

Voltage: 30 Vdc
Current: 300 mA

-25° to 85°C, relative humidity of 85% or less

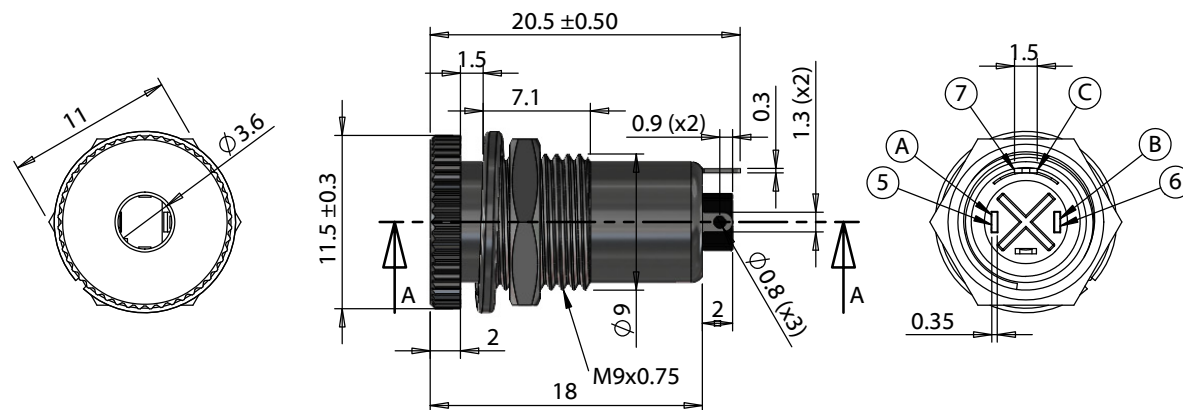
1. Insulator: nylon, black
2. Insulator: nylon, black
3. Shell: brass, nickel-plated
4. Spring contact: phosphor bronze, nickel-plated
5. Spring contact: phosphor bronze, nickel-plated
6. Spring contact: phosphor bronze
7. Solder tab: brass, nickel-plated
8. Nut: brass, nickel-plated, P/N 56-00004, M9x 0.75
9. Split washer: cold rolled steel, nickel-plated, P/N 56-00005

Dielectric strength: 1 min @ 500 Vac
Insulation resistance: 100 MΩ @ 500 Vdc
Contact resistance: 50 mΩ or less

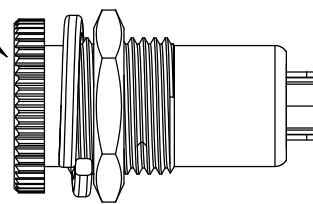
Insertion force: 0.3-2 kgf
Withdrawal force: 0.3-2 kgf
Terminal strength: a static load of 300 gf shall be applied to the terminal for 15 seconds in any direction.
Life cycle: 5000 mating cycles while maintaining less than 100 mΩ contact resistance, 50MΩ insulation resistance, and 500 Vac for 1 minute withstand voltage.

Solderability: 75% minimum coverage when terminals dipped 2mm in $235 \pm 5^\circ\text{C}$ solder bath for 3 ± 0.5 seconds
Solder bath durability: no deformation when immersed in $255 \pm 5^\circ\text{C}$ up to surface of the board 1.6 mm for 5 seconds or less
Solder iron durability: no deformation when exposed to $350 \pm 10^\circ\text{C}$ for 3 ± 0.5 seconds

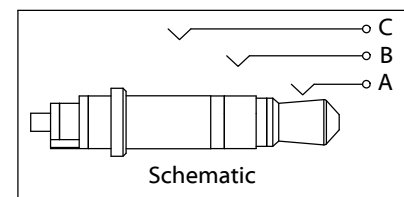
Cold test: $-25 \pm 3^\circ\text{C}$ for 48 hours without deformation
Heat test: $85 \pm 2^\circ\text{C}$, relative humidity 45-85% for 48 hours without deformation
Humidity test: $40 \pm 2^\circ\text{C}$, relative humidity 90-98% for 48 hours without deformation



Install from outside of the panel,
attach nut and tighten from within.



Panel thickness: 1.0 - 4.8 mm
Panel cutout Ø: 9.2 - 10.5 mm



Revision:	Date:	Description:	Prepared:	Notes:	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com	
A	8/08/2017	Initial release	CR			
			Verified:	RoHS compliant		
			KW	Function test: no open, no short circuit, no intermittent		
			Dimensions are in millimeters. Tolerances: X: ± 0.3 mm X.X: ± 0.1 mm X.XX: ± 0.05 mm	Description:	Size:	Part number:
				Connector, stereo jack, 3.5xL20.5 mm, panel mount, nickel plated, threaded, nut and washer	A	54-00081
					Scale:	2:1
						Sheet 1 of 1