



Snap Action Joysticks

SERIES 04JT

Joystick with Tactile Feel

FEATURES

- Dynamically sealed against contamination to IP67 when properly mounted
- Available in above and below panel mount
- RoHS compliant
- High life (250,000 Operational Cycles)
- Short behind panel length (0.689")

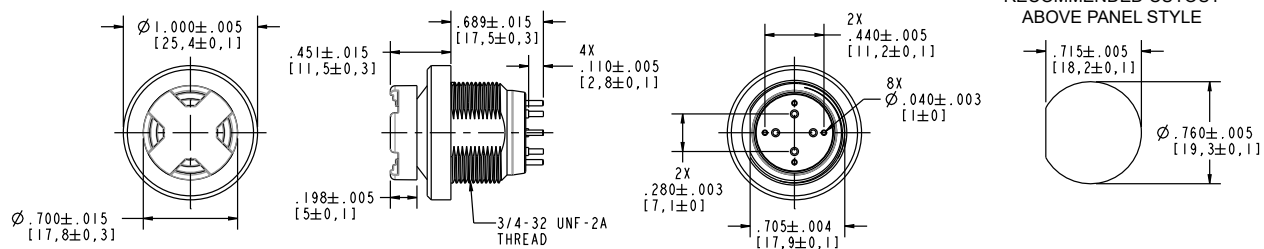
DESCRIPTION

Series 04JT is a single pole, 4-way toggle switch with a tactile feel. 4-way contact is made in the opposite direction of travel.

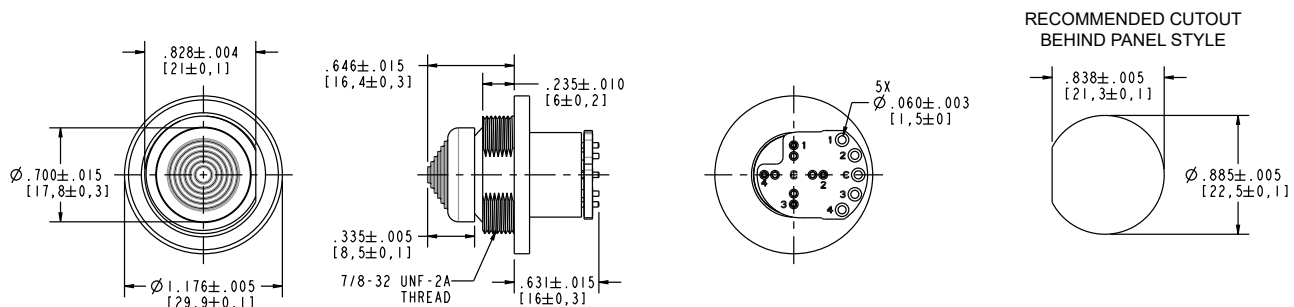


DIMENSIONS in inches (and millimeters)

ABOVE PANEL, STADIUM CAP, PC TERMINAL STYLE



BEHIND PANEL, CONE CAP, PCB MOUNTED STYLE



ELECTRIC & MECHANICAL RATINGS

Lower Level Rating: 10mA (max) Resistive @ 5VDC
Contact Resistance: 50m Ω (max)
Operating Temperature: -55°C to +85°C
Operational Life: 250,000 cycles
Insulation Resistance: 10,000M ohms
Toggle Lever Travel: 12° from center (max)
Toggle Operating Force: 16 oz $\pm$ 6 oz initial
Toggle Pivot & Stop Strength: 25 lbs. (max)

Mechanical Shock: per MIL-STD-810, procedure I, method 516.4

Immersion: per MIL-PRF-8805, sealed to IP67
Moisture Resistance: per MIL-DTL-9419

Vibration: per MIL-DTL-9419G, Method 4.7.11

Terminal Strength: Over 30 lbs. for 1 minute, per MIL-DTL-9419G, Paragraph 4.7.6

Altitude: Up to 60,000 ft per MIL-DTL-9419G, Paragraph 4.7.16

Solderability: per MIL-DTL-9419G, Paragraph 4.7.19

MATERIALS & FINISHES

Cap: Thermoplastic

Bushing: Aluminum alloy (black chrome finish)

Contact Terminals: 1/2 hard brass (gold over silver over nickel plating)

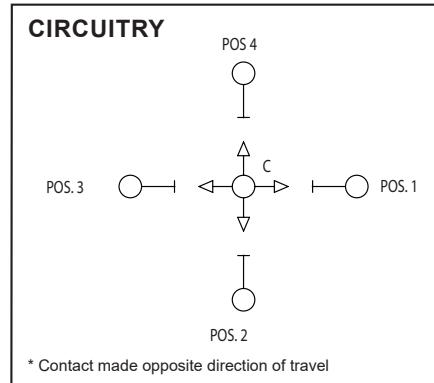
Hex Nut: Aluminum alloy (black chrome finish)

O-Ring: 50 durometer fluorosilicone

Spanner Nut: Stainless Steel (black chrome finish)



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ORDERING INFORMATION

04JT-XX-XXX-X

GRAYHILL SERIES NUMBER

MOUNTING: A = ABOVE PANEL, B = BEHIND PANEL
 CONNECTION: P = PC TERMINALS, B = PC BOARD ON SWITCH

ACTUATION*: BLANK = STANDARD, 4 = 4-WAY, 8 = 8-WAY
 CURRENT RATING: 2 = STANDARD
 CAP COLOR: 0 = BLACK, I = GARY
 CAP SHAPE: C = CONE-SHAPED, T = STADIUM

*ACTUATION DESCRIPTIONS

STANDARD OPTION IS MAKE-BEFORE-BREAK WHEN ROLLING ACTUATOR BETWEEN ADJACENT POSTPOSITIONS.
 DIAGONAL ACTUATION FROM CENTERING DOES NOT ACTIVATE EITHER ADJACENT POSITION.

4-WAY OPTION IS BREAK-BEFORE-MAKE PREVENTING ADJACENT POSITIONS FROM BEING ACTIVE SIMULTANEOUSLY.
 DIAGONAL ACTUATION FROM CENTER DOES NOT ACTIVATE EITHER ADJACENT POSITION.

8-WAY OPTION ALLOWS ACTIVATION OF TWO ADJACENT POSITIONS DIRECTLY FROM CENTER WITH DIAGONALLY ACTUATION