

#### FEATURES

- One- and 2-pole snap action
- Individual mount or matrix mount
- Crimp-pin, solder, or PC termination
- Indicator, momentary, or alternate action
- Light weight, short length
- LED or incandescent illumination
- Sunlight readable displays
- NVIS compatibility (all colors)
- Dripproof, splashproof, watertight seal, and solvent resistant options
- Common or split ground circuit configurations
- Qualified to MIL-PRF-22885/101 for incandescent lighting
- Qualified to MIL-PRF-22885/112 for high bright LED lighting and short crimp pin termination
- Meets or exceeds all applicable MIL-SPEC requirements

#### APPLICATIONS

- Commercial Aircraft
- Military Aircraft and Ground Vehicles
- Naval Systems / Submarine Controls
- Industrial Equipment and Control Systems
- Launch Controls



## S90 One- and 2-Pole Lighted Pushbutton Switch

The Series 90 is a broad product line of lighted pushbutton switches and indicators built to U.S. Military Specifications and used worldwide in extreme environmental applications. The S90 is sunlight readable and compatible with night vision goggles. The voltage-dimmed High Bright White LED version can be used in conjunction with existing incandescent pushbuttons or as a drop-in replacement.

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**S90**

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## SPECIFICATIONS

### MECHANICAL

- ▶ Actuation force: 5 lb max
- ▶ Actuation travel: 0.130" ±0.030" typical
- ▶ Mounting torque: 10 ±2 oz in.

### PHYSICAL

- ▶ Termination: crimp-pin, solder, or PC
- ▶ Length behind panel, solder: 1.30"
- ▶ Length behind panel, crimp: 1.86"
- ▶ Mounting panel hole: 0.691 ±0.004"
- ▶ Weight: 0.59 –1.09 oz (varies per switch configuration)

### ENVIRONMENTAL

- ▶ Operating temp: -55–71 °C
- ▶ Storage temp: -55–85 °C
- ▶ Thermal shock: MIL-STD-202
- ▶ Moisture: MIL-STD-202
- ▶ Salt spray: MIL-STD-202
- ▶ Sand & dust: MIL-STD-202 & MIL-PRF-22885
- ▶ Fungus: MIL-STD-454
- ▶ Shock: MIL-STD-202 & MIL-PRF-22885
- ▶ Explosion: MIL-STD-202
- ▶ Vibration: MIL-STD-202 & MIL-PRF-22885
- ▶ Shock-high impact: MIL-STD-901

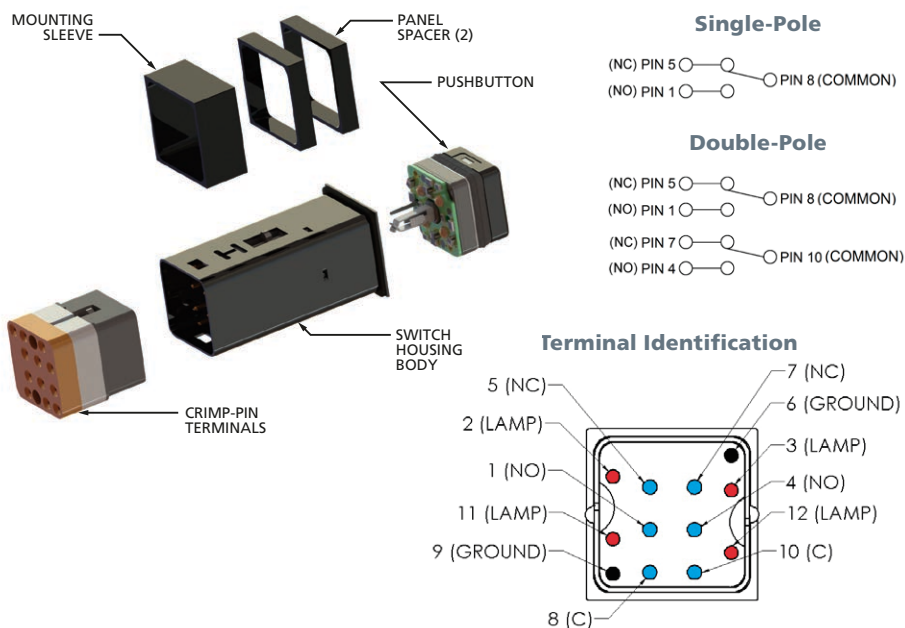
### DISPLAYS

- ▶ Standard fonts, Greek and math symbols, custom language and special artwork
- ▶ Full face and two-, three-, and four-way split face
- ▶ Hidden, lighted, and colored legends
- ▶ Colored, lighted, and black backgrounds

### LED LIGHTING

- ▶ Voltage dimming available
- ▶ Source & sink applications
- ▶ NVIS compatibility
- ▶ Sunlight readable

## FEATURES



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