

## SERIES SA12 - PANEL SEALED 2 AND 5 AMP PUSHBUTTON SWITCHES

The ITW SA12 series pushbutton offers the utmost in choices of mounting style, button colours, terminations, bezels and lighting switching. The switch is available with Gold (2A) or Silver (5A) contact types and with the butterfly configuration provides have a positive snap action feel. Bushing mount or snap-in mounting available. They are ideal for rugged applications that require a long life.



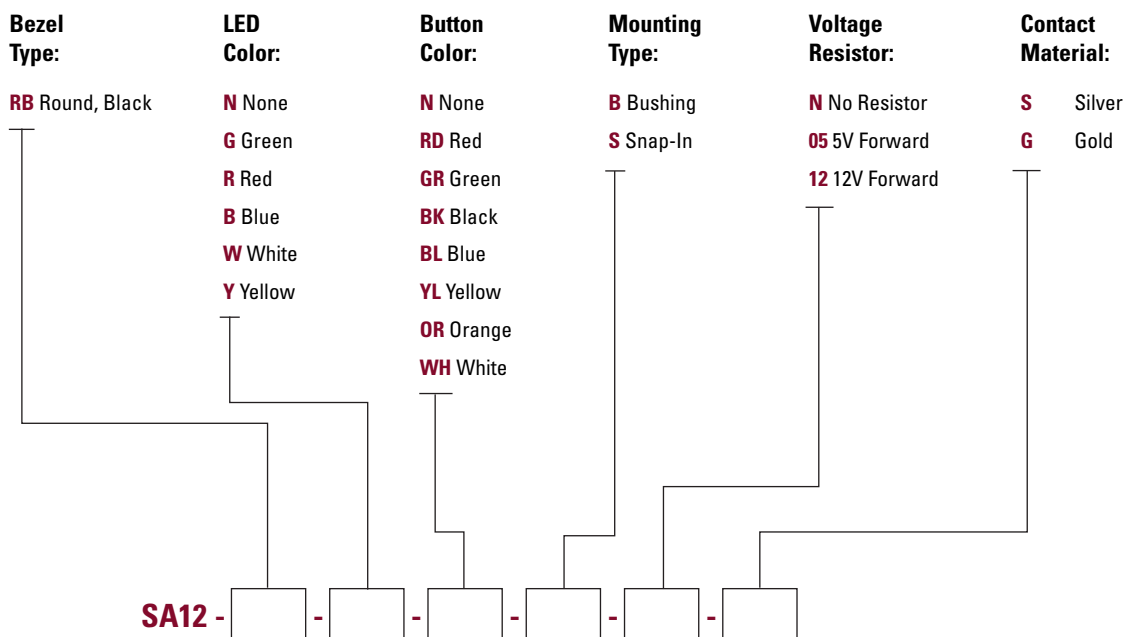
### KEY FEATURES:

- UL approved
- Sealed to IP67
- 10mA to 5A current capability
- Gold or Silver Contact Material
- Illuminated Options
- Momentary NO/NC Action
- Solder Terminal

### APPLICATIONS:

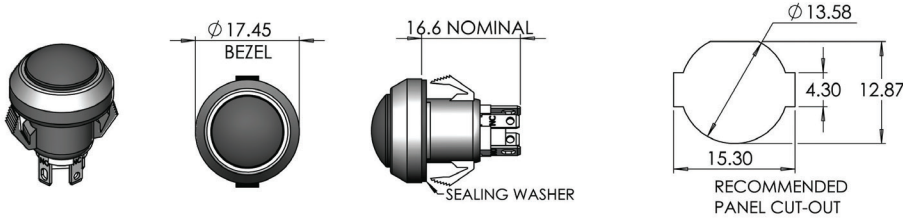
- Office equipment
- Medical equipment
- Industrial machinery
- Mass transportation
- Food processing equipment
- Outdoor Controls
- Joystick Control

### ORDERING INFORMATION:

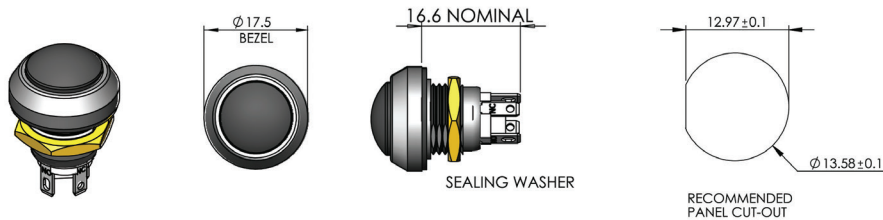


PRODUCT DRAWINGS

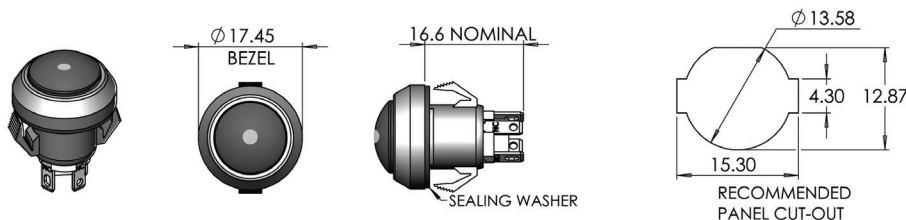
SA12-RB-N-XX-S-N-X



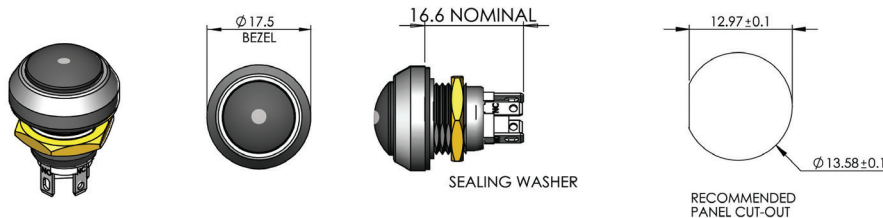
SA12-RB-N-XX-B-N-X



SA12-RB-X-XX-S-X-X



SA12-RB-X-XX-B-X-X



ELECTRICAL CHARACTERISTICS:

**Circuit:**  
SPDT-DB ( Form Z)

**Pretravel (Nominal):**  
0.050 inches [1.27mm]

**Overtravel (Nominal):**  
0.010 inches [0.25mm]

**Total Travel (Nominal):**  
0.060 inches [1.52mm]

**Operating Force (Nominal):**  
3.5N ±0.5N

**Panel Thickness:**

**Bushing Mount:**  
0.020" - 0.118" [0.5 - 3.0mm]

**Snap-In Mount:**  
0.051" - 0.118" [1.5 - 3.0mm]

**Contacts:**  
Silver / Gold

**Nut Torque Force:**  
Max 5.2 lb-in [6 kgf-cm]

**Actuator Ingress Protection:**  
IP67 (Front Panel)

**Operating Temperature:**  
-40° to +185°F [-40° to +85°C]

**Current Ratings (Nominal):**  
**Silver:**  
10mA @ 5VDC, 100K Cycles  
5A @ 28 VDC, 25k Cycles  
5A @ 125/250 VAC, 25k Cycles

**Gold:**  
10mA @ 5VDC, 100K Cycles  
2A @ 28VDC, 25K Cycles

ELECTRO-MECHANICAL

**Dielectric Strength:**  
1,000 VAC

**Insulation Resistance:**  
1GΩ

**Contact Resistance:**  
Max 50mΩ  
Switch Only - No Wireleads

SWITCH CIRCUIT DIAGRAM

**Switch Function:**  
Momentary, NO/NC



Form Z SPDT-DB