**Style** M8 Plug, shielded 4 pin A-coding

Ratings Voltage: 30 V Current: 3 A

# Operating Temperature Range -40~105 °C

# Materials

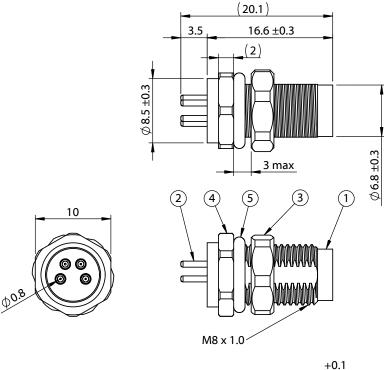
- (1) Insulator: PA66, UL 94 HB, black

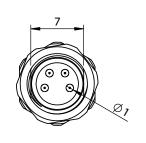
- 2) Pin: C3604 brass, gold flashing 3) Nut: C3604 brass, nickel plated 4) Shell: C3604 brass, nickel plated 5) O-ring: Nitrile rubber, black

Electrical Requirements
Dielectric strength: 1 min @ 500 Vac Insulation resistance: 100 M $\Omega$  @ 500 Vdc Contact resistance: 10 m $\Omega$  or less

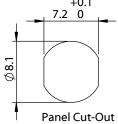
**Mechanical Requirements** Life cycle: 1000 mating cycles minimum

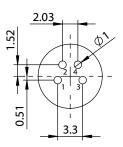
Environmental Requirements
Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 24 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 10 m $\Omega$ . Waterproof: IP67











**PCB** Layout

Revision:	Date:	Description:	Prepared:	Notes:			
Α	8/24/21	Initial Release		RoHS compliant		FNSII ITY	
			Verified:  Dimensions are in millimeters. Tolerances: X: ± 0.3 mm X.X: ± 0.1 mm X.XX: ± 0.05 mm	Function test: no open, no short circuit, no intermittent	tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com  Size: Part number:		
				Description:			
				Connector, 4 pin M8 A-code plug, 8x20.1 mm, gold plated, panel mount, PCB, IP67	Α	А 54-00276	
					Scale:	2:1 Sheet 1 of 1	

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