SV7 Series Anti-vandal Switch

Specifications

- Electrical Rating: 2A, 36VDC
- Electrical Life: 200,000 Cycles
- Contact Resistance: 50mΩ Max. at 1A 12VDC
- Dielectric Strength: 2,000V RMS at sea level
- Operating/Storage Temperature: -20°C to 70°C
- Travel: 1.80mm
- Moisture Protection: IP67
- Contact Arrangement: SPST
- Actuation Force: 4.5 N
- Panel Thickness: 1-6mm
- Mounting Nut Torque: 1-3Nm

Features & Benefits

- Short body design
- 22mm diameter panel cutout
- Multiple LED options
- Ring or Ring/Power symbol illumination available
- IP67 rated
- SPST
- Soldered wire leads (500mm long) optional

Part Number Configurator

Series: SV7
Actuator Options: F - Flat
Terminal Options: 2 - Solder, W - Wire Leads 500mm long
Function Options: 3 - 1 Pole Off - (On)*
Body Finish Options: S - Stainless Steel
Actuator Finish Options: S - Stainless Steel
Lens Style Options: 3 - Ring moveable with Actuator
LED Color Options: 0 - White, 1 - Red, 3 - Green, 4 - Blue, 5 - Yellow, 6 - Red/Green, H - Red/Blue
Illumination Voltage Options: 1 - Base Voltage

Notes:
*() denotes function is momentary

Specifications subject to change without notice 3.5.2020
SV7 Series Anti-vandal Switch

**Body Dimensions**

- **SV7 Catalog Drawing**
  - **Body Dimensions**
  - **TERMINAL 1**
    - **TERMINAL 2**
    - **Ring/Symbol Illuminated**
  - **Recommended Panel Cutout**
  - **Schematic**

**Dimensions**

- **Ø17.80 [Ø.701 in]**
- **Ø13.70 [Ø.539 in]**
- **Ø7.50 [Ø.295 in]**
- **Ø25.00 [Ø.984 in]**
- **2.0 [.08 in]**
- **19.2±1.0 [±.75±.04 in]**
- **20.50 Flats [.807 in]**
- **2.39 [.094 in]**
- **20.70±.15 [.815±.006 in]**
- **Ø22.20±.20 [Ø.874±.008 in]**

**Symbols and Labels**

- **TERMINAL 1**
- **TERMINAL 2**
- **(+)**
- **(-)**
- **Ring/Symbol Illuminated**

**Other Information**

- **SV7 Series Anti-vandal Switch**
- **Recommended Panel Cutout**
- **Schematic**
- **TERMINAL 1**
- **TERMINAL 2**
- **Ring/Symbol Illuminated**
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Acuator Options

RING ILLUMINATED

RING/POWER SYMBOL ILLUMINATED

Wire Lead Option

<table>
<thead>
<tr>
<th>SWITCH</th>
<th>WIRE</th>
<th>LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>SW1-1</td>
<td>WIRE, 20AWG AWM UL3385, BLACK</td>
<td>500.0 [19.7 in]</td>
</tr>
<tr>
<td>SW1-2</td>
<td>WIRE, 20AWG AWM UL3385, BLACK</td>
<td>500.0 [19.7 in]</td>
</tr>
<tr>
<td>SW1- (-)</td>
<td>WIRE, 20AWG AWM UL3385, GREEN</td>
<td>500.0 [19.7 in]</td>
</tr>
<tr>
<td>SW1- (+)</td>
<td>WIRE, 20AWG AWM UL3385, RED</td>
<td>500.0 [19.7 in]</td>
</tr>
</tbody>
</table>

Heatshrink over soldered connections

Bottom view shown without wiring