

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

TW Switches

Standards / Agency / Ratings



Patent # 6,965,085

Series 47

Low Cost Sealed Pushbutton

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

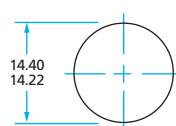
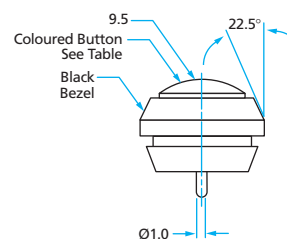
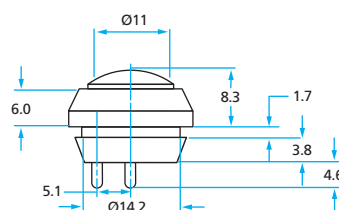
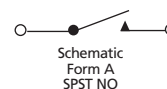
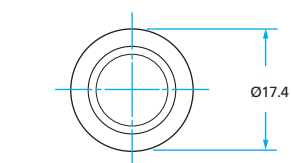
■ Switch terminals mate with ITW Pancon Mas-Con Connector

CE100F24-3-DB

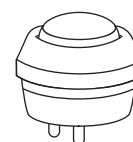
■ Recommended panel thickness

.060 (1.52mm) max

47-11X1 and 47-21X1



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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