Pushbutton Switches

MINIATURE SEALED ELECTRO-MECHANICAL

This rugged multi-option sealed pushbutton series offers the utmost in choices of mounting styles, colors, terminations, bezels, lighting and momentary or alternate-action switching. The Series 48 offers all these options in one compact package size.

APPLICATIONS

- Office equipment
- Medical equipment
- Industrial machinery
- · Outdoor controls
- Mass transportation
- Food processing equipment



ACTUAL SIZE

KEY FEATURES:

- · Momentary or maintained action
- Gold contacts
- Many button colors
- Choice of LED colors (or non-lighted versions)
- Long life
- · Solder or PC terminals
- Panel sealed to IP 67

ORDERING INFORMATION:

Switch Function	Switch Termination	Module Type	Bezel Type	LED Color	Button Color	Mounting Type	Voltage Resistor
Momentary	Solder Tabs	48-1	RB - Round, Black	N - None	RD - Red	B - Bushing	If Blank*
Maintained	Solder Tabs	48-2	SB - Square, Black	R - Red	GR - Green	S - Snap-fit	<u>05</u> - 5V forward
Momentary	PC	48-5	RC - Round, Chrome	G - Green	BK - Black	T	T
Maintained	PC	48-6	SC - Square, Chrome	Y - Yellow	BL - Blue		
Momentary	Wire Leads	48-A	T	A - Amber	YL - Yellow		
Maintained	Wire Leads	48-B		B - Blue	OR - Orange		
		T		W - White	CR - Chrome		
				T	PK - Black with		
					Standby Symbo	ı	
					WH - White		
			48-				

STANDARDS / AGENCY / RATINGS:







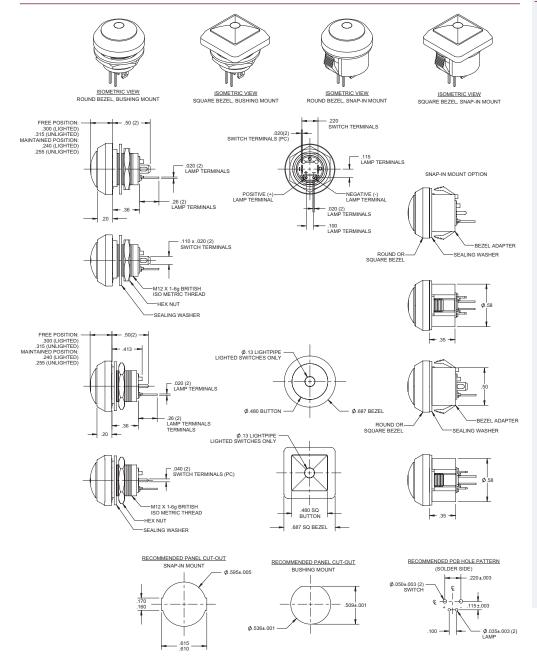




* Current limiting resistor is required to limit LED forward current to 20 mA

(not included).

PRODUCT DRAWINGS



MECHANICAL / ELECTRICAL CHARACTERISTICS:

Circuit: SPST-NO-DB

Button travel (nominal):

0.09 inches / 2.3 mm

Operating force (nominal):

3N / 306 grams

Contact bounce (nominal):

1 millisecond

Panel thickness:

0.02 - 0.12 inches / 0.5 - 3mm

Temperature index:

-40° F to + 185° F

LED operating temperature:

-13° F to +185° F/

-25° C to +85° C

Current ratings (resistive):

250mA @ 12VDC, 100K cycles

150mA @ 28VDC, 150K cycles (momentary)

100mA @ 48VDC, 100K cycles

10mA @ 12VDC, 1 million cycles (momentary)

Dielectric strength:

1,000 VAC

Insulation resistance:

1G OHM

Contact resistance:

50 m Ω max (initial)

Torque (max):

10 inch pounds

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

ITW Switches:

48-2-RC-N-CR-B 48-1-SB-N-BK-B 48-1-RB-N-BK-B 48-1-SB-N-RD-B 48-1-RB-N-RD-B 48-5-RB-G-BK-B 48-5-RB-N-BK-B 48-2-RB-R-BK-B 48-1-RB-R-BK-B 48-2-RB-N-RD-B 48-1-RC-N-CR-B 48-1-SB-R-BK-B 48-1-SB-R-BK-B 48-1-RB-N-GR-B 48-1-RB-N-GR-B 48-1-RB-N-BL-B 48-1-RB-N-BK-S 48-2-RB-W-YL-B 48-1-RB-G-BK-B 48-1-RB-N-RD-S