



1A Series

Sealed Miniature Toggle Switches

IP 67
ACCORDING TO
EN 60529:1991+A1:2001
IEC 60529:2001

C US
E 187490

RoHS
compliant



1 A
Toggle Switches

SPECIFICATIONS

CONTACT RATING: 0.4Volt-Amps(VA) max.@20V max(AC or DC)

MECHANICAL LIFE: 100,000 make-and-break cycles.

ELECTRICAL LIFE: 50,000 cycles.

CONTACT RESISTANCE: 10 mΩ max. (initial value) @ 2-4VDC
100mA for both silver and gold plated contacts.

INSULATION RESISTANCE: 100MΩ min/1000VDC

DIELECTRIC STRENGTH: 1,000 V RMS@sea level.(initial value)

OPERATING TEMPERATURE: -30°C to 85°C.

GENERAL SPECIFICATIONS

TORQUE: 0.8Nm max.

PANEL THICKNESS: 6mm max., 2mm min.

MATERIALS

CASE & BUSHING: Glass filled nylon 6/6, flame retardant.
heat stabilized (UL94v-0).

ACTUATOR: Brass, chrome plated, internal o-ring sealed.

SWITCH SUPPORT: Brass or steel, tin plated.

CONTACT / TERMINALS: Copper, silver or gold plated.



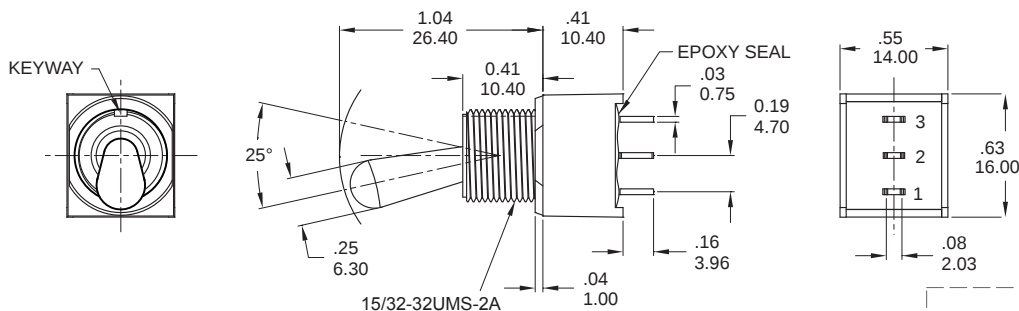
SWITCH FUNCTION

NO. POLES	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS / SCHEMATIC		
		POS.1	POS.2	POS.3	POS.1	POS.2	POS.3
							
SP	1AS1	ON	NONE	ON		N/A	
	1AS2	ON	NONE	(ON)		OPEN	
	1AS3	ON	OFF	ON			
	1AS4	(ON)	OFF	(ON)			
	1AS5	ON	OFF	(ON)	2-3	N/A	OPEN
	1AS9	ON	NONE	OFF			
	1ASD *	(ON)	NONE	OFF		N/A	

(ON) =MOMENTARY

* Omit terminal 1

DIMENSION



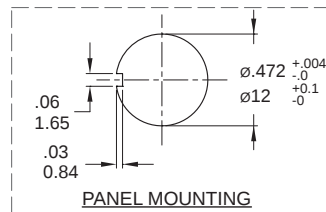
Model name. 1AS□ T8B22M1□ ES

Model No.

Terminal plating

QD Silver

RP Gold



HARDWARE

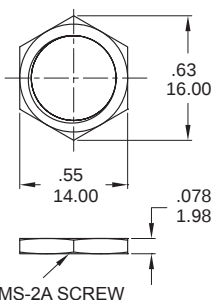
NUT

Model name. MNU-1M07

EXAMPLE: -
Model name.

5 Standard hardware

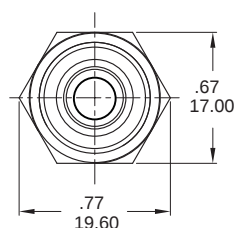
Note: Standard hardware : 1 nut, 1 sealing boots



15/32-32UMS-2A SCREW

SEALING BOOTS

Model name. PG2A-RUBBER-HOOD



O-Ring
(FCP-A390)