

A8 Series — Miniature Switches and Pilot Devices: 8mm

Key features:

- 21/64" (8mm) round mounting hole
- Compact Design Saves Space
- Bright and Vivid Illumination
- Choice of Shapes and Functions
- Gold Clad Silver Contacts for reliable low level switching
- Snap action contacts
- IP40 (Dustproof) Construction


 UL Listed
File No. E55996

 CSA Certified
File No. LR21451

Specifications

| | |
|------------------------------|--|
| LED Lamp Life | 50,000 hours approximately (reduced to half of original intensity) |
| Contact Configuration | SPDT |
| Maximum Voltage | 250V AC/DC |
| Thermal Current | 3A |
| Contact Material | Gold-clad Silver |
| Terminal Style | Solder Tab Terminal |
| Operating Temperature | -25° to +55°C (no freezing) |
| Operating Humidity | 45 to 85% RH |
| Contact Resistance | 50mΩ maximum (initial value) |
| Insulation Resistance | 100MΩ minimum (500V DC megger) |
| Vibration Resistance | 5 to 55Hz, 0.75mm amplitude |
| Shock Resistance | Damage limits: 500m/sec ² (approx. 50G) Operating extremes: 200m/sec ² (approx. 20G) |
| Electrical Life | 100,000 operations minimum |
| Mechanical Life | Maintained: 100,000 (1200 operations/hour) Momentary: 200,000 minimum |
| Degree of Protection | IP40 Enclosed/Dustproof |
| Soldering Temperature | 20W/5 seconds or 260°C/3 seconds |
| Dielectric Strength | Switch Unit: 2,000V AC, 1 min. between live/dead part and terminals of different poles; 1,000V AC, 1 minute between terminals of the same pole; 1,500V AC, 1 minute between contact and lamp terminals. Illumination Unit: 2,000V AC, 1 min. between live part/ground |

Contact Ratings

| Operating Voltage | | 24V | 120V | 240V |
|-------------------|-----------|------|------|------|
| AC 50/60Hz | Resistive | — | 1.0A | 0.5A |
| | Inductive | — | 0.7A | 0.5A |
| DC | Resistive | 1.0A | 0.2A | — |
| | Inductive | 0.7A | 0.1A | — |



1. AC Inductive Load, PF = 0.6 – 0.7; DC Inductive Load, L/R = 7.
2. Minimum applicable load (reference value) is 5V AC/DC 3mA (applicable range is subject to the operating conditions and load).

Switches & Pilot Lights

Display Lights

Relays & Sockets

Timers

Terminal Blocks

Circuit Breakers