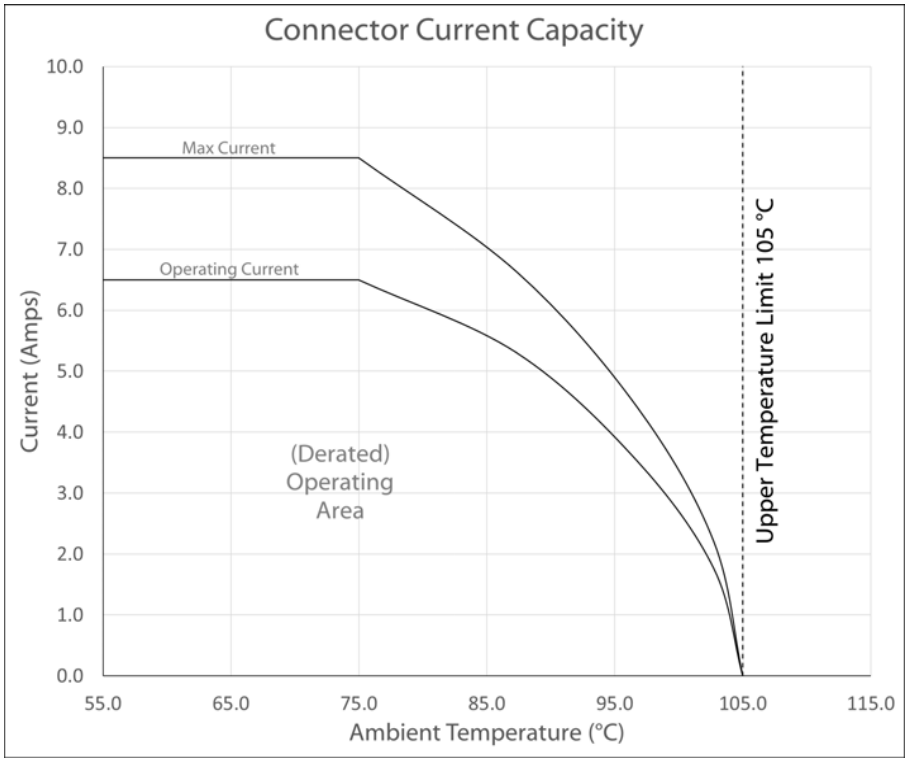
Operating Temperature Range
-40 ~ 105°C, relative humidity of 85% or less

Materials
1. Insulator: Nylon UL94-V0, black
2. Center pin: C3604 brass, 2 µm nickel plated
3. Shell: C3604 brass, 2 µm nickel plated
4. Spring contact: Beryllium copper, 2 µm nickel plated

Electrical Requirements
Dielectric strength: 1 min @ 500 Vac
Insulation resistance: 100 MΩ @ 500 Vdc
Contact resistance: 30 mΩ or less

Mechanical Requirements
Insertion force: 0.3-2.5 kgf
Withdrawal force: 0.3-2.5 kgf
Life cycle: 5000 mating cycles while maintaining 0.3 kgf min. insertion force, 0.2 kgf min. withdrawal force and less than 100 mΩ contact resistance.

Environmental Requirements
Heat test: 70 °C, relative humidity 70-85% for 96 hours while maintaining contact resistance: 100 mΩ or less, insulation resistance: 50 MΩ @ 500 Vdc, and without looseness or deformation
Humidity test: 40 °C, relative humidity 90-100% for 96 hours while maintaining dielectric strength: 1 min @ 500 Vac, insulation resistance: 50 MΩ @ 500 Vdc, and contact resistance: 100 mΩ or less
Salt spray test: 35±2 °C, relative humidity 90-95%, 5% NaCl mist for 24 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 80 mΩ.



Testing based on IEC 60512-5-2. Max current curve generated with isolated test article under controlled environmental conditions, and does not take into account external factors such as housings,mating cables, or other circuitry. Operating current curve (derated by 20% of maximum values) accounts for external factors, and manufacturing variation.

Revision:	Date:	Description:
A	9/25/2020	Initial release

Prepared:
AW
Digitally signed by AW
Date: 2020.09.25 13:34:10 -07'00'

Verified:
AG
Digitally signed by AG
Date: 2020.09.25 13:46:56 -07'00'

Notes:
RoHS compliant

Function test: no open, no short circuit, no intermittent

Description:
Connector, dc jack, 3.5x1.35x16.5 mm, panel mount, threaded, nut and washer, 105 °C

TENSILITY
tel 1.541.323.3228 800 877.670.7118
fax 1.541.323.4202 web tensility.com

Size: A
Part number: 54-00263
Scale: 2:1
Sheet 2 of 2

5 4 3 2 1

Downloaded from Arrow.com.