Specifications

<table>
<thead>
<tr>
<th>Electrical Ratings</th>
<th>Actuation Force</th>
</tr>
</thead>
<tbody>
<tr>
<td>1A @ 24VDC</td>
<td>550 ±50gf</td>
</tr>
<tr>
<td>1A @ 125VAC</td>
<td></td>
</tr>
<tr>
<td>0.5A @ 250VAC</td>
<td></td>
</tr>
<tr>
<td>Sealing Degree</td>
<td>2.5 ± 0.3mm</td>
</tr>
<tr>
<td>Electrical Life</td>
<td>2000VRms min contact to contact</td>
</tr>
<tr>
<td>Contact Resistance</td>
<td>≥ 100MΩ min</td>
</tr>
<tr>
<td></td>
<td>2000VRms min contact to LED</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Operating Temperature</th>
<th>Storage Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>-25°C to 70°C</td>
<td>-25°C to 70°C</td>
</tr>
</tbody>
</table>

Materials

<table>
<thead>
<tr>
<th>Actuator</th>
<th>Stainless Steel, Black Anodized Aluminum</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED Lens</td>
<td>Polycarbonate (PC)</td>
</tr>
<tr>
<td>Threaded Body</td>
<td>Stainless Steel, Black Anodized Aluminum</td>
</tr>
<tr>
<td>Terminal Support</td>
<td>Polybutylene Terephthalate (PBT)</td>
</tr>
<tr>
<td>Inner Switch Body</td>
<td>Polycarbonate (PC)</td>
</tr>
<tr>
<td>Contacts</td>
<td>Silver Alloy</td>
</tr>
<tr>
<td>Terminals</td>
<td>Tin Plated Brass, Epoxy Sealed</td>
</tr>
<tr>
<td>Hardware</td>
<td>One Hex Nut &amp; One &quot;O&quot; Ring Supplied</td>
</tr>
</tbody>
</table>

Contact Factory for

- Cable Assembly
- Shine Through Symbols
- Plastic Convex Actuator
- Laser Etching
# Ordering Information

1. **Series**  
   - AH

2. **Number of Poles**  
   - 1 = SPST NO + SPST NC

3. **Latching Option**  
   - L = Latching  
   - N = Momentary

4. **Actuator Style:**  
   - A = Flush actuator, non-illuminated  
   - B = Flush actuator, ring illuminated  
   - C = Flush actuator, dot illuminated  
   - G = Flush actuator, int’l standby symbol & ring illuminated*  
     *Contact factory for G, R, U or Y finish options
   - MR = Mushroom actuator, red anodized aluminum  
   - EC = Epoxy Convex actuator, contact factory for details

5. **Switch Finish**  
   - S = Stainless Steel  
   - B = Black Anodized Aluminum  
   - G = Green Anodized Aluminum  
   - R = Red Anodized Aluminum  
   - U = Blue Anodized Aluminum  
   - Y = Yellow Anodized Aluminum

6. **LED Color**  
   - X = No LED  
   - R = Red  
   - Y = Yellow  
   - G = Green  
   - B = Blue  
   - W = White  
   - O = Orange  
   - RO = Red / Orange dual LED  
   - RY = Red / Yellow dual LED  
   - RG = Red / Green dual LED  
   - RB = Red / Blue dual LED  
   - OY = Orange / Yellow dual LED  
   - OG = Orange / Green dual LED  
   - OB = Orange / Blue dual LED  
   - YG = Yellow / Green dual LED  
   - YB = Yellow / Blue dual LED  
   - GB = Green / blue dual LED  
   - ROY = Red / Orange / Yellow triple LED  
   - RG = Red / Green dual LED  
   - RB = Red / Blue dual LED  
   - OY = Orange / Yellow dual LED  
   - GB = Green / blue dual LED  
   - *Contact Factory for other LED options

7. **LED Voltage**  
   - Blank = No LED  
   - 6 = 6VDC  
   - 12 = 12VDC  
   - 24 = 24VDC  
   - 110 = 110VAC  
   - 220 = 220VAC  
   - N = No internal resistor in series with the LED

8. **Terminal Option**  
   - Blank = .100” Quick Connect, standard  
   - T = Screw Terminals
Dimensions

A - Momentary

B - Momentary

C - Momentary

G - Momentary

MR

Dimensions shown in mm. Dimensions are shown for reference purposes only.
Dimensions

A - Latching

B - Latching

C - Latching

G - Latching

Dimensions shown in mm. Dimensions are shown for reference purposes only.

Specifications and availability subject to change without notice.
Termination

.100" Quick Connect, standard

Screw Terminals

Schematics

SPST NO + SPST NC
No LED

SPST NO + SPST NC
Single Color LED

SPST NO + SPST NC
Dual Color LED

Specifications and availability subject to change without notice.
### LED Characteristics

<table>
<thead>
<tr>
<th>LED Ratings</th>
<th>Color</th>
<th>R</th>
<th>Y</th>
<th>G</th>
<th>B</th>
<th>O</th>
<th>W</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reverse Voltage</td>
<td></td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>V</td>
</tr>
<tr>
<td>Forward Current (avg)</td>
<td></td>
<td>25</td>
<td>25</td>
<td>30</td>
<td>30</td>
<td>25</td>
<td>30</td>
<td>mA</td>
</tr>
<tr>
<td>Forward Current (peak)</td>
<td></td>
<td>120</td>
<td>120</td>
<td>160</td>
<td>160</td>
<td>120</td>
<td>160</td>
<td>mA</td>
</tr>
<tr>
<td>Reverse Current $V_R = 5V$</td>
<td></td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>μA</td>
</tr>
<tr>
<td>Power Dissipation</td>
<td></td>
<td>80</td>
<td>80</td>
<td>120</td>
<td>120</td>
<td>80</td>
<td>120</td>
<td>mW</td>
</tr>
<tr>
<td>Operating &amp; Storage Temperature</td>
<td>$T_A$</td>
<td>-40 ~ +85</td>
<td>C$^\circ$</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Forward Voltage (typ) $I_F = 20mA$</td>
<td></td>
<td>2.1</td>
<td>2.1</td>
<td>3.3</td>
<td>3.3</td>
<td>2.0</td>
<td>3.0</td>
<td>V</td>
</tr>
<tr>
<td>Forward Voltage (max) $I_F = 20mA$</td>
<td></td>
<td>2.4</td>
<td>2.5</td>
<td>3.6</td>
<td>3.6</td>
<td>2.3</td>
<td>3.6</td>
<td>V</td>
</tr>
<tr>
<td>Wavelength at Peak Emission $I_F = 20mA$</td>
<td></td>
<td>635</td>
<td>592</td>
<td>516</td>
<td>463</td>
<td>606</td>
<td>n/a</td>
<td>nm</td>
</tr>
<tr>
<td>Spectral Line Half-Width $I_F = 20mA$</td>
<td></td>
<td>14</td>
<td>12</td>
<td>28</td>
<td>20</td>
<td>12</td>
<td>n/a</td>
<td>nm</td>
</tr>
<tr>
<td>Luminous Intensity, $I_F = 20mA$</td>
<td></td>
<td>120</td>
<td>120</td>
<td>170</td>
<td>100</td>
<td>120</td>
<td>700</td>
<td>mcd</td>
</tr>
<tr>
<td>Viewing Angle</td>
<td></td>
<td>145</td>
<td>145</td>
<td>145</td>
<td>145</td>
<td>145</td>
<td>145</td>
<td>deg</td>
</tr>
</tbody>
</table>