



## Flex-Tech Miniature Sealed Pushbutton Switches

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

### APPLICATIONS

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

### ORDERING INFORMATION:

| Switch Function                                                                        | Switch Termination | Module Type | Bezel Type          | LED Color  | Button Color | Mounting Type |
|----------------------------------------------------------------------------------------|--------------------|-------------|---------------------|------------|--------------|---------------|
| Momentary                                                                              | Solder Tabs        | 48-1        | RB - Round, Black   | N - None   | RD - Red     | B - Bushing   |
| Maintained                                                                             | Solder Tabs        | 48-2        | SB - Square, Black  | R - Red    | GR - Green   | S - Snap-fit  |
| Momentary                                                                              | PC                 | 48-5        | RC - Round, Chrome  | G - Green  | BK - Black   |               |
| Maintained                                                                             | PC                 | 48-6        | SC - Square, Chrome | Y - Yellow | BL - Blue    |               |
|                                                                                        |                    |             |                     | A - Amber  | YL - Yellow  |               |
|                                                                                        |                    |             |                     | B - Blue   | OR - Orange  |               |
|                                                                                        |                    |             |                     | W - White  | CR - Chrome  |               |
| <div> <div>48-X</div> <div>-XX</div> <div>-X</div> <div>-XX</div> <div>-X</div> </div> |                    |             |                     |            |              |               |

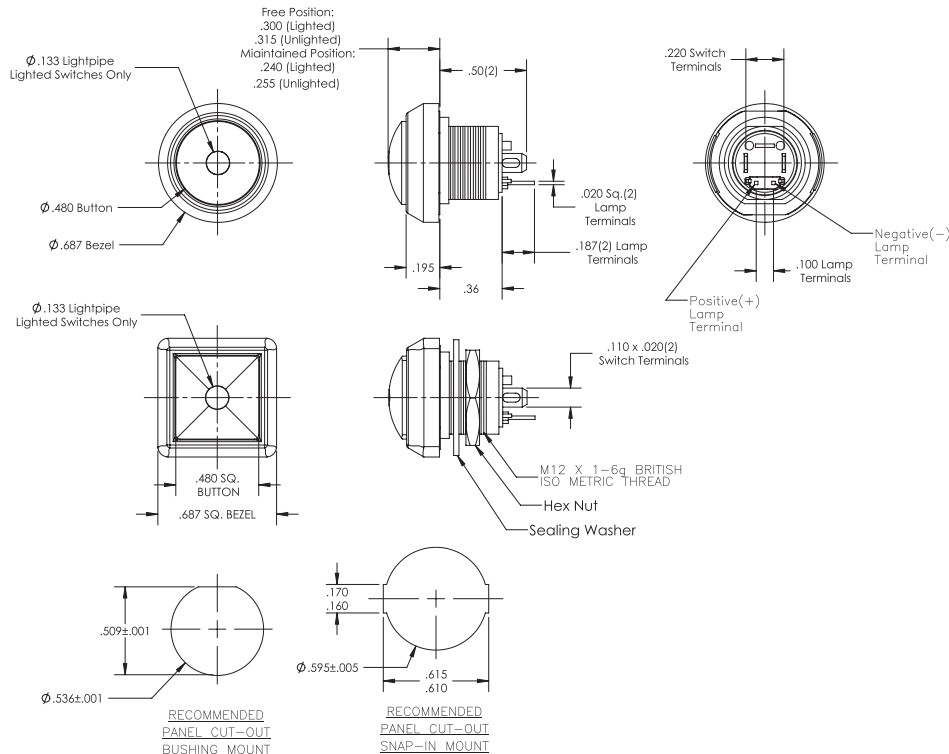
### STANDARDS / AGENCY / RATINGS:

Patent # 6,965,085

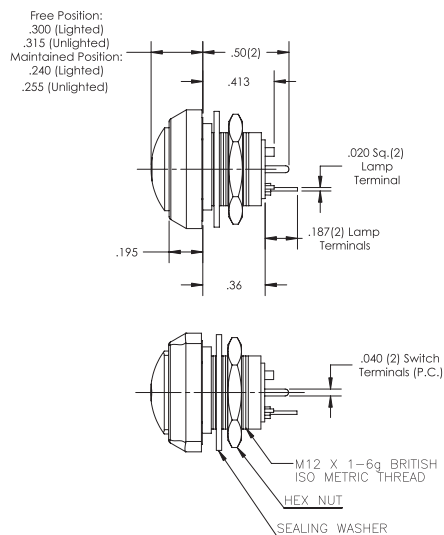


## SERIES 48—FLEX-TECH MINIATURE SEALED PUSHBUTTON

### SOLDER TAB TERMINALS



### PC TERMINALS



### MECHANICAL / ELECTRICAL CHARACTERISTICS:

#### Circuit:

SPST-N0-DB

#### Button travel (nominal):

.09/2.3 mm

#### Life (mechanical) (nominal):

1,000,000 cycles (momentary)

100,000 cycles (maintained)

#### Operating force (nominal):

3N/306g

#### Contact bounce (nominal):

1 ms

#### Panel thickness:

.02 - .12 / 1.5-3mm

#### Temperature index:

-40°F to + 185°F

#### Current ratings:

400mA, 32 VAC Res.

100 mA, 50 VDC Res.

125mA, 125 VAC Res.

#### Dielectric strength:

1,000 VAC

#### Insulation resistance:

1G OHM

#### Contact resistance:

50m OHMS

#### Torque (max):

10 inch pounds

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