

## S100 Four Pole Lighted Switch

The Series 100 four-pole lighted pushbutton switch is designed to meet and exceed the demands of aerospace, commercial avionics, military, and maritime applications. The S100 provides high reliability in a light weight package with NVIS compatibility, sunlight readability, LED or incandescent illumination, and water-tight/solvent resistant sealing. Termination options include PCB, solder terminals, and crimp termination.

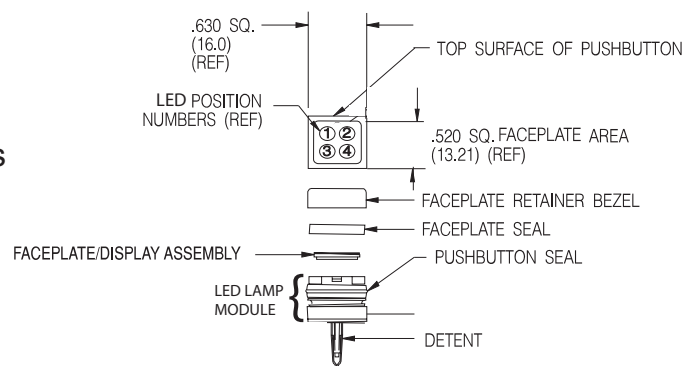


### Features:

- One, Two and Four-Pole Snap Action
- Tested to 1M Mechanical Cycles
- 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
- Meets or Exceed all MIL-PRF-22885 requirements
- Meets or Exceeds All Applicable MIL-SPEC Requirements

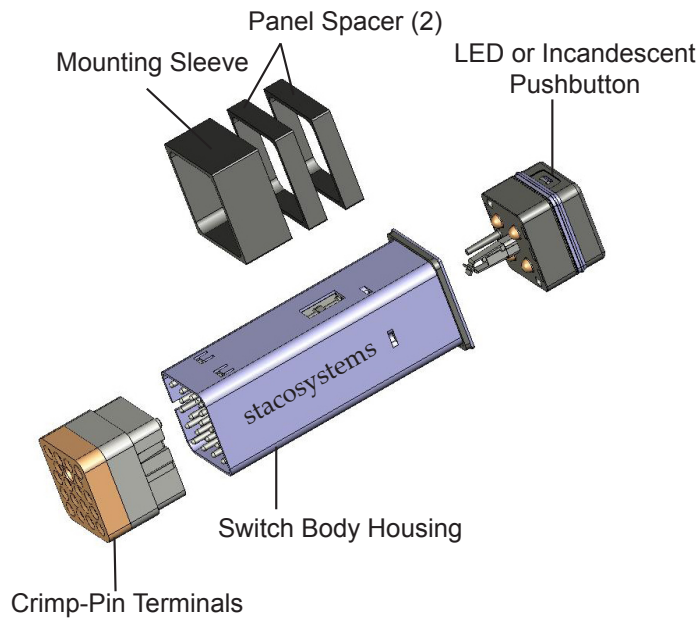
### Applications:

- Commercial Aircraft
- Military Tanks, Ground Vehicles and Aircraft
- Naval Systems
- Launch Controls
- Submarine Controls
- Specialty Vehicles
- Industrial Equipment and Control Systems

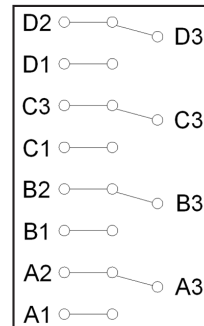
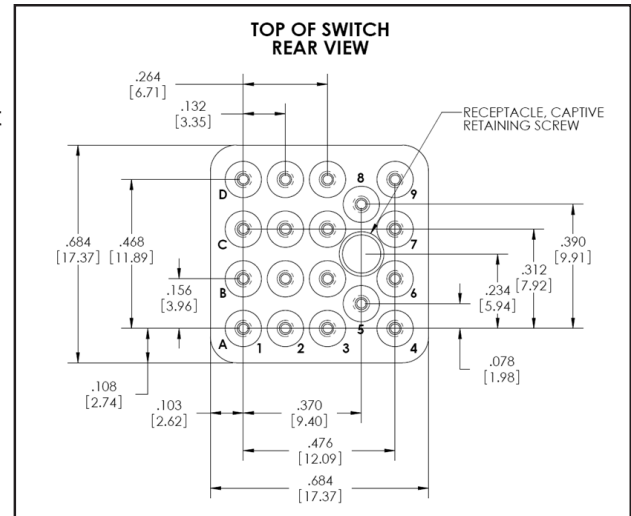


# Features

SERIES 100



## TERMINAL IDENTIFICATION



**FOUR-POLE,  
DOUBLE-THROW (4PDT)**

# Specifications

SERIES 100

## MECHANICAL

Actuation Travel: 0.13" ± 0.03"  
[3.30 ± 0.76 mm]

Actuation Force: 2 – 5 lbs [9-22 N]

Mounting Torque: 10 ± 2 oz in [0.071 ± 0.014 Nm]

## TERMINATION

Crimp-Pin, Solder, or PC

## DIMENSIONS

Length Behind Panel:

Solder: 1.74" ± 0.02" [44.19 ± 0.50 mm]

PCB: 1.97" ± 0.02" [50.03 ± 0.50 mm]

Crimp Pin: 2.375" ± 0.03" [60.32 ± 0.76 mm]

Mounting Panel Hole: 0.691 ± 0.004"  
[17.55 ± 0.10mm]

## ENVIRONMENTAL

Operating Temp: -55°C to 71°C

Storage Temp: -55°C to 85°C

Thermal Shock: MIL-STD-202

Moisture: MIL-STD-202

Salt Spray: MIL-STD-202

Fungus: MIL-STD-454

Shock: MIL-STD-202 and  
MIL-PRF-22885

Explosion: MIL-STD-202

Sand & Dust: MIL-STD-202  
and MIL-PRF-22885

Vibration: MIL-STD-202 and  
MIL-PRF-22885

Shock-High Impact : MIL-STD-901

## WEIGHT

.98-1.09 oz [28-31 grams]  
(varies per switch configurations)

## DISPLAY TYPES

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

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