

SERIES 48SS:



ACTUAL SIZE



MINIATURE HALL-EFFECT SEALED PUSHBUTTON SWITCHES

This rugged sealed pushbutton switch uses a Hall-Effect sensor to achieve extremely long life, up to 1,000,000 cycles momentary. This switch is suited for harsh environments where long life and reliability are needed.

KEY FEATURES:

- 1,000,000 cycles momentary
- Momentary and maintained action
- Hall-Effect technology
- Panel sealed to IP67
- Square and round versions available
- Variety of colors

APPLICATIONS

- Communications
- Data entry
- Hand-held control modules
- Outdoor controls
- Mass transport controls
- Instrumentation

ORDERING INFORMATION:

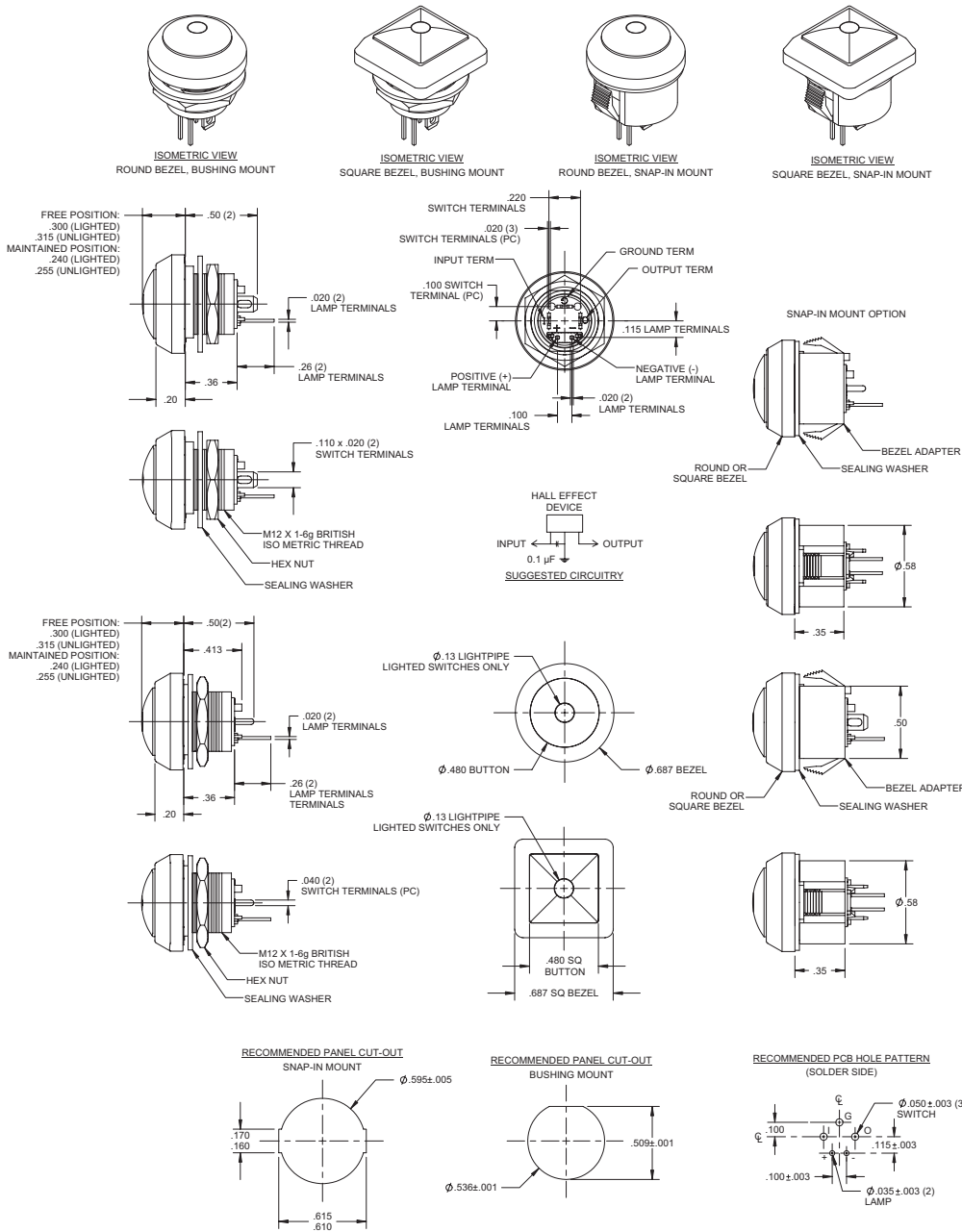
Switch Function	Switch Termination	Module Type	Bezel Type	LED Color	Button Color	Mounting Type	Voltage Resistor
Momentary	Solder Tabs	48-3	RB - Round, Black	N - None	RD - Red	B - Bushing	If Blank*
Maintained	Solder Tabs	48-4	SB - Square, Black	R - Red	GR - Green	S - Snap-fit	05 - 5V forward
Momentary	PC	48-7	RC - Round, Chrome	G - Green	BK - Black		
Maintained	PC	48-8	SC - Square, Chrome	Y - Yellow	BL - Blue		
Momentary	Wire Leads	48-C		A - Amber	YL - Yellow		
Maintained	Wire Leads	48-D		B - Blue	OR - Orange		
				W - White	CR - Chrome		
					PK - Black with Standby Symbol		

* Current limiting resistor is required to limit LED forward current to 20 mA (not included).

STANDARDS / AGENCY / RATINGS:



PRODUCT DRAWINGS



MECHANICAL / ELECTRICAL CHARACTERISTICS:

- Circuit:**
SPST-NO
- Button travel (nominal):**
0.09 inches / 2.3 mm
- Life (mechanical) (nominal):**
1,000,000 cycles (momentary)
100,000 cycles (maintained)
- Operating force (nominal):**
3N / 306 grams
- 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
- Supply voltage:**
4.2V to 24V, 26.5V Max.
- Supply current:**
B<Brp, Vcc=12V: 3mA Typ.
To 8mA Max.
B>Bop, Vcc=12V: 4mA Typ.
To 8mA Max.
- Output current:**
20 mA
- Reverse battery voltage:**
-30V Max.
- Reverse output current:**
-50mA Max.
- Torque (max):**
10 inch pounds

Kit Contents		
Description	Quantity	Comments
Switches	8	
Actuators		
Round	14	2 each of the following colours: Blue, Red, Yellow, Orange, Green, Black, Chrome
Round with Hole	14	2 each of the following colours: Blue, Red, Yellow, Orange, Green, Black, Chrome
Square	14	2 each of the following colours: Blue, Red, Yellow, Orange, Green, Black, Chrome
Square with Hole	14	2 each of the following colours: Blue, Red, Yellow, Orange, Green, Black, Chrome
Rubber Washers	8	
Nuts	8	
LEDs	6	
Round Bezels	8	4x Black, 4x Chrome
Square Bezels	8	4x Black, 4x Chrome
Tweezers	1 Pair	