

# RJSPS16A KeyLock Series



## ■ Features

- ☐ Installation diameter: 16mm
- ☐ Degree of Protection: IP65
- ☐ Silver Plated of contact: 3  $\mu$
- ☐ Compact design saves space
- ☐ Shade UV
- ☐ LED Super bright LED cold light source lamp display

## ■ LED Ratings

| Rated Voltage          | Current                                 |
|------------------------|-----------------------------------------|
| 5V DC $\pm$ 5%         | 8mA<br>AC: A, R, W, Y: 8mA<br>G, S: 7mA |
| 6V AC/DC ( $\pm$ 10%)  | DC: A, R, W, Y: 6mA<br>G, S: 5mA        |
| 12V AC/DC ( $\pm$ 10%) | AC: 9mA DC: 8mA                         |
| 24V AC/DC ( $\pm$ 10%) | AC: 9mA DC: 8mA                         |

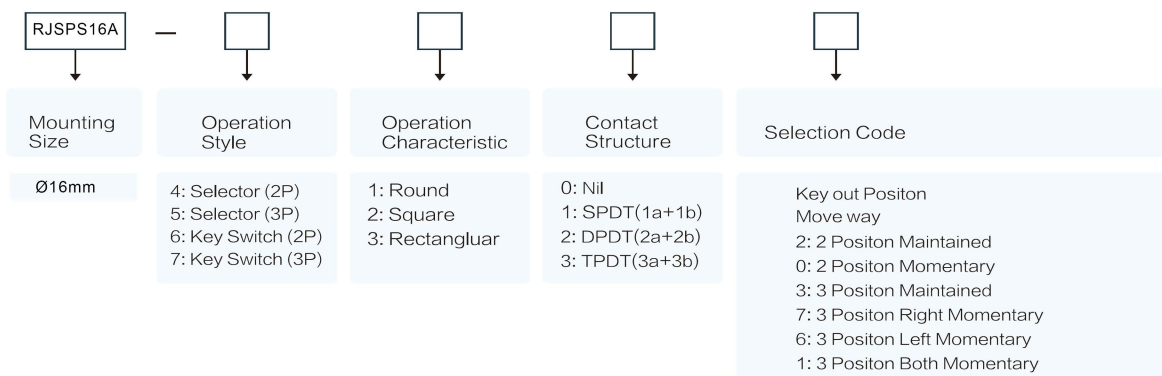
## ■ Specifications

|                         |                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Degree of Protection    | IP 65 Watertight /Oiltight                                                                                                                                                                                                                                                   |
| Contact Configuration   | Single Pole, Double Pole                                                                                                                                                                                                                                                     |
| Maximum Voltage         | 250V AC/DC                                                                                                                                                                                                                                                                   |
| Thermal Current         | 5A                                                                                                                                                                                                                                                                           |
| Minimum Applicable Load | 5V AC/DC, 1mA                                                                                                                                                                                                                                                                |
| Contact Material        | Gold-plated silver                                                                                                                                                                                                                                                           |
| Terminal Style          | .110" Solder/Quick Connect                                                                                                                                                                                                                                                   |
| Operating Temperature   | -25°C to +55°C                                                                                                                                                                                                                                                               |
| Operating Humidity      | 45 to 85% RH                                                                                                                                                                                                                                                                 |
| Contact Resistance      | 50M $\Omega$ maximum                                                                                                                                                                                                                                                         |
| Insulation Resistance   | 100M $\Omega$ minimum (500V DC megger)                                                                                                                                                                                                                                       |
| Vibration Resistance    | 10 to 55Hz, amplitude 1.2mm p-p                                                                                                                                                                                                                                              |
| Degree of Protection    | >10g                                                                                                                                                                                                                                                                         |
| Electrical Life         | 100,000 operations minimum (at full rated load)                                                                                                                                                                                                                              |
| Mechanical Life         | Maintained: 1,000,000 operations minimum<br>Momentary: 1,000,000 operations minimum<br>Selecotr /Keylock: 250, 000 operations minimum                                                                                                                                        |
| Dielectric Strength     | Switch Unit: 2,000V AC, 1min. between live/dead part and terminals of different poles;<br>1,000V AC, 1 minute between terminals of the same pole;<br>1,500V AC, 1 minute between contact and lamp terminals.<br>Illumination Unit: 2,000V AC, 1min. between live Part/ground |
| Soldering Temperature   | 20W/5 Seconds or 260C/3 seconds                                                                                                                                                                                                                                              |

## ■ Contact Ratings

| Working voltage |           | 24V  | 110V | 220V |
|-----------------|-----------|------|------|------|
| AC (50/60Hz)    | Resistive | —    | 1.0A | 0.5A |
|                 | Inductive | —    | 0.7A | 0.5A |
| DC              | Resistive | 1.0A | 0.2A | —    |
|                 | Inductive | 0.7A | 0.1A | —    |

## ■ How to Order



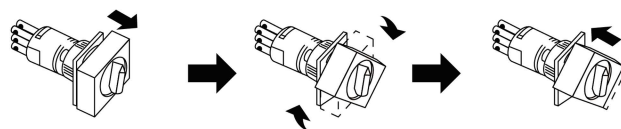
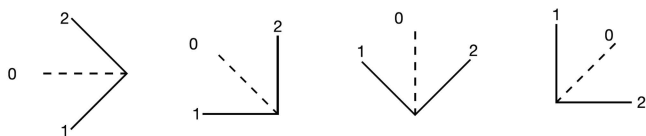
| Sort      | Reset Style |           |   |   | Key out Position |   |   |   |   |   |   |
|-----------|-------------|-----------|---|---|------------------|---|---|---|---|---|---|
|           | Maintained  | Momentary |   |   |                  |   |   |   |   |   |   |
| 3Position |             |           |   |   |                  |   |   |   |   |   |   |
| Code      | 2           | 0         |   |   | A                | B |   | D |   |   |   |
| 3Position |             |           |   |   |                  |   |   |   |   |   |   |
| Code      | 3           | 7         | 6 | 1 | A                | B | C | D | E | F | G |

Selector/Key basic rotation angle 90°



# RJSPS16A KeyLock Series

## Position / Assembly



## KeyLock Switches

| Product appearance                                                                                                                                                                                               |                    |                                                                                     | Operation             | Contact | Model                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------|-----------------------|---------|-----------------------------------|
| <div>Round</div> <div></div> <div></div>      | 90° 2<br>2 Postion |    | Maintained            | SPDT    | <b>RJSPS16A ROUND -6112</b>       |
|                                                                                                                                                                                                                  |                    |    | Momentary             | SPDT    | <b>RJSPS16A ROUND -6110</b>       |
|                                                                                                                                                                                                                  |                    |    | Maintained            | DPDT    | <b>RJSPS16A ROUND -6122</b>       |
|                                                                                                                                                                                                                  |                    |    | Momentary             | DPDT    | <b>RJSPS16A ROUND -6120</b>       |
|                                                                                                                                                                                                                  | 90° 3<br>3 Postion |    | Maintained            | DPDT    | <b>RJSPS16A ROUND -7123</b>       |
|                                                                                                                                                                                                                  |                    |    | Left lock Right reset | DPDT    | <b>RJSPS16A ROUND -7127</b>       |
|                                                                                                                                                                                                                  |                    |  | Left reset Right lock | DPDT    | <b>RJSPS16A ROUND -7126</b>       |
|                                                                                                                                                                                                                  |                    |  | Momentary             | DPDT    | <b>RJSPS16A ROUND -7121</b>       |
| <div>Square</div> <div></div> <div></div>    | 90° 2<br>2 Postion |  | Maintained            | SPDT    | <b>RJSPS16A SQUARE-6212</b>       |
|                                                                                                                                                                                                                  |                    |  | Momentary             | SPDT    | <b>RJSPS16A SQUARE-6210</b>       |
|                                                                                                                                                                                                                  |                    |  | Maintained            | DPDT    | <b>RJSPS16A SQUARE -6222</b>      |
|                                                                                                                                                                                                                  |                    |  | Momentary             | DPDT    | <b>RJSPS16A SQUARE -6220</b>      |
|                                                                                                                                                                                                                  | 90° 3<br>3 Postion |  | Maintained            | DPDT    | <b>RJSPS16A SQUARE -7223</b>      |
|                                                                                                                                                                                                                  |                    |  | Left lock Right reset | DPDT    | <b>RJSPS16A SQUARE -7227</b>      |
|                                                                                                                                                                                                                  |                    |  | Left reset Right lock | DPDT    | <b>RJSPS16A SQUARE -7226</b>      |
|                                                                                                                                                                                                                  |                    |  | Momentary             | DPDT    | <b>RJSPS16A SQUARE -7221</b>      |
| <div>Rectangle</div> <div></div> <div></div> | 90° 2<br>2 Postion |  | Maintained            | SPDT    | <b>RJSPS16A RECTANGULAR -6312</b> |
|                                                                                                                                                                                                                  |                    |  | Momentary             | SPDT    | <b>RJSPS16A RECTANGULAR -6310</b> |
|                                                                                                                                                                                                                  |                    |  | Maintained            | DPDT    | <b>RJSPS16A RECTANGULAR -6322</b> |
|                                                                                                                                                                                                                  |                    |  | Momentary             | DPDT    | <b>RJSPS16A RECTANGULAR -6320</b> |
|                                                                                                                                                                                                                  | 90° 3<br>3 Postion |  | Maintained            | DPDT    | <b>RJSPS16A RECTANGULAR -7323</b> |
|                                                                                                                                                                                                                  |                    |  | Left lock Right reset | DPDT    | <b>RJSPS16A RECTANGULAR -7327</b> |
|                                                                                                                                                                                                                  |                    |  | Left reset Right lock | DPDT    | <b>RJSPS16A RECTANGULAR -7326</b> |
|                                                                                                                                                                                                                  |                    |  | Momentary             | DPDT    | <b>RJSPS16A RECTANGULAR -7321</b> |

# RJSPS16A KeyLock Series

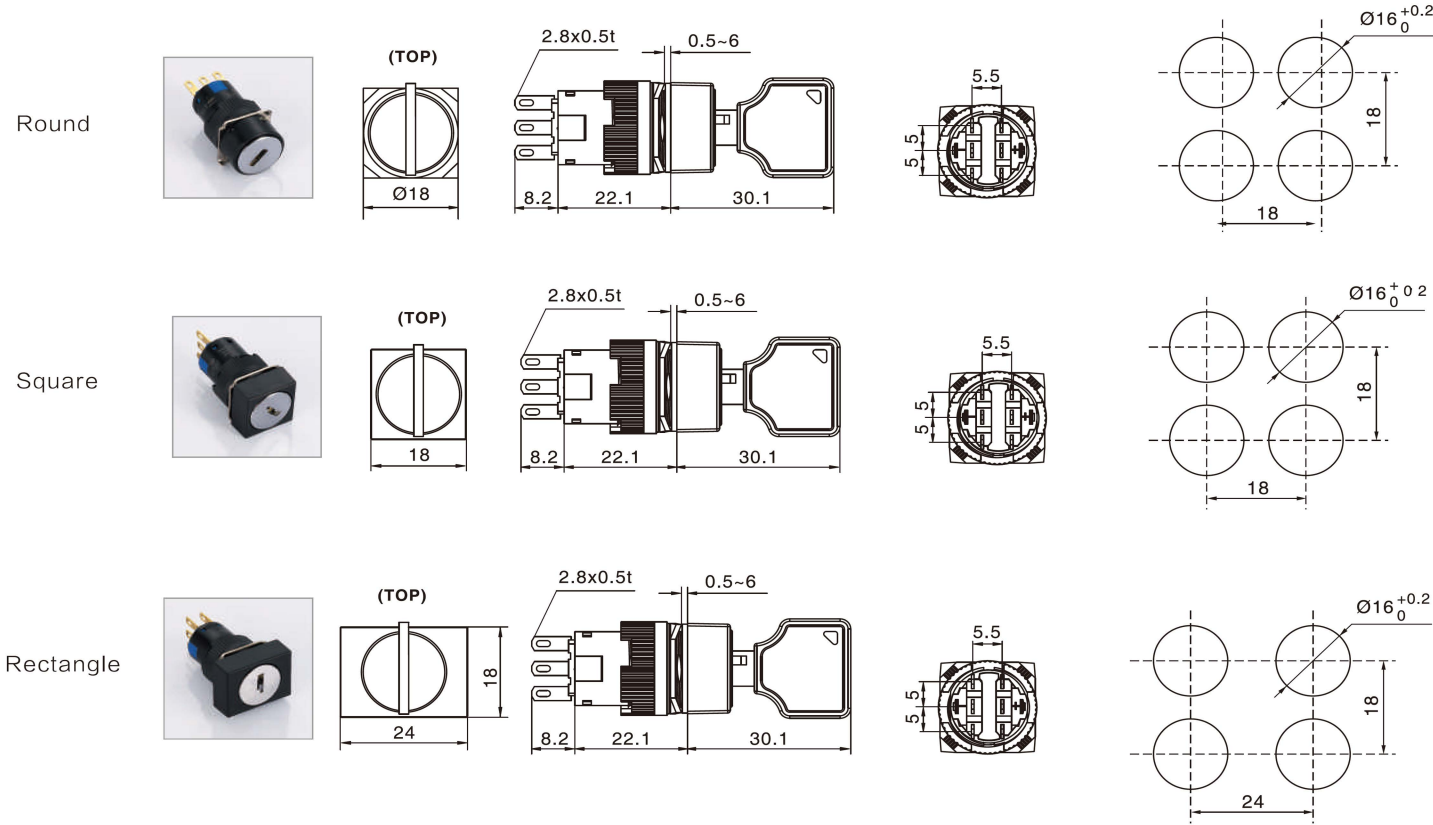


## ■ Keylock Switches

### ■ Selector and Key Switch Handle Positon

| Operation          |                |                           |                           |               | Contact |  |  |  |
|--------------------|----------------|---------------------------|---------------------------|---------------|---------|--|--|--|
| 90° 2<br>2 Positon | <br>Maintained |                           | <br>Momentary             |               | SPDT    |  |  |  |
|                    |                |                           |                           |               | DPDT    |  |  |  |
| 90° 3<br>3 Positon | <br>Maintained | <br>Left lock Right reset | <br>Left reset Right lock | <br>Momentary | TPDT    |  |  |  |
|                    |                |                           |                           |               |         |  |  |  |
|                    |                |                           |                           |               |         |  |  |  |
|                    |                |                           |                           |               |         |  |  |  |

Installation size



### ■ Contacts circuit

