

## A6 Series – Miniature Switches and Pilot Devices: 16mm

**Key features:**

- 16mm (5/8") mounting hole
- LED illumination
- Compact design saves space
- Momentary, Maintained, Selectors, and E-Stops
- Gold-clad Silver contacts for reliable low level switching
- Snap action contacts
- IP40 (dustproof) or IP65 (oiltight) versions



<b>Specifications</b>	<b>Degree of Protection</b>	IP40: Dustproof IP65 Watertight/Oiltight			
	<b>Contact Configuration</b>	SPDT, DPDT			
	<b>Maximum Voltage</b>	250V AC/DC			
	<b>Thermal Current</b>	3A			
	<b>Minimum Applicable Load</b>	5V AC/DC, 1mA			
	<b>Contact Material</b>	Gold-clad silver			
	<b>Terminal Style</b>	.110" Solder/ Quick Connect			
	<b>Operating Temperature</b>	-25° to +55°C (no freezing)			
	<b>Operating Humidity</b>	45 to 85% RH			
	<b>Contact Resistance</b>	50mΩ maximum (initial value)			
	<b>Insulation Resistance</b>	100MΩ minimum (500V DC megger)			
	<b>Vibration Resistance</b>	10 to 55Hz, amplitude 1.5mm p-p			
	<b>Shock Resistance</b>	Damage limits: 500m/sec <sup>2</sup> (approx. 50G) Operating extremes: 200m/sec <sup>2</sup> (approx. 20G)			
	<b>Electrical Life</b>	100,000 operations minimum (at full rated load)			
<b>Contact Ratings</b>	<b>Operating Voltage</b>	24V	120V	240V	
	<b>AC (50/60Hz)</b>	<b>Resistive</b>	—	1.0A	0.5A
<b>Inductive</b>		—	0.7A	0.5A	
<b>DC</b>	<b>Resistive</b>	1.0A	0.2A	—	
	<b>Inductive</b>	0.7A	0.1A	—	
<b>LED Lamp Ratings</b>	<b>Rated Voltage/Current</b>	5V DC ±5%	6V AC/DC (±10%)	12V AC/DC (±10%)	24V AC/DC (±10%)
		8mA	AC: A, R, W, Y: 8mA G, S: 7mA DC: A, R, W, Y: 6mA G, S: 5mA	AC: 9mA DC: 8mA	AC: 9mA DC: 8mA

1. AC Inductive Load, PF = 0.6 – 0.7; DC Inductive Load, L/R = 7ms.
2. LED lamp contains a built-in current limiting resistor and a protection diode.
3. LED's don't "burn out." Luminance is reduced to 50% of initial intensity after being lit for 50,000 hours continuously.

Switches & Pilot Lights

Display Lights

Relays & Sockets

Timers

Terminal Blocks

Circuit Breakers