

# 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 2x1.5mm<sup>2</sup>  
Minimum 1x0.5mm<sup>2</sup>
- 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.)

<div>Illuminated Spring Return Flush Head Actuator 24V AC/DC and 110VAC standard 110VDC, 220VAC and 220VDC optional</div> <div></div>		<div>Lenses for 30mm pilot lights</div> <div></div>
Colour	Part No.	Part No.
Clear	RB3-BW37	RB3-BW037
White	RB3-BW31	RB3-BW031
Green	RB3-BW33	RB3-BW033
Red	RB3-BW34	RB3-BW034
Amber	RB3-BW35	RB3-BW035
Blue	RB3-BW36	RB3-BW036

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.)

<b>Spring Return Flush Head Actuator</b> 		<b>Spring Return Projecting Head Actuator</b> 	
Colour	Part No.	Colour	Part No.
White	RB3-BA1	White	RB3-BL1
Black	RB3-BA2	Black	RB3-BL2
Green	RB3-BA3	Green	RB3-BL3
Red	RB3-BA4	Red	RB3-BL4
Yellow	RB3-BA5	Yellow	RB3-BL5
Blue	RB3-BA6	Blue	RB3-BL6

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## E-Stop (Mushroom) Actuators



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

<b>Spring Return E-Stop (Mushroom Head) Actuator</b> 			<b>Twist and Key Release E-Stop (Mushroom Head) Actuator</b> 			
Action	Colour	Part No.	Action	Diameter	Colour	Part No.
Spring Return 40mm	Red	RB3-BC4	Twist Release	40mm	Red	RB3-BS54
Spring Return Ø60mm	Red	RB3-BR4		60mm	Black	RB3-BS52
			Key Release	40mm	Red	RB3-BS14

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## Selector Switches

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



<b>Selector Actuator</b> 		<b>Key Selector Switches</b> 		
Action	Part No.	Action	Key Removal	Part No.
2 Pos. maintained	RB3-BD2	2 Pos. maintained	Both	RP3-BG4
2 Pos. spring return to left	RB3-BDR2	2 Pos. spring return to left	Left	RP3-BG2
3 Pos. maintained	RB3-BD3	2 Pos. maintained	Right	RP3-BG02
		2 Pos. spring return to left	Left	RP3-BG6
		3 Pos. maintained	All	RP3-BG0*
		3 Pos. maintained	Left & right	RP3-BG5*
		3 Pos. maintained	Left	RP3-BG9

\* Special order only

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## Pilot Lights

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


<b>Pilot Lights with LED Bulbs</b> 24V AC/DC and 110VAC standard 110VDC, 220VAC and 220VDC optional 		<b>Lenses for 30mm pilot lights</b> 
Colour	Part No.	Part No.
Clear	RB3-BV07	RB2-BV007
White	RB3-BV01	RB2-BV001
Green	RB3-BV03	RB2-BV003
Red	RB3-BV04	RB2-BV004
Amber	RB3-BV05	RB2-BV005
Blue	RB3-BV06	RB2-BV006

Information subject to change without notice

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.)

<b>Contacts</b> Use S12 and S22 as couplings to double the number of contacts 		
Type	Operation	Part No.
Actuator mounting	1NO+1NC	RB3-S11
	2NO+2NC	RB3-S11 + RB3-S12
Base mounting	1NO+1NC	RB3-21
	2NO+2NC	RB3-S21 + RB3-S22

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All contacts are supplied with a set of installation screws

## Installation Screws (Order by Part No.)



Dimensions	Use with	Part No.
M4x25mm	S11 only (1NO + 1NC)	SC25
M4x45mm	S11 + S12 (2NO + 2NC)	SC45
M4x65mm	2 x S11 + S12 (3NO + 3NC)	SC65
M4x90mm	2 x S11 + 2 x S12 (4NO + 4NC)	SC90

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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

