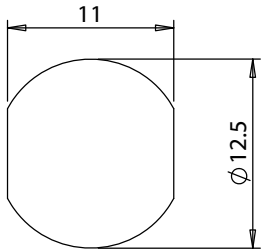
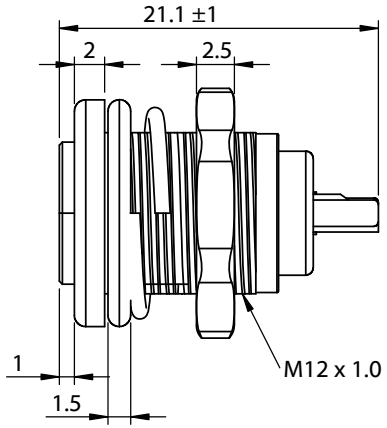
ITEM NO.	DESCRIPTION	MATERIAL	QTY.	NOTES
1	50-00999	Connector, dc jack, 5.5x2.5xL22.0 mm, nickel plating, molding style, switch	1	
2	24-00387	Overmold, jack, Ø15 mm, panel mount, M12x1.0	1	LCP, black
3	55-00177	Gasket, Ø12 ID x Ø15 OD x 1.5mm, silicone, black	1	
4	56-00024	Hardware, nut, hex, 15x2.5 mm, M12x1.0, brass, nickel plated	1	
5	56-00025	Hardware, washer, lock, M12, nickel plated	1	
6	Epoxy	Epoxy resin, high temperature	1	

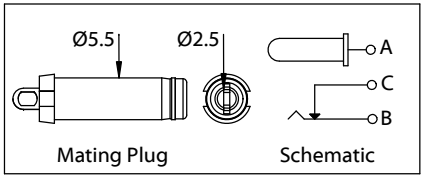
Installation Details

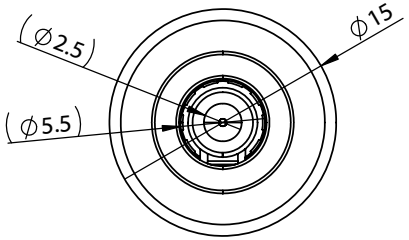
Panel thickness: 4.5 mm max

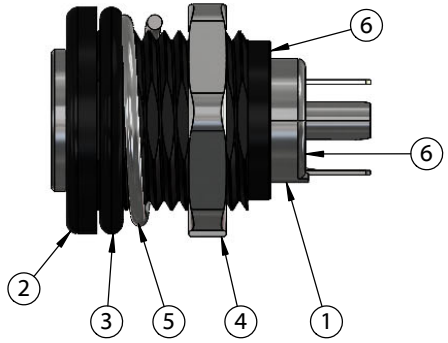
Recommended panel cutout:

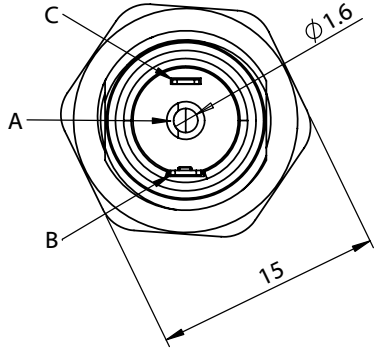












Notes:

Panel ingress protection: IP67

Revision:	Date:	Description:
A	8/16/2022	Initial release

Prepared: MP Digitally signed by MP Date: 2022.08.22 12:03:05 -07'00'

Verified: JD Digitally signed by JD Date: 2022.08.22 13:44:08 -07'00'

Dimensions are in millimeters.
Tolerances:
X: ± 0.3 mm
X.X: ± 0.1 mm
X.XX: ± 0.05 mm

Notes:

RoHS compliant

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

Description:

Connector, dc jack w/switch, 5.5x2.5xL22 mm, panel mount, threaded, nut and washer, IP67

TENSILITY

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

Size: A

Part number: 54-00308

Scale: 2:1

Sheet 1 of 2

To see a custom version of this cable assembly, call Tensility at 541-323-3228 or email engineering@tensility.com

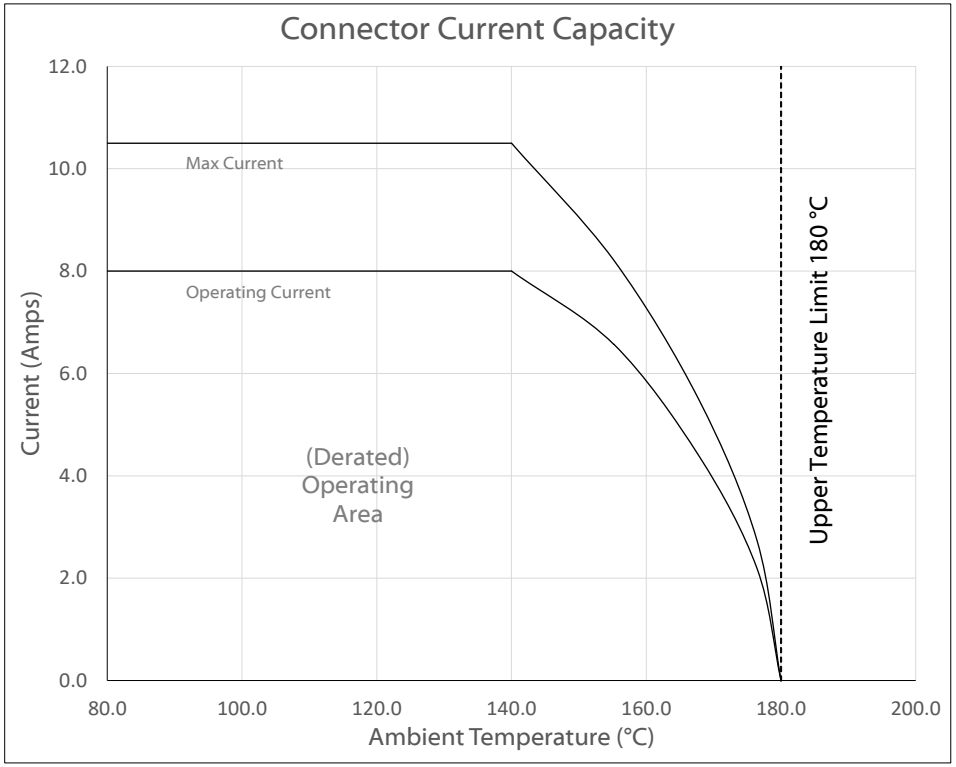
Ratings
Voltage: 48 Vdc
Current: 8.0 A

Operating Temperature Range
-30° to 180°C

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

Mechanical Requirements
Insertion force: 0.4-4 kgf
Withdrawal force: 0.4-4 kgf
Life cycle: 5000 mating cycles while maintaining 0.4 kgf min. insertion force, 0.4 kgf min. withdrawal force and less than 100 mΩ contact resistance.

Environmental Requirements
Cold test: -25 ±3 °C for 48 hours without deformation
Heat test: 70 ±2 °C, relative humidity 70-85% for 48 hours without deformation
Humidity test: 40 ±2 °C, relative humidity 90-95% for 48 hours without deformation



Testing based on IEC 60512-5-2. Max current curve generated with isolated test article under controlled environmental conditions, based on a 40°C temperature rise difference. Test 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	8/16/2022	Initial release

Prepared:

Verified:

Dimensions are in millimeters.
Tolerances:
X: ± 0.3 mm
X.X: ± 0.1 mm
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TENSILITY
tel 1.541.323.3228 *800* 877.670.7118
fax 1.541.323.4202 *web* tensility.com

Size: A

Part number: 54-00308

Scale: 2:1

Sheet 2 of 2

5 4 3 2 1

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Unikeyic Electronics

Global Electronic Components Distributor

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