30mm Control and Signaling Devices

The 30mm range of pushbuttons, selectors, e-stops, pilot lights and illuminated pushbuttons have been designed to provide the following:

- Easy and rapid mounting
- Up to 4 contacts blocks can be mounted: 4NO + 4NC contacts
- Self wiping contacts
- Dust, moisture and oil tight
- Robust construction
- Long mechanical and electrical life

The control devices are designed for flush mounting on control panels, desks and machines with plate thickness up to 6mm. Their dust, moisture and oil tight construction make them especially suitable for application in plants and heavy machinery.

Features and specifications

- **Rated insulation voltage:** 500V AC, 600V DC
- **Rated thermal current:** 10A
- **Contact operation:** self-wiping, slow double break, 1NO + 1 NC
- **Make and break capacity (13947-5-1):**
  - AC15: 4A 415V
  - DC13: 0.5A 110V
- **Terminal capacity:**
  - Maximum 2x1.5mm²
  - Minimum 1x0.5mm²
- **Altitude:** <3000 meters
- **Mechanical life:** over 1 million operations
- **Ambient temperature:** -25 to +70°C
- **Ingress protection:** IP65
- **Approvals:** cURus, CE
Pushbuttons

Illuminated Pushbuttons (Order by Part No.)

Illuminated Spring Return Flush Head Actuator
24V AC/DC and 110VAC standard
110VDC, 220VAC and 220VDC optional

<table>
<thead>
<tr>
<th>Colour</th>
<th>Part No.</th>
<th>Colour</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clear</td>
<td>RB3-BW37</td>
<td>Clear</td>
<td>RB3-BW037</td>
</tr>
<tr>
<td>White</td>
<td>RB3-BW31</td>
<td>White</td>
<td>RB3-BW031</td>
</tr>
<tr>
<td>Green</td>
<td>RB3-BW33</td>
<td>Green</td>
<td>RB3-BW033</td>
</tr>
<tr>
<td>Red</td>
<td>RB3-BW34</td>
<td>Red</td>
<td>RB3-BW034</td>
</tr>
<tr>
<td>Amber</td>
<td>RB3-BW35</td>
<td>Amber</td>
<td>RB3-BW035</td>
</tr>
<tr>
<td>Blue</td>
<td>RB3-BW36</td>
<td>Blue</td>
<td>RB3-BW036</td>
</tr>
</tbody>
</table>

Lenses for 30mm pilot lights

Information subject to change without notice
Specify BA15d BULB voltage as a suffix (-24V, -110VAC); Pilot lights can be ordered without bulbs

Non-illuminated Pushbuttons (Order by Part No.)

Non-illuminated Pushbuttons (Order by Part No.)

Spring Return Flush Head Actuator
Spring Return Projecting Head Actuator

<table>
<thead>
<tr>
<th>Colour</th>
<th>Part No.</th>
<th>Colour</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>RB3-BA1</td>
<td>White</td>
<td>RB3-BL1</td>
</tr>
<tr>
<td>Black</td>
<td>RB3-BA2</td>
<td>Black</td>
<td>RB3-BL2</td>
</tr>
<tr>
<td>Green</td>
<td>RB3-BA3</td>
<td>Green</td>
<td>RB3-BL3</td>
</tr>
<tr>
<td>Red</td>
<td>RB3-BA4</td>
<td>Red</td>
<td>RB3-BL4</td>
</tr>
<tr>
<td>Yellow</td>
<td>RB3-BA5</td>
<td>Yellow</td>
<td>RB3-BL5</td>
</tr>
<tr>
<td>Blue</td>
<td>RB3-BA6</td>
<td>Blue</td>
<td>RB3-BL6</td>
</tr>
</tbody>
</table>

Information subject to change without notice

E-Stop (Mushroom) Actuators

Non-Illuminated E-Stop (Mushroom) Actuators (Order by Part No.)

Spring Return E-Stop (Mushroom Head) Actuator
Twist and Key Release E-Stop (Mushroom Head) Actuator

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring Return 40mm</td>
<td>Red</td>
<td>RB3-BC4</td>
<td>Twist Release</td>
<td>40mm</td>
<td>Red</td>
<td>RB3-BS54</td>
</tr>
<tr>
<td>Spring Return Φ60mm</td>
<td>Red</td>
<td>RB3-BR4</td>
<td>Key Release</td>
<td>40mm</td>
<td>Red</td>
<td>RB3-BS14</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>60mm</td>
<td></td>
<td>RB3-BS64</td>
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</table>

Information subject to change without notice
Selector Switches

Non-illuminated Selector Switches (Order by Part No.)

<table>
<thead>
<tr>
<th>Action</th>
<th>Part No.</th>
<th>Action</th>
<th>Key Removal</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Pos. maintained</td>
<td>RB3-BD2</td>
<td>2 Pos. maintained</td>
<td>Both</td>
<td>RP3-BG4</td>
</tr>
<tr>
<td>2 Pos. spring return to left</td>
<td>RB3-BDR2</td>
<td>2 Pos. spring return to left</td>
<td>Left</td>
<td>RP3-BG2</td>
</tr>
<tr>
<td>3 Pos. maintained</td>
<td>RB3-BD3</td>
<td>2 Pos. maintained</td>
<td>Right</td>
<td>RP3-BG02</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2 Pos. spring return to left</td>
<td>Left</td>
<td>RP3-BG6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 Pos. maintained</td>
<td>All</td>
<td>RP3-BG0*</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 Pos. maintained</td>
<td>Left &amp; right</td>
<td>RP3-BG5*</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 Pos. maintained</td>
<td>Left</td>
<td>RP3-BG9</td>
</tr>
</tbody>
</table>

* Special order only
Information subject to change without notice

Pilot Lights

Pilot Lights for LED and NEON bulbs and accessories (Order by Part No.)

<table>
<thead>
<tr>
<th>Pilot Lights with LED Bulbs</th>
<th>Lenses for 30mm pilot lights</th>
</tr>
</thead>
<tbody>
<tr>
<td>24V AC/DC and 110VAC standard</td>
<td></td>
</tr>
<tr>
<td>110VDC, 220VAC and 220VDC</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Colour</th>
<th>Part No.</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clear</td>
<td>RB3-BV07</td>
<td>RB2-BV07</td>
</tr>
<tr>
<td>White</td>
<td>RB3-BV01</td>
<td>RB2-BV01</td>
</tr>
<tr>
<td>Green</td>
<td>RB3-BV03</td>
<td>RB2-BV03</td>
</tr>
<tr>
<td>Red</td>
<td>RB3-BV04</td>
<td>RB2-BV04</td>
</tr>
<tr>
<td>Amber</td>
<td>RB3-BV05</td>
<td>RB2-BV05</td>
</tr>
<tr>
<td>Blue</td>
<td>RB3-BV06</td>
<td>RB2-BV06</td>
</tr>
</tbody>
</table>

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Specify BA15d BULB voltage as a suffix (-24V, -110VAC); Pilot lights can be ordered without bulbs

Contacts and Mounting Screws

Contacts (Order by Part No.)

<table>
<thead>
<tr>
<th>Contacts</th>
<th>Use S12 and S22 as couplings to double the number of contacts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Operation</td>
</tr>
<tr>
<td>Actuator mounting</td>
<td>1NO+1NC</td>
</tr>
<tr>
<td></td>
<td>2NO+2NC</td>
</tr>
<tr>
<td>Base mounting</td>
<td>1NO+1NC</td>
</tr>
<tr>
<td></td>
<td>2NO+2NC</td>
</tr>
</tbody>
</table>

Information subject to change without notice
All contacts are supplied with a set of installation screws
## Installation Screws (Order by Part No.)

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Use with</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>M4x25mm</td>
<td>S11 only (1NO + 1NC)</td>
<td>SC25</td>
</tr>
<tr>
<td>M4x45mm</td>
<td>S11 + S12 (2NO + 2NC)</td>
<td>SC45</td>
</tr>
<tr>
<td>M4x65mm</td>
<td>2 x S11 + S12 (3NO + 3NC)</td>
<td>SC65</td>
</tr>
<tr>
<td>M4x90mm</td>
<td>2 x S11 + 2 x S12 (4NO + 4NC)</td>
<td>SC90</td>
</tr>
</tbody>
</table>

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Available accessories include:

- Replacement lenses (see tables on pages 2 and 3)
- Replacement BA15D bulbs
- Replacement keys (RB3-KY30)
- Replacement Rubber washers
- Legend plates
- BA15D LED bulbs