

SNAP ACTION

CUSTOM ASSEMBLIES

PUSH BUTTON

SEALED

ROCKER

INDICATOR

SLIDE

VANDAL RESISTANT

ILLUMINATED

ACTIVE TOUCH

Series 47



Low Cost Sealed Pushbutton Switch

The Series 47 is a uniquely designed sealed miniature pushbutton switch. The silicone button and body can be panel mounted and terminated with a standard connector or mounted in a P.C. board. The switches come in two levels of sealing: a panel sealed only version and a fully sealed version with epoxy sealed base. Both meet IP67 requirements. The buttons are available in seven different colors. All this at a very affordable price.

Key Features

- Sealed to IP67
- Small size
- 7 button colours
- P.C. terminals (connector available)
- Long life
- Low cost

Typical Applications

- Marine equipment
- Medical equipment
- Outdoor controls
- Food processing equipment
- Appliances
- Recreational vehicles



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ELECTRONIC CONNECTORS

TW Switches

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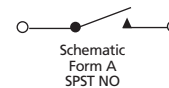
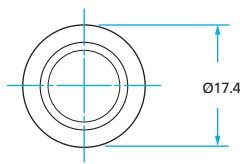
Standards / Agency / Ratings



Patent # 6,965,085

Series 47 Low Cost Sealed Pushbutton

47-11X1 and 47-21X1



Mechanical/Electrical Characteristics:

■ **Travel (nom)**

.020" (0.5mm)

■ **Life (min)**

100,000 cycles

■ **Operating force (nom)**

1,000g

■ **Sealed to**

IP67

■ **Operating temperature**

-40°C to +85°C

■ **Button material**

silicone

■ **Contact**

metal snap dome providing
a tactile feel

■ **Terminal finish**

gold over nickel

■ **Dielectric strength**

1,000 VRMS

■ **Insulation Resistance**

10,000 Meg Ohms

■ **Contact Resistance
(initial)**

<100 Ohms

■ **Current rating**

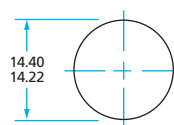
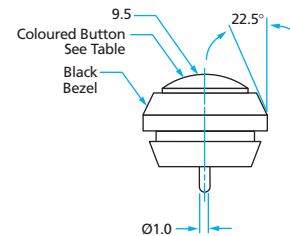
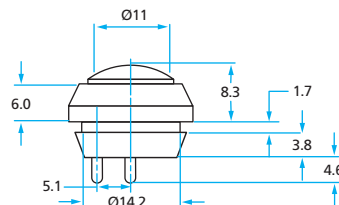
20 mA @28 VDC

■ **Switch terminals
mate with ITW Pancon
Mas-Con Connector**

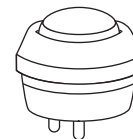
CE100F24-3-DB

■ **Recommended panel
thickness**

.060 (1.52mm) max



Recommended
Panel Cut-out



Ordering Information

Part Number	Button Colour	Panel Sealed	Epoxy Sealed Base
47 -1111	Black	✓	✓
47 -1121	Red	✓	✓
47 -1131	Green	✓	✓
47 -1141	White	✓	✓
47 -1151	Yellow	✓	✓
47 -1161	Blue	✓	✓
47 -1171	Orange	✓	✓
47 -2111	Black	✓	
47 -2121	Red	✓	
47 -2131	Green	✓	
47 -2141	White	✓	
47 -2151	Yellow	✓	
47 -2161	Blue	✓	
47 -2171	Orange	✓	

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