

1. Insulator, PBT + 15% glass fiber, white
2. Shell, C2700 brass, 2 μ m nickel plated
3. Spring contact, C5191 phosphor bronze, 2 μ m nickel plated

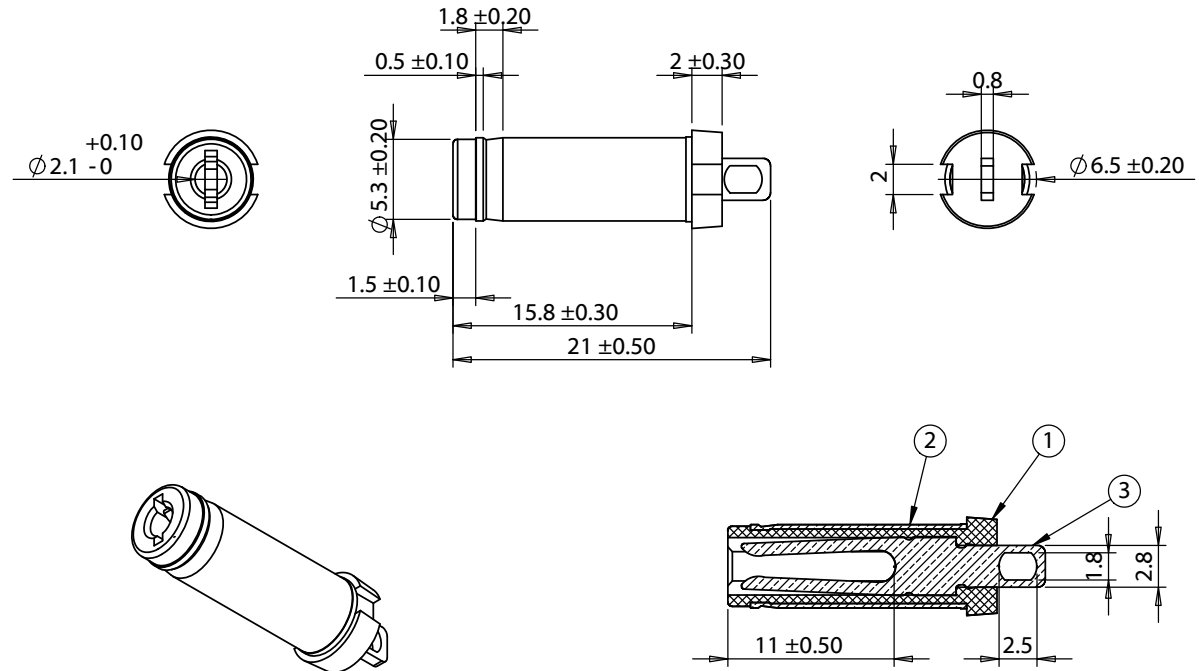
Dielectric strength: 1 min @ 500 Vac
Insulation resistance: 100 MΩ @ 500 Vdc
Contact resistance: 30 mΩ or less
Rated voltage: 20 Vdc
Rated current: 7 A

Insertion force: 0.3-3 kgf
Withdrawal force: 0.3-3 kgf
Durability: 5000 mating cycles while maintaining; 0.3-2 kgf insertion force, 0.2-1.5 kgf withdrawal force and a less than 100 mΩ contact resistance.

Damp test: 40 °C, RH 90-100% for 96 hrs. Cool to ambient and recover for 2 hours. Maintain dielectric strength of 500 Vac for 1 min, insulation resistance of 50 MΩ @ 500 Vdc minimum and a contact resistance of 100 mΩ or less.

Salt spray test: 35 °C, RH 90-95%, 5% NaCl mist for 24 hrs.
Wash parts after test. Maintain mechanical requirements
and a contact resistance of less than 80 mΩ.

-25 to 70 °C, relative humidity of 85% or less



Revision	Date	Description	Notes		TENSILITY 20802 Sockeye Place #130 Bend, OR 97701 USA <i>tel 541.323.3228 fax 541.323.4202</i> 800 877.670.7118 www.tensility.com		
A	11/7/2012	Initial release	RoHS compliant				
			Function test: no open, no short circuit, no INT				
			DIMENSIONS ARE IN MILLIMETERS	DESCRIPTION:	SIZE	Part number	
			TOLERANCES:	Connector, dc plug, 5.5x2.1xL21mm, brass, nickel-plated, molding type, white insulators	A	50-00313	
			X: ± 0.5 mm		SCALE: 2:1	WEIGHT:	SHEET 1 OF 1
			X.X: ± 0.3 mm				
			X.XX: ± 0.05 mm				