

## Rocker Switches



Bulgin's range of high quality rocker switches includes a huge choice of single and double contact options available in various sizes, colours, terminations, actuator types and ratings up to 20A, 277Vac, allowing for virtually any design configuration.

- Available types: Ultra-thin, Miniature, Twin unit, Miniature round and Standard
- Rating from 10A, 250V ac up to 20A, 277V ac
- Single & double contact variants available
- Push-on, solder & PCB terminals
- Illuminated and non-illuminated options
- High in-rush (ON-OFF types)
- Matching Indicators
- Splash resistant options
- Choice of bezel styles and sizes, panel cut-outs and actuators
- Choice of switching circuits including 3 position

calpe



# 8800 Thinline Rocker Switches

10A 250Vac

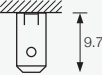

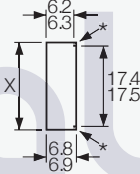
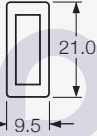
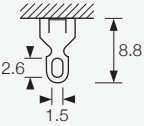


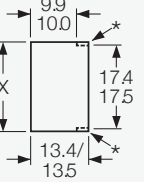
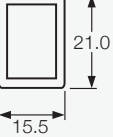
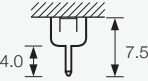



### Key Features

- Ultra thin rocker switch
- Ratings up to 15A, 250Vac
- Single and twin gang
- Panel cut out:  
Single 19.3 x 6.8  
Twin 19.3 x 13.4

### Approvals and specifications

- 6(2) A 250 V AC 5E4 T100  
10(6) A 250 V AC 1E4 T100  
Inrush 10/50 A 250 V AC 1E4 T100
- UL 15A 250Vac (Twin unit is 10A 250Vac)  
UL 125Vac 1/2hp  
UL 100°C, CSA file LR10990
- 3mm contact gap.

Terminal	Function	Rocker	Body	Body Colour	Rocker Colour
<b>H</b> 	 Switches are ON when pressed over terminal 1		<b>A. Single contact</b>  Panel Cut  Bezel   *Optional profile for orientation	<b>B</b> Black	<b>B</b> Black
<b>T</b> 	<b>8800</b>  ON - OFF Single contact		<b>B. Single contact - Twin</b>  Panel Cut  Bezel   *Optional profile for orientation	<b>R</b> Red	<b>R</b> Red
<b>X</b> 	<b>8800</b>  ON - OFF Twin contact		  Panel thickness 0.75-1.2 1.25-1.99 2.00-3.00  Dim X 19.1/19.2 19.3/19.4 19.7/19.8  Cut-outs must be punched in the direction of insertion	<b>W</b> White	<b>W</b> White

Legend	Legend Colour	Options
<div>Blank</div> <div>132</div>	<div>Blank</div> <div>B Black</div> <div>W White</div>	<div>Finish</div> <div>Matt finish only.</div> <div>Colour</div> <div>Call sales for custom colours.</div> <div>A full range is available for large orders.</div> <div>Legend printing</div> <div>Select from the examples or call sales for custom legends.</div>

Examples



⌘ X8800VA



⌘ X8800VA

⌘ T8800VA - - -



⌘ X8800VA

⌘ T8800VA - - -



⌘ H8800V/H8800VA

⌘ T8800V/T8800VA



⌘ H8800V/H8800VA

⌘ T8800V/T8800VA

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Bulgin Connectors 403

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# 8500 Rocker Switches - Miniature

15A 250Vac Single & Double Contact

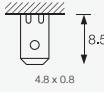

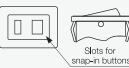
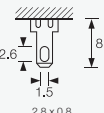

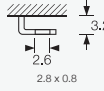

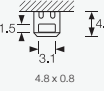

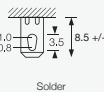






## Key Features

- Miniature rocker switch
- Ratings up to 15A, 250Vac
- Single & double contact in same body size
- Illuminated & non-illuminated
- Matching indicators
- Industry standard panel cut-out
- Rotary and push button actuator options
- Panel cut out: 19.3 x 12.9

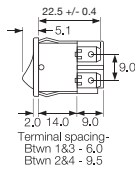
## Approvals and specifications

- 6(4) A, 250 VAC, 5E4, T125
- 10(6) A, 250 VAC, T125
- 10(6) A, 250 VAC, T100
- UL 15A Non Ind 250Vac, 14A Ind 250Vac, 10A 277Vac
- UL 250Vac 1/2hp, 125Vac 1/4hp
- UL 105°C, (non lit)
- 3mm contact gap.

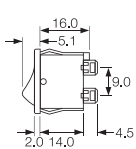
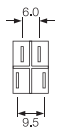
Terminal	Function	Rocker	Body	Body Colour	Rocker Colour
<b>H</b> 	 ON OFF Switches are ON when pressed over terminal 1	<b>H</b> Slotted for custom caps 	<b>B</b> Standard body with terminal barrier Panel cut out: 12.9 x 21.0 Bezel: 15.0 x 21.0	<b>B</b> Black	Un-Lit <b>B</b> Black
<b>K</b> 	<b>8500</b> ON - OFF Single contact (Uses terminals 1a & 2a)	<b>R</b> Semi-rotary (not lit) 		<b>R</b> Red	<b>R</b> Red
<b>L</b>  Right angle version of K terminal available on 8500 only	<b>8503</b> ON (lit) - OFF Single contact	<b>D</b> Paddle lever (not lit) 	<b>BC</b> Body without terminal barrier Panel cut out: 12.9 x 21.0 Bezel: 15.0 x 21.0 Dimensions for snap-in fixing Panel thickness: 0.75-1.25, 1.25-2.00, 2.00-3.00 Dim X: 19.1/19.2, 19.3/19.4, 19.7/19.8	<b>W</b> White	Lit <b>A</b> Amber
<b>R</b> 	<b>8550</b> ON - OFF Double contact	<b>V</b> Curved (not lit) 			<b>G</b> Green
<b>T</b>  Solder	<b>8553</b> ON (lit) - OFF Double contact	<b>V</b> Curved (lit) 			<b>C</b> Clear
	<b>8580</b> Available with H terminals only	<b>X</b> Two colour (not lit) 			<b>R</b> Red
	 Indicator UL/CSA E63363	<b>A</b> Softline lens 			
		<b>P</b> Push button operation (8500 only) See drawing opposite			

Dimensions

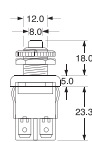
“B” body with barrier for H, T and K terminals



“BC” body w/o barrier primarily for L or R terminals (can be used for all terminals)



‘PO’ Actuator and body - push button function (8500 only)



Insert Colour

Lamp Voltage

Legend

Legend Colour

Options

**X**

Rocker Only

Blank

Blank

Blank

**Finish**  
Matt finish only.

**R**

Red

**2**

125V Neon

**076**

**B**

Black

**Colour**  
Call sales for custom colours.  
A full range is available for large orders.

**Legend printing**  
Select from the examples or call sales for custom legends.

**Lamp voltage**  
Call sales for details of available voltages.

**W**

White

**3**

250V Neon

**W**

White

**Protective cover L167**  
Snaps on to bodies with V or X style rockers and A lens. This reduces panel thickness by 0.8mm.

Leave blank for other  
Rocker types

**7**

12V Filament

**8**

24V Filament



Examples



H8500VB ---  
T8500VB ---



H8550VB ---  
T8550VB ---



H8550HB ---  
T8550HB ---



H8550XB ---  
T8550XB ---



H8550RB Semi-rotary  
A splash proofing option



H8500PO ---  
Pushbutton option



H8553VB ---  
T8553VB ---



H8580AB ---



# 8600 Rocker Switches - Miniature

10A 250Vac Single & Double Contact



### Key Features

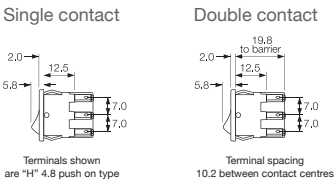
- Miniature rocker switch
- Rated up to 16A, 250Vac
- Single & double Contact
- ON/OFF, C/O, biased and centre off switching
- Push on, solder and PCB terminals
- Illuminated and non illuminated
- Matching indicators
- Panel cut out single: 19.3 x 12.9 double: 19.3 x 21.9

### Approvals and specifications

- 10(4)A 250Vac T90 (unless noted below)
- UL See ratings below UL 65°C, file E45221
- 3mm contact gap except where marked  $\mu$ .

Terminal	Function	Rocker	Body	Body Colour
<div><b>H</b>  4.8 x 0.8 7.4</div>	<div>Approvals &amp; ratings vary with function</div> <div></div> <div>ON OFF Switches are ON when pressed over terminal 3</div> <div></div> <div><b>8600</b> 10(4)A 16A 250V, 10A 277V 1/2HP 277V, 1/4HP 125V ON - OFF</div> <div></div> <div><b>8650</b> 10(4)A 10A 277V 1/2HP 277V, 1/4HP 125V ON - OFF</div> <div></div>	<div><b>V</b> Curved </div> <div><b>V</b> Curved (lit) </div> <div><b>F</b> Flat Indicator only (Single contact) </div>	<div><b>B</b> Single Contact  Panel cut out 12.9 21.0 Bezel 15.0 Single Contact dimensions for snap-in fixing Panel thickness 0.75-1.25 1.25-1.99 2.00-3.00 Dim X 19.1/19.2 19.3/19.4 19.7/19.8</div> <div><b>B</b> (Double Contact) with terminal barrier  Panel cut out 12.9 21.0 Bezel 15.0 Double Contact dimensions for snap-in fixing Panel thickness 0.75-1.24 1.25-1.99 2.00-3.00 Dim X 19.1/19.2 19.3/19.4 19.7/19.8</div> <div><b>BC</b> (Double Contact) w/o terminal barrier  Panel cut out 21.9 21.0 Bezel 24.0 Double Contact dimensions for snap-in fixing Panel thickness 0.75-1.24 1.25-1.99 2.00-3.00 Dim X 19.1/19.2 19.3/19.4 19.7/19.8</div> <div>Cut-outs must be punched in the direction of insertion</div>	<div><b>B</b> Black</div> <div><b>R</b> Red</div> <div><b>W</b> White</div>
<div><b>T</b>  3.5 x 0.8 6.4 Solder</div>	<div><b>8601</b> 6(1)A 16A 250V, 6A 277V ON - OFF (momentary ON)</div> <div></div> <div><b>8651</b> 6(1)A 6A 277V ON - OFF (momentary ON)</div> <div></div>			
<div><b>X</b>  3.7 5.3 PCB 0.8Sq</div>	<div><b>8602</b> 10A 6A 277V ON - OFF (momentary OFF)</div> <div></div> <div><b>8652</b> 10(4)A 6A 277V ON - OFF (momentary OFF)</div> <div></div>			
<div>Double Contact switches with "X" terminals are supplied without terminal barriers</div>	<div><b>N/A</b> ON - OFF Lit</div> <div><b>8653</b> 10(4)A 6A 277V ON - OFF Lit</div> <div></div>			
	<div><b>8610</b> 6(1)A 10A 277V 1/2HP 277V, 1/4HP 125V ON - ON</div> <div></div> <div><b>8660</b> 6(1)A 10A 277V 1/2HP 277V, 1/4HP 125V ON - ON</div> <div></div>			
	<div><b>8611</b> 6A 277V ON - ON (momentary 1 side)</div> <div></div> <div><b>8661</b> 6A 277V ON - ON (momentary 1 side)</div> <div></div>			
	* 8611 and 8661 not covered by ENEC			
	<div><b>8620 <math>\mu</math></b> ON - OFF - ON</div> <div></div> <div><b>8670 <math>\mu</math></b> ON - OFF - ON</div> <div></div>			
	<div><b>8630</b> 6(1)A UL E63363 CSA LR29381</div> <div></div> <div><b>N/A</b></div>			
	Indicators			

### Dimensions



Rocker Colour	Lamp Voltage	Legend	Legend Colour	Options
<div>Un-Lit</div> <div><b>B</b></div> <div>Black</div> <div><b>R</b></div> <div>Red</div> <div><b>W</b></div> <div>White</div> <div>Lit</div> <div><b>A</b></div> <div>Amber</div> <div><b>G</b></div> <div>Green</div> <div><b>C</b></div> <div>Clear</div> <div><b>R</b></div> <div>Red</div>	<div>Blank</div> <div><b>2</b></div> <div>125V Neon</div> <div><b>3</b></div> <div>250V Neon</div> <div><b>7</b></div> <div>12V Filament</div> <div><b>8</b></div> <div>24V Filament</div>	<div>Blank</div> <div><b>076</b></div>	<div>Blank</div> <div><b>B</b></div> <div>Black</div> <div><b>W</b></div> <div>White</div>	<div>Finish</div> <div>Matt finish only.</div> <div>Colour</div> <div>Call sales for custom colours.</div> <div>A full range is available for large orders.</div> <div>Legend printing</div> <div>Select from the examples or call sales for custom legend.</div> <div>Lamp voltage</div> <div>Call sales for details of available voltages.</div> <div>Blanking plate A8634FB</div> <div>Dummy unit to fill unused panel holes.</div> <div>Single contact size only.</div> <div>Protective covers</div> <div>L167 for SP</div> <div>L180 for DP</div> <div>Snap on to bodies with V rocker or F lens. This reduces panel thickness by 2.2mm.</div> <div> </div> <div>Single Contact options</div> <div>Most switches shown can have single contact switching in double contact bodies.</div>

### Examples

H8600VB ---
T8600VB ---

H8600VB ---
T8600VB ---

H8630FB ---
T8630FB ---

H8650VB ---
T8650VB ---

H8660VB ---
T8660VB ---

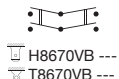
H8653VB ---
T8653VB ---

# 8620 & 8670 Rocker Switches

3 Positions - 10A 250Vac



H8620VB ---  
T8620VB ---



## Key Features

- 3 position miniature rocker switch
- Panel cut out: single: 19.3 x 12.9 double: 19.3 x 21.9
- Ratings up to 15A, 250Vac
- Single & double Contact
- Centre off switching
- Push on, solder and PCB terminals
- Matching indicators

## Approvals and specifications

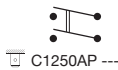
- 10(4)A 250Vac T90
- UL 15A 277Vac (Single Contact)
- UL 250Vac 1/2hp (Single Contact)
- UL 125Vac 1/4hp (Single Contact)
- UL 10A 277Vac (Double Contact)
- UL 277Vac 1/2hp (Single & Double Contact)
- UL 90°C
- µ contact gap.

Terminal	Function	Rocker	Body	Body Colour	Rocker Colour
<b>H</b>  4.8 x 0.8	 <b>8620</b> ON - OFF - ON Single Contact	<b>V</b>  Curved	<b>B</b> Single Contact  Panel thickness 0.75-1.24 1.25-1.99 2.00-3.00 Dim X 19.1/19.2 19.3/19.4 19.7/19.8	<b>B</b> Black	Lit (DP) <b>A</b> Amber
<b>T</b>  Solder	 <b>8670</b> ON - OFF - ON Double Contact	<b>H</b>  Slotted for actuator (8620 only)	<b>B</b> Single Contact - Twin  Panel thickness 0.75-1.24 1.25-1.99 2.00-3.00 Dim X 19.1/19.2 19.3/19.4 19.7/19.8	<b>R</b> Red	Clear <b>G</b> Green
<b>X</b>  PCB 0.8sq Double Contact switches with X terminals are supplied without terminal barriers				<b>W</b> White	Red <b>B</b> Black
					Lit (DP) <b>R</b> Red
					White <b>W</b> White



# 1250 Rocker Switches

10A 250Vac



C1250AP ---



C1250AN ---

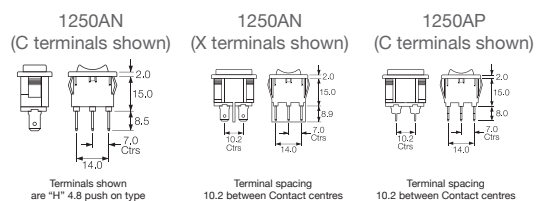


## Key Features

- Standard rocker switch
- Panel cut out: 27.2 x 12.4 (snap in) 26.3 x 12.4 (sub panel mount)
- Double Contact in single Contact body
- Snap in or sub panel mount
- Integral terminal barrier
- Push on or PCB terminals

Terminal	Function	Rocker	Body	Body Colour	Rocker Colour
<b>C</b>  6.3 x 0.8	 On when pressed over terminal 1 <b>1250</b>  ON - OFF Double Contact Contacts are 9.0mm between centres.	<b>A</b> Curved  Shown in N body	<b>N</b> Panel out-out  Sub-panel 12.4/12.5 26.1/26.2 Facia 13.1 nom 23.8 nom R3.5 Bezel 13.0 29.5 Panel thickness 0.75-1.24 1.25-1.99 2.00-3.00 Dim X 26.1/26.2 26.3/26.4 26.7/26.8	<b>B</b> Black  <b>W</b> White	<b>B</b> Black  <b>W</b> White
<b>X</b>  PCB 0.8sq (N body only)	 On when pressed over terminal 1 <b>1250SP</b>  ON - OFF Single Contact	 Shown in P body	<b>P</b> Panel out out  12.4/12.5 27.2/27.3 Bezel 15.0 29.5 Panel thickness 0.75-3.00 <small>Out-outs must be punched in the direction of insertion</small>		<b>G</b> Grey

## Dimensions



## Approvals and specifications



Legend	Legend Colour	Options
Blank	Blank	<p><b>Finish</b> Matt finish only.</p> <p><b>Colour</b> Call sales for custom colours. A full range is available for large orders.</p> <p><b>Legend printing</b> Select from the examples or call sales for custom legend.</p>
085	<p><b>B</b> Black</p> <p><b>W</b> White</p>	

# 6000 SP Splash Resistant Rocker Switches

16A 250Vac



### Key Features

- Ratings up to 20A, 277Vac
- Positive switch action
- Distinctive styling
- Illuminated & nonilluminated
- Single Contact
- Panel cut out: 30.1 x 11.1mm

### Approvals and specifications

European 16(4)A 250Vac T125, 10A 400Vac T125  
UL = 20A 277Vac, 1 1/2HP 250Vac 1HP 125Vac  
cUL = 20A 277Vac, 1HP 125Vac, 1/2HP 125Vac  
3mm contact gap with Positive Break switching.  
Call factory for IP details.

### Vary with Function

Approvals & ratings vary with function  
ON OFF Switches - ON when pressed  
over terminals 3.



Terminal	Function	Rocker	Body	Body Colour	Rocker Colour	Lamp Voltage
<b>C</b>  6.3 x 0.8	<b>6000</b>  ON - OFF <b>6001</b>  ON - OFF (momentary ON)	<b>A</b> Softline Matt 	<b>L</b> Panel cut-out ** Bezel  Cut-outs must be punched in the direction of insertion	<b>B</b> Black <b>W</b> White	Lit (DP) <b>A</b> Amber <b>C</b> Clear <b>G</b> Green <b>R</b> Red	Blank <b>2</b> 125V Neon <b>3</b> 250V Neon
<b>H</b>  4.8 x 0.8	<b>6002</b>  ON - OFF (momentary OFF) <b>6003</b>  ON - OFF Lit	<b>A</b> Softline Matt 	<b>P</b> Lit window Matt 		<b>R</b> Red	<b>5</b> 12Vdc LED (P Rocker)
<b>S</b>  Screw & Clamp N/A for assemblies with 3 terminals	<b>6008</b>  ON - OFF Lit (Unswitched neutral) <b>6009</b>  ON - OFF (momentary ON) Lit (Unswitched neutral) <b>6010</b>  ON - ON <b>6011</b>  ON - ON (momentary 1 side)				Lit (DP) <b>B</b> Black <b>R</b> Red <b>W</b> White	<b>6</b> 24Vdc LED (P Rocker) <b>7</b> 12V Filament <b>8</b> 24Vdc Filament

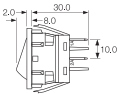
### Integral Splash Resistance




Current carrying parts are protected from moisture. Droplets which may enter the switch are channelled out through ports in the switch body.

For IP65 see options below

### Dimensions



Panel thickness  
L 0.75 to 2.5mm  
\*\* For cut-out details on momentary switches call sales

Legend	Legend Colour	Options
<div>Blank</div>	<div>Blank</div>	<div><b>G74</b> Protective Cover</div>
<div>1223</div>	<div><b>B</b> Black</div>	<div><b>Finish</b> Matt is standard.</div>
		<div><b>Colour</b> Call sales for custom colours. A full range is available for large orders.</div>
	<div><b>W</b> White</div>	<div><b>Legend printing</b> Select from the examples or call sales for custom legends.</div>
		<div><b>Lamp voltage</b> Call sales for details.</div>
		<div><b>Protective cover</b> A snap on cover is available (add G after body code), this reduces panel thickness by 2mm.</div>
		<div></div>
		<div>Panel sealing washer W46 is available, this reduces panel thickness by 1.2mm.</div>
		<div>Covers are not suitable for momentary types. For all options call the factory</div>

### Examples



C6000AL - - -



C6000AL - - -



C6010AL - - -



C6003AL - - -



C6003PL - - -



C6030AL - - -

# 6050 DP Splash Resistant Switches

& Twin Switches - 16A 250Vac

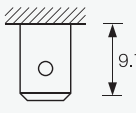



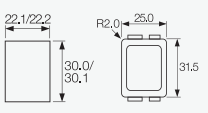
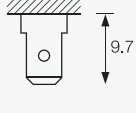



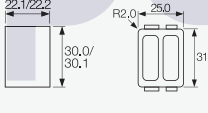
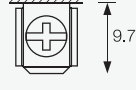



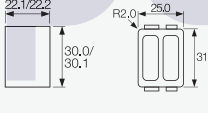


















## Key Features

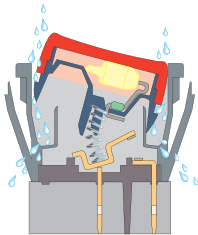
- Ratings up to 20A, 277V ac
- Positive switch action
- Distinctive styling
- Illuminated & non-illuminated
- Double Contact
- DC LED Illumination Available
- Panel cut out: 30.1 x 22.2mm

## Approvals and specifications

- European 16(4)A 250Vac T125, 10A 400Vac T125
- UL (except 6054 & 6055 Switches) 20A 277Vac, 250Vac 11/2hp, 125Vac 1hp
- UL 100°C
- 3mm contact gap with Positive Break switching.

Terminal	Function		Rocker	Body	Body Colour
<b>C</b>  6.3 x 0.8	<b>6050</b>  ON - OFF	<b>6060</b>  ON - ON	<b>A</b> Softline Matt 	<b>L</b> Double Contact Panel cut-out ** Bezel 	Lit (DP) <b>A</b> Amber
<b>H</b>  4.8 x 0.8	<b>6051</b>  ON - OFF (momentary ON)	<b>6061</b>  ON - ON (momentary 1 side)	<b>A</b> Softline Matt 	<b>L</b> Twin units Contact sales for information on splash resistance and IP ratings 	<b>C</b> Clear <b>G</b> Green
<b>S</b>  Screw & Clamp N/A for assemblies with 3 terminals	<b>6052</b>  ON - OFF (momentary OFF)	<b>6062</b>  2 Circuit ON - ON (In house tests only)	<b>P</b> Lit window Matt 	<b>L</b> 	<b>R</b> Red  Un-Lit (DP)
	<b>6053</b>  ON - OFF Lit	<b>6066</b>  ON - ON (Single Contact) Isolated light			<b>B</b> Black
	<b>6054</b>  ON - OFF (momentary ON) Lit	<b>6067</b>  ON - ON Lit			<b>R</b> Red
	<b>6055</b>  ON - OFF (Single Contact) (momentary ON) Lit	<b>6068</b>  ON - ON 1 Contact ON - OFF Lit 1 Contact			<b>W</b> White
	<b>6056</b>  ON - OFF (Single Contact) Isolated light	<b>6090</b>  ON - OFF 1 Contact ON - OFF Lit 1 Contact			
	<b>6057</b>  ON - OFF Isolated light	<b>6091</b>  ON - OFF (momentary ON) Lit			
	<b>6058</b>  ON - OFF (Single Contact) Lit	<b>6092</b>  ON - OFF 1 Contact ON - ON 1 Contact Lit			
	<b>6059</b>  ON - OFF (Single Contact) (momentary ON) Isolated light				

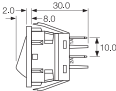
Integral Splash Resistance



Current carrying parts are protected from moisture. Droplets which may enter the switch are channelled out through ports in the switch body.

For IP65 see options below

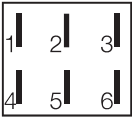
Dimensions



Panel thickness  
L 0.75 to 2.5mm  
\*\* For cut-out details on momentary switches call sales  
Terminal spacing - Contacts 10.5 between centres

Vary with Function

Approvals & ratings vary with function  
ON OFF Switches - ON when pressed over terminals 3 & 6.



Rocker Colour	Lamp Voltage	Legend	Legend Colour	Options
<b>B</b> Black	Blank	Blank	Blank	<b>G74</b> Protective Cover
<b>R</b> Red	<b>2</b> 125V Neon	<b>1223</b>	<b>B</b> Black	<b>Finish</b> Matt is standard.
<b>W</b> White	<b>3</b> 250V Neon		<b>W</b> White	<b>Colour</b> Call sales for custom colours. A full range is available for large orders.
	<b>5</b> 12Vdc LED (P Rocker)			<b>Legend printing</b> Select from the examples or call sales for custom legends.
	<b>6</b> 24Vdc LED (P Rocker)			<b>Protective cover</b> The 6050 series is a water through design. For a higher level of sealing, a snap on cover is available (add G after body code). This reduces panel thickness by 1mm.
	<b>7</b> 12V Filament			
	<b>8</b> 24Vdc Filament			Panel sealing washer W42 is available. This reduces panel thickness by 1.00mm. Covers are not suitable for momentary types.
				<b>IP Ratings</b> Call the sales for details.
				<b>Terminal Link P1067</b> connects the Contacts of a double Contact switch or twin unit.
				# Mounting orientation may affect IP rating.

Examples



C6050AL - - -



C6053AL - - -



C6053PL - - -



C6000A/C6000AL



C6003P/C6003PL



C6003P/C6030AL

# 1500 Standard & 1300 High Inrush Switches

150A to EN61058-1 and 16A 250Vac



## Key Features

- Standard rocker switch
- Non-illuminated
- 150A inrush
- Choice of switching circuits including 3 position
- Choice of bezel styles
- Choice of panel cut outs
- Matching indicator
- Single Contact
- Splash resistant option
- DC LED Illumination Available for "P" Rocker
- Panel cut out 'A' style: 27.3 x 12.3mm

## Approvals and specifications

- 1500 Series 16(4)A 250Vac T125 (European Approvals Pending)
- UL 16A Non Ind 250Vac, (2 posn) 250Vac 1hp, 125Vac 1/2hp, (3 posn) 250Vac 1/2hp, 125Vac 1/4hp 1330 36Vdc 14A 1350 72 Vdc 7A 1500 & 1510 14 Vdc 10A UL 85°C

**In house test:**  
10A 24Vdc— Indicative rating only

1300 series 16(4)A 250Vac T125 1E4 (10,000 Ops.)

Terminal	Function	Rocker	Body	Finish	Body Colour
<p><b>C</b></p> <p>6.3 x 0.8</p>	<p><b>Standard 1500</b> ON - OFF</p> <p><b>1501</b> HP rating N/A ON - OFF (momentary ON)</p> <p><b>1502</b> HP rating N/A ON - OFF (momentary OFF)</p> <p><b>1510 µ</b> HP rating N/A ON - ON</p> <p><b>1511 µ</b> HP rating N/A ON - ON (momentary 1 side)</p> <p><b>1520 µ</b> 125V &amp; 250V 1/2 HP H terminal rated T100 only ON - OFF - ON</p> <p><b>1521 µ</b> HP rating N/A H terminal rated T100 only ON - OFF - ON (momentary 1 side)</p> <p><b>1522 µ</b> HP rating N/A H terminal rated T100 only ON - OFF - ON (momentary 2 sides)</p> <p><b>0430 (Indicator)</b> HP rating N/A H terminal rated T100 only</p> <p><b>1484</b> In-house tested to 10(3)A 250Vac 3 position selective</p> <p><b>1487</b> In-house tested to 10(3)A 250Vac 3 position selective</p> <p><b>High Inrush 1300</b> ON - OFF</p>	<p><b>A</b> Softline Matt</p> <p><b>B</b> Splash resistant (with Arcshield) Matt</p> <p><b>H</b> Slotted (for custom Adaptors) not momentary</p> <p><b>V</b> Curved Matt or gloss</p> <p><b>W</b> Splash resistant (with Arcshield) Matt</p> <p><b>X</b> Two colour Matt ON - OFF only (not momentary)</p> <p><b>F</b> Flat lens Gloss (0430 only)</p> <p><b>A</b> Softline lens Matt (0430 only) as F but with raised profile</p>	<p>Panel cut-out Bezel Cut-outs must be punched in the direction of insertion</p> <p><b>A</b> 27.2/27.3 12.2/12.3 30.2 14.0 Gloss or Matt</p> <p><b>B</b> 30.0/30.1 11.0/11.1 33.4 14.0 Matt only</p> <p><b>L</b> 30.0/30.1 11.0/11.1 32.0 14.0 Matt only</p> <p><b>Q</b> 28.2/28.3 11.5/11.6 30.2 14.0 Gloss or matt</p> <p><b>R</b> 28.5/28.6 14.0/14.1 31.5 17.0 Matt only</p> <p><b>T</b> 28.2/28.3 11.5/11.6 30.2 14.0 Matt only</p>	<p><b>M</b> Matt</p> <p><b>G</b> Gloss</p> <p>Applies to both Rocker &amp; Body</p>	<p><b>B</b> Black</p> <p><b>R</b> Red</p> <p><b>W</b> White</p>
<p><b>H</b></p> <p>4.8 x 0.8*</p>					
<p><b>K</b></p> <p>2.8 x 0.8*</p>					
<p><b>T</b></p> <p>Ø2.1</p> <p>Solder</p>					
<p><b>U</b></p> <p>Right angle "T" solder terminal</p>					
<p><b>X</b></p> <p>PCB 0.8Sq* *N/A for 1300 series</p>					

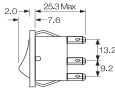


### Dimensions

150A Inrush to EN61058-1  
UL 20A 250Vac 1hp, 125Vac 1/2hp  
UL 85°C

**In house test:**  
20A 24Vdc—Indicative rating only

3mm contact gap except if marked µ.

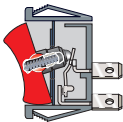


**Panel thickness**  
A,Q 0.75 to 3.3mm  
L,B,T 0.75 to 2.5mm  
R 0.75 to 3.0mm

\* For cut-out details on momentary switches call sales

### Splash Resistance

**1500 W and B splash resistant options**  
Feather edge seals and a close fitting collar protect current carrying parts from moisture.  
B option has Hytrel collar/seals for enhanced protection.



**1300 High inrush, positive break switching**  
The 1300 series mechanism ensures contact welds formed at switch-on are positively separated by the plunger tube acting directly on the step in the moving contact.

Rocker Colour	Lamp Voltage	Insert Colour	Legend	Legend Colour	Options
<div>Un-Lit</div> <div>B</div> <div>Black</div> <div>R</div> <div>Red</div> <div>W</div> <div>White</div> <div>Lit</div> <div>A</div> <div>Amber</div> <div>C</div> <div>Clear</div> <div>G</div> <div>Green</div> <div>R</div> <div>Red</div>	<div>Blank</div> <div>2</div> <div>125V Neon</div> <div>3</div> <div>250V Neon</div> <div>7</div> <div>12V Filament</div> <div>8</div> <div>24Vdc Filament</div>	<div>Blank</div> <div>R</div> <div>Red</div> <div>W</div> <div>White</div>	<div>Blank</div> <div>602A</div>	<div>Blank</div> <div>B</div> <div>Black</div> <div>W</div> <div>White</div>	<div>Finish</div> <div>Matt is standard.</div> <div>Colour</div> <div>Call sales for custom colours.</div> <div>A full range is available for large orders.</div> <div>Legend printing</div> <div>Select from the examples or call sales for custom legends.</div> <div>Lamp voltage</div> <div>Call sales for details.</div> <div>Blanking plates A0434 - -</div> <div>Dummy units to fill unused panel holes.</div> <div>Protective cover</div> <div>Snap on to A, L, Q or T bodies (add G after body code in cat no.), this reduces panel thickness by 1mm.</div> <div> </div> <div>Panel sealing washer W46 is available for the same body sizes, this reduces panel thickness by a further 0.8mm.</div> <div>Covers are not suitable for momentary types.</div> <div>For all options call sales.</div>
<div>Examples</div> <div> <div> <div>C1500AR - - -</div> </div> <div> <div>T1500AR - - -</div> </div> <div> <div>C1500AL - - -</div> </div> <div> <div>T1500AL - - -</div> </div> <div> <div>C1500XL - - -</div> </div> <div> <div>T1500XL - - -</div> </div> <div> <div>C1510AL - - -</div> </div> <div> <div>T1510AL - - -</div> </div> <div> <div>C1520AL - - -</div> </div> <div> <div>T1520AL - - -</div> </div> <div> <div>C0430AL - - -</div> </div> <div> <div>T0430AL - - -</div> </div> </div>					

# 5500 Lit Rocker Series

10A 250Vac



## Key Features

- Standard rocker switch
- Illuminated
- Choice of switching circuits
- Choice of bezel styles
- Choice of panel cut outs
- Matching indicator
- Single Contact
- Splash resistant option
- Panel cut out 'A' style:

## Approvals and specifications

6(4) A, 250 V ac, 50/60 Hz, IP40, 1E4, T85/55, micro disconnection  
12 A, 250 V ac, 50/60 Hz, IP40, 1E4, T125/55, micro disconnection

UL 15A 250Vac, CSA 16A Non Ind 250Vac  
UL 250Vac 1hp, 125Vac 1/2hp  
UL 85°C

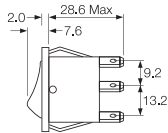
μ contact gap.

For Twin units repeat the order details for both the left and right sides.

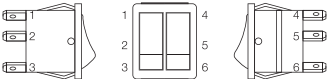
Terminal	Function	Rocker	Body	Body Colour	Rocker Colour
<b>C</b>  6.3 x 0.8	Approvals & ratings vary with function ON OFF Switches - ON when pressed over terminal 3  <b>5500 μ</b>  ON - OFF Single Contact	<b>A</b> Softline (Matt only) 	<b>A</b> Panel Cut - outs  27.2 27.3 12.2/12.3 <b>B</b>  30.0 30.1 11.0/11.1 <b>L</b>  30.0 30.1 11.0/11.1 <b>Q</b>  28.2 28.3 11.5/11.6 <b>R</b>  28.5 28.6 14.0/14.1 <b>T</b>  28.2 28.3 11.5/11.6	<b>B</b> Black <b>W</b> White	Un-Lit <b>B</b> Black <b>R</b> Red <b>W</b> White Lit <b>A</b> Amber <b>C</b> Clear <b>G</b> Green <b>R</b> Red
<b>H</b>  4.8 x 0.8	<b>5503 μ</b>  ON - OFF Lit Switched neutral	<b>P</b> Lit window (Matt only) 	<b>B</b>  30.0 30.1 11.0/11.1 <b>L</b>  30.0 30.1 11.0/11.1 <b>Q</b>  28.2 28.3 11.5/11.6 <b>R</b>  28.5 28.6 14.0/14.1 <b>T</b>  28.2 28.3 11.5/11.6	<b>B</b> Black <b>W</b> White	Un-Lit <b>B</b> Black <b>R</b> Red <b>W</b> White Lit <b>A</b> Amber <b>C</b> Clear <b>G</b> Green <b>R</b> Red
<b>T</b>  Ø2.1 Solder	<b>5508 μ</b>  ON - OFF Lit Unswitched neutral	<b>P</b> Lit window (Matt only) 	<b>B</b>  30.0 30.1 11.0/11.1 <b>L</b>  30.0 30.1 11.0/11.1 <b>Q</b>  28.2 28.3 11.5/11.6 <b>R</b>  28.5 28.6 14.0/14.1 <b>T</b>  28.2 28.3 11.5/11.6	<b>B</b> Black <b>W</b> White	Un-Lit <b>B</b> Black <b>R</b> Red <b>W</b> White Lit <b>A</b> Amber <b>C</b> Clear <b>G</b> Green <b>R</b> Red

### Dimensions

**Panel thickness**  
**A,Q** 0.75 to 3.3mm  
**L,B,T** 0.75 to 2.5mm  
**R** 0.75 to 3.0mm



**Twin units**  
Two single switches or a switch and an indicator light can be assembled side by side in one double Contact body.  
For 5500 range panel cut-out details (L, B and T) call sales.



Terminal spacing -  
Contacts 10.8 between centres (twin units)

For twin units the first set of order format details refer to the left hand unit, when looking at the front of the assembly.  
(This has terminal numbers 1, 2 & 3)

Lamp Voltage	Legend	Legend Colour	Options
<div>Blank</div> <div>2</div> <div>125V Neon</div> <div>3</div> <div>250V Neon</div> <div>5</div> <div>12Vdc LED (P Rocker) IF = 20-30mA</div> <div>6</div> <div>24Vdc LED (P Rocker) IF = 20-30mA</div> <div>7</div> <div>12V Filament</div> <div>8</div> <div>24Vdc Filament</div>	<div>Blank</div> <div>602A</div>	<div>Blank</div> <div>B</div> <div>Black</div> <div>W</div> <div>White</div>	<div><b>Finish</b> Matt is standard.</div> <div><b>Colour</b> Call factory for custom colours. A full range is available for large orders.</div> <div><b>Legend printing</b> Select from the examples or call factory for custom legends.</div> <div><b>Lamp voltage</b> Call factory for details.</div> <div><b>Blanking plate A0434 -- (SP) A0494 -- (DP)</b> Dummy units to fill unused panel holes.</div> <div><b>Protective cover</b> Snaps on to A, L, Q or T bodies (add G after body in cat no.), this reduces panel thickness by 1.00mm.</div> <div></div> <div>Panel sealing washers W46 (Single Contact) and W42 (Double Contact) are available for these body types, this reduces panel thickness by 2mm.</div> <div>For all options call the factory.</div>

### Examples



C5503AL ---



C5500AL ---



C5503PL ---



C5503A/C5430AL



C5503A/C5503AL



C5503P/C5503PL

1500 Twin Units Switches and Indicators

16A 250Vac



Key Features

- ☐

Twin unit rocker switch
- ☐

Choice of switching circuits including 3 position
- ☐

Push-on, solder and PCB terminals
- ☐

Choice of bezel styles
- ☐

Choice of panel cut outs
- ☐

Matching indicator
- ☐









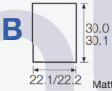



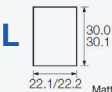

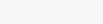









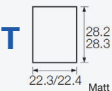
Single Contact switches
- ☐

Splash resistant option
- ☐

Panel cut out 'A' style: 27.2 x 22.3mm

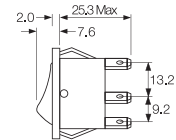
Approvals and Specifications

- 16(4)A 250Vac T125 (Pending)
- UL 16A 250Vac  
UL (2 posn) 250Vac 1hp, 125Vac 1/2hp, (3 posn) 250 Vac  
1/2hp, 125Vac 1/4hp  
UL 85°C
- For versions with High Inrush or for 50,000 operations,  
3mm contact gap except where marked  $\mu$ .

Terminal	Function	Rocker	Body	Finish	Body Colour	Rocker Colour
<div>C</div> <div></div> <div>6.3 x 0.8</div>	<div>Approvals &amp; ratings vary with function ON OFF Switches - ON when pressed over terminal 1 or 4</div> <div></div>	<div>A</div> <div>Softline (Matt only)</div> <div></div>	<div>Panel Cut - outs</div> <div>Bezel</div> <div><div>A</div><div></div><div>27.2 27.3 22.3/22.4</div></div> <div><div>Gloss or Matt</div><div></div><div>30.2 25.0</div></div>	<div>M</div> <div>Matt</div>	<div>B</div> <div>Black</div>	<div>Un-Lit</div> <div>B</div> <div>Black</div>
<div>H</div> <div></div> <div>4.8 x 0.8</div>	<div>1500</div> <div></div> <div>ON - OFF</div>	<div>B</div> <div>Softline (Matt only)</div> <div></div>	<div>B</div> <div></div> <div>30.0 30.1 22.1/22.2</div>	<div>G</div> <div>Gloss</div>	<div>W</div> <div>White</div>	<div>R</div> <div>Red</div>
<div>T</div> <div></div> <div>Ø2.1 Solder</div>	<div>1510 <math>\mu</math></div> <div></div> <div>ON - ON</div>	<div>W</div> <div>Softline (Matt only)</div> <div></div>	<div>L</div> <div></div> <div>30.0 30.1 22.1/22.2</div>	<div>Applies to both Rocker &amp; Body</div>		<div>W</div> <div>White</div>
<div>K</div> <div></div> <div>2.0 1.2</div>	<div>1520 <math>\mu</math></div> <div></div> <div>ON - OFF - ON</div>	<div>X</div> <div>Softline (Matt only)</div> <div></div>	<div>Q</div> <div></div> <div>28.2 28.3 22.3/22.4</div>			<div>Lit</div>
<div>K</div> <div></div> <div>2.0 1.2</div>	<div>0430</div> <div></div> <div>Indicator</div>	<div>A</div> <div>Softline (Matt only)</div> <div></div>	<div>Q</div> <div></div> <div>28.2 28.3 22.3/22.4</div>			<div>A</div> <div>Amber</div>
<div>X</div> <div></div> <div>4.0</div>		<div>A</div> <div>Softline (Matt only)</div> <div></div>	<div>R</div> <div></div> <div>28.4 28.5 25.3/25.4</div>			<div>C</div> <div>Clear</div>
			<div>T</div> <div></div> <div>28.2 28.3 22.3/22.4</div>			<div>G</div> <div>Green</div>
						<div>R</div> <div>Red</div>

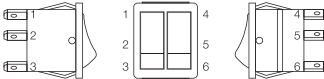
Dimensions

Panel thickness  
A,Q 0.75 to 3.3mm  
L,B,T 0.75 to 2.5mm  
R 0.75 to 3.0mm



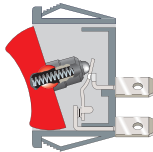
Call sales for terminal spacing details

Twin units  
Two single switches or a switch and an indicator light can be assembled side by side in one double Contact body.



For twin units the first set of order format details refer to the left hand unit, when looking at the front of the assembly.  
(This has terminal numbers 1, 2 & 3)

Splash Resistant



Feather edge seals and a close fitting collar protect current carrying parts from moisture.  
  
B option has Hytrel collar/seals for enhanced protection.

Insert Colour	Lamp Voltage	Legend	Legend Colour	Options
Blank	Blank	Blank	Blank	<p>Finish Matt is standard.</p> <p>Colour Call factory for custom colours. A full range is available for large orders.</p> <p>Legend printing Select from the examples or call factory for custom legends.</p> <p>Lamp voltage Call factory for details.</p>
R Red	2 125V Neon	602A	B Black	
W White	3 250V Neon		W White	
	5 12Vdc LED (P Rocker)			
	6 24Vdc LED (P Rocker)			
	7 12V Filament			
	8 24Vdc Filament			

Examples

  
C1500A/C1500AL

  
C1500A/C0430AL

  
C1500X/C1500XL

  
C1520A/C1510AL

  
C1500A/C1520AL

  
C0430A/C0430AL

# 1550 Standard and 1350 High Inrush

150A to EN61058-1 and 16A 250Vac



## Key Features

- Standard rocker switch
- 1350/53 high inrush
- Choice of switching circuits including 3 position
- Push-on, solder and PCB terminals
- Choice of bezel styles
- Choice of panel cut outs
- Matching indicator
- Double Contact
- Splash resistant option
- Panel cut out 'A' style: 27.2 x 22.3mm

## Approvals and specifications

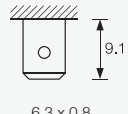

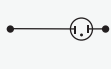

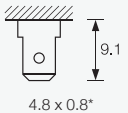


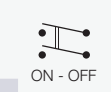

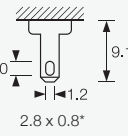


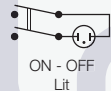

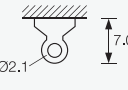



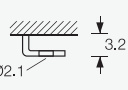


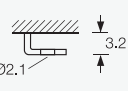

1550 Series 16(4)A 250Vac T125 (Pending)

UL 16A 250Vac, (2 posn) 250Vac 1hp, 125Vac 1/2hp, 1350 72 Vdc 7A  
(3 posn) 250 Vac 1/2hp, 125Vac 1/4hp.  
UL 85°C

### In house test:

10A 24Vdc—Indicative rating only. NB Types fitted with Neon will not illuminate for low DC voltage applications.

1350 series 16(4)A 250Vac T125 1E4 (10,000 Ops.)  
1330 series 16(6)A 250Vac T125 1E4 (10,000 Ops.)  
150A Inrush to EN61058-1.

Terminal		Function		Rocker	Body
<b>C</b>		<b>Standard 1550</b>		<b>A</b> Softline Matt	Panel cut-out Bezel Cut-outs must be punched in the direction of insertion
	6.3 x 0.8		<b>0480</b> X terminal N/A		<b>A</b>  27.2 27.3 22.3/22.4 Gloss or Matt
<b>H</b>		<b>1551</b> HP rating N/A		<b>B</b> Splash resistant Softline	<b>B</b>  30.0 30.1 22.1/22.2 Matt only
	4.8 x 0.8*		<b>High Inrush 1350</b> Not W, X or B rocker		<b>H</b>  30.0 30.1 22.1/22.2 Matt only
<b>K</b>		<b>1552</b> HP rating N/A		<b>V</b> Curved Matt or Gloss Gloss only Lit (not momentary)	<b>B</b>  30.0 30.1 22.1/22.2 Matt only
	2.8 x 0.8*		<b>1353</b> Not W, X or B rocker		<b>H</b>  30.0 30.1 22.1/22.2 Matt only
<b>T</b>		<b>1553</b> Not W, X or B rocker		<b>W</b> Splash resistant Curved	<b>Q</b>  28.2 28.3 22.3/22.4 Gloss or matt
	Ø2.1			<b>P</b> Lit window Matt Lit (not momentary)	<b>R</b>  28.4 28.5 25.3/25.4 Matt only
<b>U</b>		<b>1560 µ</b>		<b>X</b> Two colour Matt (ON OFF only - not momentary)	<b>T</b>  28.2 28.3 22.3/22.4 Matt only
	Right angle "T" solder terminal		<b>1561 µ</b> HP rating N/A	<b>R</b> Round	
<b>X</b>		<b>1562 µ</b> In house tests only		<b>F</b> Flat Lens Gloss (0480)	
	PCB 0.8Sq*		<b>1570 µ</b> 125V & 250V 1/2 HP H terminal rated T100 only H terminal rated T100 only	<b>A</b> Softline lens Matt (0480 only) as F but with raised profile	
			<b>1571 µ</b> HP rating N/A H terminal rated T100 only		
			<b>1572 µ</b> HP rating N/A H terminal rated T100 only		

### Approvals and specifications (continued)

**UL 20A 250Vac 1hp, 125Vac 1/2hp.**  
**UL 72Vdc 7A, 36Vdc 14A.**  
**UL 85°C.**

**In house test:**

20A 24Vdc—Indicative rating only

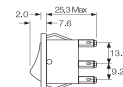
3mm contact gap except if marked  $\mu$ .

## Splash Resistance



**1300 High inrush, positive break switching**  
The 1300 series mechanism ensures contact welds formed at switch-on are positively separated by the plunger tube acting directly on the step in the moving contact.

## Dimensions



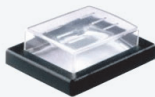
## Panel thickness

A,Q 0.75 to 3.3mm  
L,B,T 0.75 to 2.5mm  
B 0.75 to 3.0mm

\* For cut-out details on momentary switches call sales

Finish	Body Colour	Rocker Colour	Insert Colour	Lamp Voltage	Legend	Legend Colour	Options
<b>M</b> Matt	<b>B</b> Black	Un-Lit <b>B</b> Black	<b>—</b> Blank	<b>—</b> Blank	<b>—</b> Blank	<b>—</b> Blank	<b>Finish</b> Matt is standard.
<b>G</b> Gloss	<b>W</b> White	<b>R</b> Red	<b>R</b> Red	<b>2</b> 125V Neon	<b>602A</b>	<b>B</b> Black	<b>Colour</b> Call sales for custom colours. A full range is available for large orders.
Applies to both Rocker & Body		<b>W</b> White	<b>W</b> White	<b>3</b> 250V Neon			<b>Legend printing</b> Select from the examples or call sales for custom legends.
		Lit <b>A</b> Amber		<b>5</b> 12Vdc LED (P Rocker)		<b>W</b> White	<b>Lamp voltage</b> Call sales for details.
		<b>G</b> Green		<b>6</b> 24Vdc LED (P Rocker)			<b>Blanking plates A0494</b> Dummy units to fill unused panel holes.
		<b>C</b> Clear		<b>7</b> 12V Filament			<b>Protective cover</b> Snaps on to A, L, Q or T bodies (add G after body in cat no). This reduces panel thickness by 1mm.
		<b>R</b> Red		<b>8</b> 24Vdc Filament			

### Examples



## Examples



C1350AL - - -




C1550XL - - -



C1553PL - - -



 C1553RA ---  
Shown with M614  
bezel cover




Optional snap-in  
M441 barrier



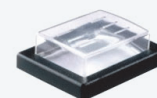
C1553AA with M616  
guard Cut-out  
22.0/22.1 x 29.4/29.5  
Guard accepts "A"  
body only



 C0480RA ---  
Shown with  
M614 bezel  
cover



C0480AL - - -



Panel sealing washer W42 is available for the above body sizes. This reduces panel thickness by a further 1.00mm.

Covers are not suitable for momentary types.

For all options call sales.

# 1550 Standard & 1350 High Inrush Switches

150A to EN61058-1 and 16A 250Vac250Vac



## Key Features

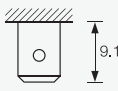



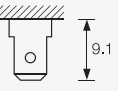

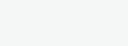

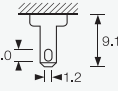


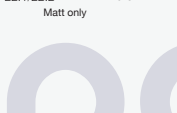
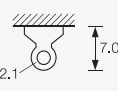

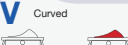
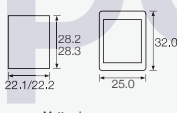
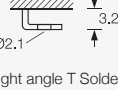



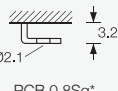

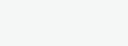
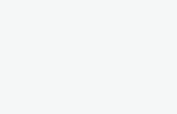
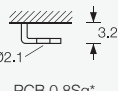

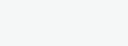
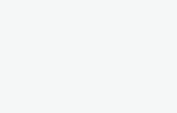
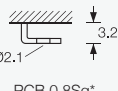


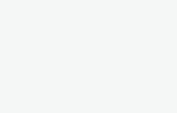
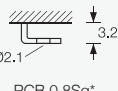

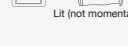
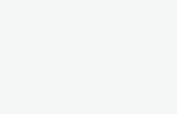
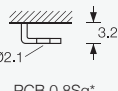

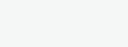
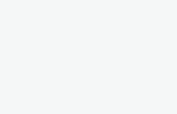
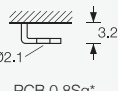

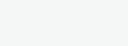
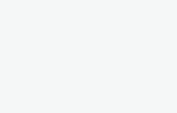
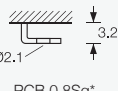

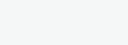
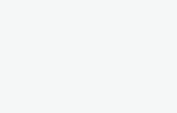
- Standard rocker switch
- 1350/53 high inrush
- Choice of switching circuits including 3 position
- Push-on, solder and PCB terminals
- Choice of bezel styles
- Choice of panel cut outs
- Matching indicator
- Double Contact
- Option with guard & cover
- DC LED Illumination Available for "P" Rocker
- Bezel size 'G' style 32.0 x 25.0

## Approvals and specifications

1550 Series 16(4)A 250Vac T125 (Pending)


UL 16A 250Vac, (2 posn) 250Vac 1hp, 125Vac 1/2hp, (3 posn) 250 Vac 1/2hp, 125Vac 1/4hp. UL 85°C.

1350 series 16(4)A 250Vac T125 1E4 (10,000 Ops.)  
1330 series 16(6)A 250Vac T125 1E4 (10,000 Ops.)  
150A Inrush to EN61058-1.


Terminal	Function	Rocker	Body	Finish	Body Colour	Rocker Colour
<b>C</b>  6.3 x 0.8	<b>Standard 1550</b>  ON - OFF	<b>A</b> Softline Matt 	Panel cut-out Bezel Cut-outs must be punched in the direction of insertion  H 30.0 30.1 22.1/22.2 25.0 32.0 Matt only	<b>M</b> Matt	<b>B</b> Black	Un-Lit <b>B</b> Black
<b>H</b>  4.8 x 0.8*	<b>1551</b> HP rating N/A  ON - OFF (momentary ON)		 H 30.0 30.1 22.1/22.2 25.0 32.0 Matt only	<b>G</b> Gloss	<b>W</b> White	<b>R</b> Red
<b>K</b>  2.8 x 0.8*	<b>1552</b> HP rating N/A  ON - OFF (momentary OFF)		 H 30.0 30.1 22.1/22.2 25.0 32.0 Matt only	<b>G</b> Gloss	<b>W</b> White	<b>W</b> White
<b>T</b>  Solder	<b>1553</b> Not W, X or B rocker  ON - OFF Lit	<b>V</b> Curved Matt or Gloss Gloss only Lit (not momentary) 	 G 28.2 28.3 22.1/22.2 25.0 32.0 Matt only	<b>G</b> Gloss	<b>W</b> White	Lit <b>A</b> Amber
<b>U</b>  Right angle T Solder (Not DP)	<b>1560 μ</b>  ON - ON		 G 28.2 28.3 22.1/22.2 25.0 32.0 Matt only	<b>G</b> Gloss	<b>W</b> White	<b>G</b> Green
<b>X</b>  PCB 0.8Sq* *Contact sales for details on 1350 series	<b>1561 μ</b> HP rating N/A  ON - ON (Momentary 1 Side)		 G 28.2 28.3 22.1/22.2 25.0 32.0 Matt only	<b>G</b> Gloss	<b>W</b> White	<b>C</b> Clear
<b>X</b>  PCB 0.8Sq* *Contact sales for details on 1350 series	<b>1562 μ</b> In house tests only  ON - ON 2 Circuit		 G 28.2 28.3 22.1/22.2 25.0 32.0 Matt only	<b>G</b> Gloss	<b>W</b> White	<b>R</b> Red
<b>X</b>  PCB 0.8Sq* *Contact sales for details on 1350 series	<b>1570 μ</b> 125V & 250V 1/2 HP H terminal rated T100 only H terminal rated T100 only  ON - OFF - ON	<b>P</b> Lit window Matt Lit (not momentary) 	 G 28.2 28.3 22.1/22.2 25.0 32.0 Matt only	<b>G</b> Gloss	<b>W</b> White	<b>R</b> Red
<b>X</b>  PCB 0.8Sq* *Contact sales for details on 1350 series	<b>1571 μ</b> HP rating N/A H terminal rated T100 only  ON - OFF - ON (momentary 1 side)		 G 28.2 28.3 22.1/22.2 25.0 32.0 Matt only	<b>G</b> Gloss	<b>W</b> White	<b>R</b> Red
<b>X</b>  PCB 0.8Sq* *Contact sales for details on 1350 series	<b>1572 μ</b> HP rating N/A H terminal rated T100 only  ON - OFF - ON (momentary 2 sides)		 G 28.2 28.3 22.1/22.2 25.0 32.0 Matt only	<b>G</b> Gloss	<b>W</b> White	<b>R</b> Red
<b>X</b>  PCB 0.8Sq* *Contact sales for details on 1350 series	<b>High Inrush 1350</b> Not W, X or B rocker  ON - OFF		 G 28.2 28.3 22.1/22.2 25.0 32.0 Matt only	<b>G</b> Gloss	<b>W</b> White	<b>R</b> Red
<b>X</b>  PCB 0.8Sq* *Contact sales for details on 1350 series	<b>1353</b> Not W, X or B rocker  ON - OFF Lit		 G 28.2 28.3 22.1/22.2 25.0 32.0 Matt only	<b>G</b> Gloss	<b>W</b> White	<b>R</b> Red

## Approvals and specifications cont..

**In house test:**  
10A 24Vdc—Indicative rating only

 **UL 20A 250Vac 1hp, 125Vac 1/2hp.**  
**UL 72Vdc 7A, 36Vdc 14A, UL 85°C.**

**In house test:**  
20A 24Vdc—Indicative rating only

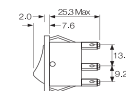
3mm contact gap except if marked  $\mu$

## Splash Resistance



**1350 High inrush, positive break switching**  
The 1350 series mechanism ensures contact welds formed at switch-on are positively separated by the plunger tube acting directly on the step in the moving contact.

## Dimensions



**Panel thickness**  
G, H 0.75 to 2.5mm


Terminal spacing - Contacts 10.2 between centres

\* For cut-out details on momentary switches call sales

Insert Colour	Lamp Voltage	Legend	Legend Colour	Options
Blank	Blank	Blank	Blank	<b>Finish</b> Matt is standard.
<b>R</b> Red	<b>2</b> 125V Neon	<b>602A</b>	<b>B</b> Black	<b>Colour</b> Call sales for custom colours. A full range is available for large orders.
<b>W</b> White	<b>3</b> 250V Neon		<b>W</b> White	<b>Legend printing</b> Select from the examples or call sales for custom legends.
	<b>5</b> 12Vdc LED (P Rocker)			<b>Lamp voltage</b> Call sales for details.
	<b>6</b> 24Vdc LED (P Rocker)			
	<b>7</b> 12V Filament			
	<b>8</b> 24Vdc Filament			

## Examples



 C1553AH - - -



 C1550AH - - -

# R13 Round Rocker Switches

10A 250Vac



## Key Features

- Miniature round rocker switch
- Ratings up to 10A, 250Vac
- Single & double Contact
- Illuminated & nonilluminated, neon andLED
- Choice of actuators
- Matching indicator
- Panel cut out: 20.2 dia.

## Approvals and specifications

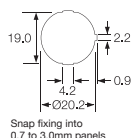
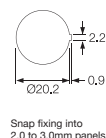
### RoHS compliant

Single Contact has  $\mu$  contact gap.

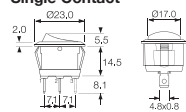
### Special products

Are made to order and can be supplied with a range of body and rocker / lens colours, print & lamp voltage.

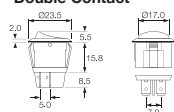
## Dimensions



### Single Contact



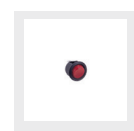
### Double Contact



### Protective cover L188



## Examples



R13 112B NAA



R13 112A AAA



R13 112A2 ---

R13 / 112 / A / B / B / 3 / 2 / 602A / W / L188

Series

Type

Function

Body Colour

Rocker Colour

Insert Colour

Lamp Voltage

Legend

Legend Colour

Legend Colour

## Product details



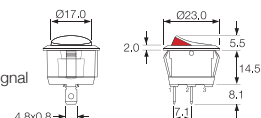
1 2  
SP ON - OFF  $\mu$   
**Cat no.**  
**R13 112A AAA**



1 2 3  
SP ON - OFF  $\mu$   
Lit 230V  
**Cat no.**  
**R13 112B NAC**



1 2  
SP ON - OFF  $\mu$   
Bright colour ON signal  
**Cat no.**  
**R13 112A2 --**



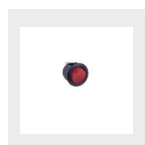
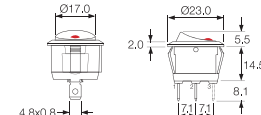
1 2  
SP ON - OFF  $\mu$   
**Cat no.**  
**R13 112A AAB**



1 2 3  
SP ON - ON  $\mu$   
**Cat no.**  
**R13 112C AAA**



1 2 3  
SP ON - OFF  $\mu$   
Lit Window  
**Cat no.**  
**R13 112B2 --**



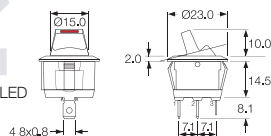
1 2 3  
SP ON - OFF  $\mu$   
Lit 230V  
**Cat no.**  
**R13 112B NAA**



1 2 3  
SP ON - OFF - ON  $\mu$   
**Cat no.**  
**R13 112D AAA**



12 3- 3+  
SP ON - OFF  $\mu$   
Paddle tip has red LED  
**Cat no.**  
**R13 112LP --**



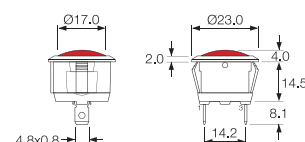
1 2 3  
SP ON - OFF  $\mu$   
Lit 230V  
**Cat no.**  
**R13 112B NAB**



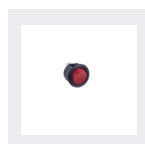
SP ON - OFF  $\mu$   
(Momentary ON)  
**Cat no.**  
**R13 208F AAA\***



1 3  
Indicator light  
**Cat no.**  
**R9 92B ---**



DP ON - OFF  
**Cat no.**  
**R13 244A AAA**



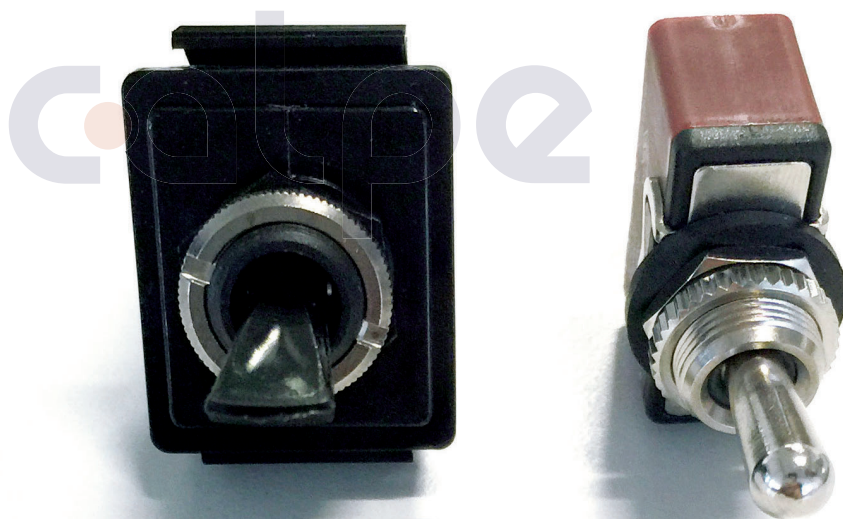
DP ON - OFF  
Lit 230V  
**Cat no.**  
**R13 244B NAA**

## Toggle Switches



Well known for their quality and reliability, **Bulgin's toggle switches** are **cost effective** solutions to many existing applications. These switches offer features at an attractive price point often well below that of the existing competition.

- Nylon and Metal switch variants
- Multiple Lever Options
- Ratings up to 20A, 250V ac - 277V ac
- IP67 panel seal versions, supplied complete with gaskets (3900 Series – All Variants)
- Single and double Contact
- Choice of circuit options including 3 position and momentary
- Mounting hole: 12.2mm diameter.
- Sealing accessories available
- Quick Connect, Solder, Screw and PCB Termination Options



# 3900 Metal Toggle Switches

16A 250Vac - IP67 Sealed Versions



## Key Features

- Metal toggle switches
- Ratings up to 20A, 277V ac
- Single and double Contact
- Choice of circuits including 3 position and momentary
- Sealed version supplied complete with gaskets
- Panel seal version to IP67
- 6.3mm terminals
- Guard option



Terminal	Function		Actuator	Body	Options
<b>C</b>  6.3 x 0.8 10.5	 Single Contact	 Double Contact	<b>A</b>  10.0 Metal Metal toggle finish is nickel plate	<b>A</b> Single Contact Thread: 15/32" x 32TPI  17.5 10.5 17.0	Neck Seal M539 Actuator is visible 
	<b>3900</b> ON - OFF 	<b>3950</b> ON - OFF 			
<b>S</b>  10.5 Screw & Clamp	<b>3901</b> ON - OFF (momentary ON) 	<b>3951</b> ON - OFF (momentary ON) 	<b>B</b>  17.5 Metal Metal toggle finish is nickel plate	<b>E</b> Panel sealed, single Contact Thread: 15/32" x 32TPI  17.5 10.5 17.0	Cover M1080 
	<b>3902</b> ON - OFF (momentary OFF) 	<b>3952</b> ON - OFF (momentary OFF) 			
<b>T</b>  10.5 Solder	<b>3910</b> ON - ON 	<b>3960</b> ON - ON 	<b>D</b>  25.4	<b>A</b> Double Contact, without barrier Thread: 15/32" x 32TPI  17.5 10.0 30.6	Covers have internal nylon nuts <b>M1080-2</b> 
	<b>3911</b> ON - ON (momentary 1 side) 	<b>3961</b> ON - ON (momentary 1 side) 			
	<b>3920</b> ON - OFF - ON μ 	<b>3970</b> ON - OFF - ON μ 	<b>E</b>  38.1 Metal toggle finish is nickel plate	<b>B</b> Double Contact, with barrier Thread: 15/32" x 32TPI  17.5 10.0 30.6	Fixing nuts Nickel plated brass are supplied  14.0 2.0 15.0 2.3
	<b>3921</b> ON - OFF - ON μ (momentary 1 side) 	<b>3971</b> ON - OFF - ON μ (momentary 1 side) 			
	<b>3922</b> ON - OFF - ON μ (momentary 2 sides) 	<b>3972</b> ON - OFF - ON μ (momentary 2 sides) 	<b>F</b>  17.5 Metal toggle finish is nickel plate	<b>F</b> Panel sealed, double Contact, with terminal barrier Thread: 15/32" x 32TPI  17.5 10.0 31.1 Switches with F toggles have double Contact bodies, regardless of circuit	Knurled Front nut Panel thickness 4.0 with backnut <b>Plate P236</b> Plate SP or DP 
			<b>F</b>  17.5 Metal toggle finish is nickel plate	<b>G</b> Panel sealed, double Contact, without terminal barrier Thread: 15/32" x 32TPI  17.5 10.0 31.1	

## Approvals and specifications

ENEC approval currently pending  
16A, 277Vac  
1 HP, 250Vac

7A, 72Vdc  
14A, 36Vdc

3910, 3901, 3952, 3960, 3961, 3970, 3971, 3972  
16A, 277Vac  
1 HP, 250Vac  
1/2 HP, 125Vac  
7A, 72Vdc  
14A, 36Vdc

3900, 3950  
20A, 277Vac  
1 HP, 250Vac  
1/2 HP, 125Vac  
7A, 72Vdc  
14A, 36Vdc

ENEC Ratings  
3900, 3901, 3902, 3950, 3952, 3960, 3961  
16(4)A 250Vac

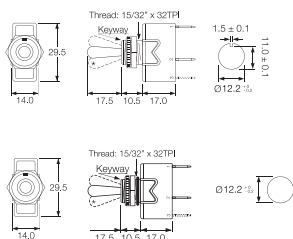
3910, 3911, 3920, 3921, 3922, 3951, 3970, 3972  
10 4)A 250Vac

Approvals and ratings vary with function.  
3mm contact gap except where marked  $\mu$ .

## Dimensions (mm) \* Indicates ON position (for ON - OFF switches)

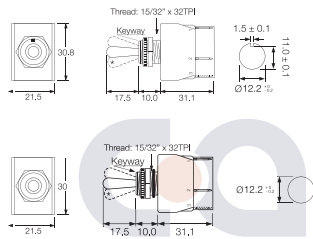
### Single Contact

(C terminals shown)



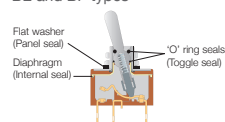
### Double Contact

(C terminals shown with barrier)



### Toggle Switch - sealed version

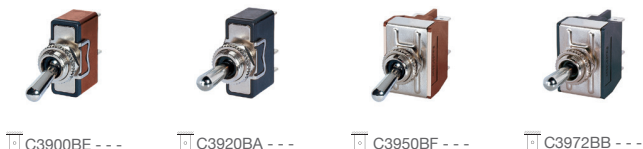
BE and BF types



### Guard TG1-RED



## Examples



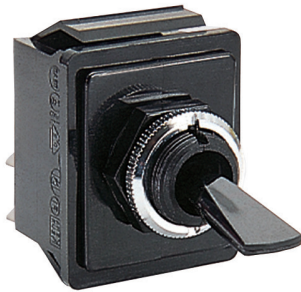
C3900BE - - -

C3920BA - - -

C3950BF - - -

C3972BB - - -

# 1700 & 1750 Series

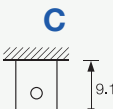





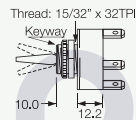

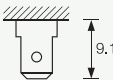



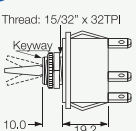


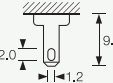



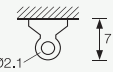



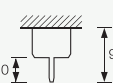







## Key Features

- Nylon toggle switches
- Ratings up to 20A, 250V ac
- Single and double Contact
- Wide choice of terminals
- Choice of circuit options including 3 position
- Flat & round actuator options

## Approvals and specifications

- 16(4)A 250Vac T85 (ENEC approval pending)
- UL 20A 250Vac Non Ind (Single Contact)
- UL 16A 250Vac Non Ind (Double Contact)
- UL (2 pos types) 250Vac 1hp, 125Vac 1/2hp
- UL (3 pos types) 250Vac 1/2hp, 125Vac 1/4hp
- UL 85°C
- UL N/A on momentary types
- Selective "A, B, C" and "OFF, A, A+B" circuits at 5 amp also available.
- 3mm contact gap except where marked  $\mu$ .

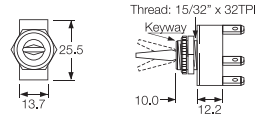
Terminal	Function	Actuator	Body	Options	
<b>C</b> 	 Single Contact <b>1700</b> ON - OFF 	 Double Contact <b>1750</b> ON - OFF 	<b>H</b> 	<b>O</b> Single Contact Thread: 15/32" x 32TPI Keyway 	Neck Seal M539 Material - Nitrile (H & R Actuators) Actuator visible 
<b>H</b> 	<b>1710 <math>\mu</math></b> ON - ON 	<b>1760 <math>\mu</math></b> ON - ON 	<b>R</b> 	<b>O</b> Double Contact Thread: 15/32" x 32TPI Keyway  	Cover M1080 Material - EPDM (R Actuator only) 
<b>K</b> 	<b>1720 <math>\mu</math></b> ON - OFF - ON 	<b>1770 <math>\mu</math></b> ON - OFF - ON 	<b>Panel hole (all types)</b> <b>Panel thickness (Max)</b> Both nuts - 3.5mm Less backnut - 6.5mm	Cover M531 Material - PVC (R Actuator only)  Covers have internal nylon nuts	
<b>T</b> 	<b>1720 <math>\mu</math></b> ON - OFF - ON 	<b>1770 <math>\mu</math></b> ON - OFF - ON 		Fixing nuts (Standard is M506 & T92) T5 Hex brass M506 Hex nylon 	
<b>X</b> 	<b>1721 <math>\mu</math></b> ON - OFF - ON $\mu$ (momentary 1 side) 	<b>1722</b> ON - OFF - ON $\mu$ (momentary 2 sides) 	The switch is on between centre terminals (2 & 5) and the terminals over which the lever is positioned.	T92 Knurled brass - slotted  M279 Knurled nylon 	
				Plate P236 Plate SP or DP 	

## Dimensions

mm) \* Indicates ON position (for ON - OFF switches)

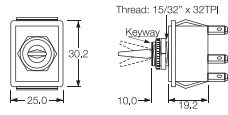
### Single Contact

(C terminals shown)

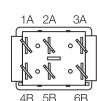


### Double Contact

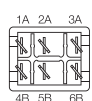
(C terminals shown)



Without barrier



With barrier



## Examples



C1700R - -



C1700H - -



C1760R - -



C1750H - -

calpe

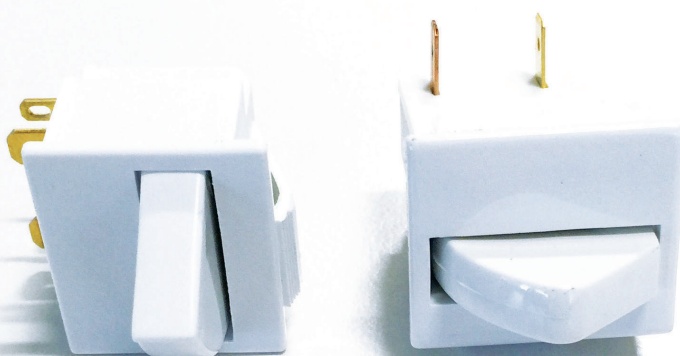
## Refrigerator Switches



Long recognised as a leader in refrigerator door switches, Bulgin's wide range of types and configurations will suit almost any need. With both double contact and single contact options, our switches are not only ideal for traditional refrigerator and freezer applications but can and have been used in a variety of door applications as well.

- Door switches
- Switch rating from 0.2A, 250V ac up to 5A, 250Vac
- Splash resistant variants
- Choice of actuators
- Momentary on and momentary off switching

calpe



# 0055 Door Switches



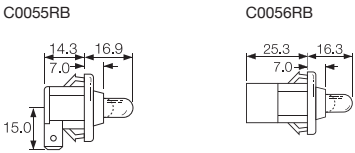
### Key Features

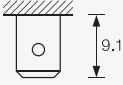


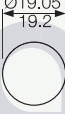
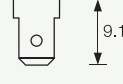


- Ratings up to 0.2A, 250V ac
- High temperature rating up to 125°C
- Long overtravel
- Choice of terminal orientation

### Approvals and specifications

0055 & 0056  
0.2(0.2)A 250Vac 25T125 5E4  
(50,000 operations)  
μ contact gap

### Dimensions and Properties



Terminal	Function	Actuator	Body	Options
<b>C</b>  6.3x0.8	<b>0055</b>  ON - OFF (momentary OFF) 90° terminals	<b>R</b> 	<b>B</b> Panel cut - out  Ø19.05 19.2 Panel thickness 0055 1.0 - 1.6 0056 1.0 - 2.6	<b>Finish</b> Gloss finish only  <b>Colour</b> White or black Call sales for custom colours.
<b>H</b>  4.8x0.8	<b>0056</b>  ON - OFF (momentary OFF) straight terminals		<b>Flange</b>  Ø24.1 6.6	

# 3005 Refrigerator Door Switches

Splash Resistant



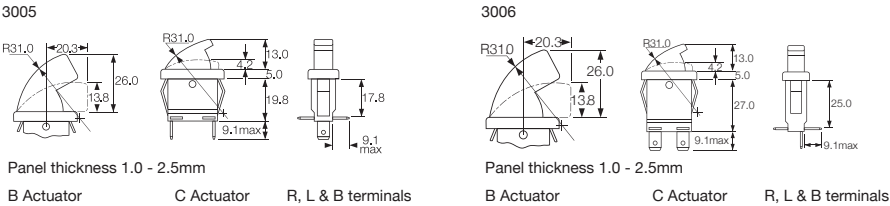
### Key Features

- Door switches
- Momentary on and momentary off switching
- Splash resistant
- Choice of terminal orientation
- Choice of actuators

### Approvals and specifications

- 3005 25W 25T85 5E4 (50,000 Operations) 250Vac
- 3006 65W 25T85 5E4 (50,000 Operations) 250Vac (ENEC approval pending)
- UL 0.3A 250Vac (Black Versions Only)
- UL 0.2A 125Vac (Black Versions Only)
- μ contact gap

### Dimensions and Properties



Terminal	Function	Actuator	Body	Options
<b>C</b>	<b>3005</b> ON - OFF (momentary OFF) 1mm max travel to OFF position	<b>B</b>	<b>R L B</b> Terminal direction (viewed from hinge end)	<b>Finish</b> Gloss finish only  <b>Colour</b> White or black Call sales for custom colours. A full range is available for large orders.
<b>H</b>	<b>3006</b> ON - OFF (momentary ON) 3mm min travel to ON position	<b>C</b>	<b>Panel cut - out Bezel Bezel Profile</b>	

# 3100 Refrigerator Door Switches

Splash resistant



### Key Features

- Door switches
- Ratings up to 5A, 250V ac
- Splash resistant
- Changeover, momentary ON and momentary OFF
- Choice of actuators

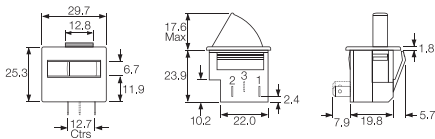
### Approvals and specifications

- 5A 250Vac 25T85 5E4 (50,000 Operations)
- UL 5A 250Vac
- UL 85°C, file E45221
- µ contact gap.
- Sealed terminals option available.

### Dimensions and Properties

3101 uses terminals 1,2  
3102 uses terminals 1,2  
3111 uses terminals 1,2,3

For details of actuator travel and switching angles call sales.



Terminal	Function	Actuator	Body	Colour	Options
<b>E</b> 	 <b>3101</b> ON - OFF (momentary CLOSED)	<b>A</b> 	<b>A</b> 	<b>W</b> White	Finish Gloss finish only
	<b>3102</b> ON - OFF (momentary OFF)	<b>B</b> 		<b>B</b> Black	Colour White or black Call sales for custom colours. A full range is available for large orders.
	<b>3111</b> ON - ON (momentary 1 side)	<b>C</b> 		<b>PW</b> Polar White	
		<b>D</b> 			

# 3100 ATEX Refrigerator Door Switches



### Key Features

- ATEX Rated up to 2.5A, 250Vac
- Splash resistant
- Changeover, momentary ON and momentary OFF
- Choice of actuators & colours

### Approvals and specifications

- ATEX Approved for hazardous locations  
2.5A 250Vac  
Complies with:  
EN IEC 60079-0 & 60079-15  
Ex II 3 G & Ex nC IIA Gc  
Type Examination Certificate no. UL 22 ATEX 2897U
- 5A 250Vac (Standard location only)  
25T85 5E4 (50,000 Operations)
- UL 5A 250Vac (Standard location only)  
UL 85°C

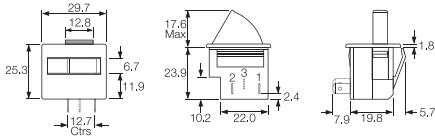
### Dimensions and Properties

3101 uses terminals 1,2  
3102 uses terminals 1,2  
3111 uses terminals 1,2,3

μ contact gap.

For details of actuator travel and switching angles call sales.

Finish: Gloss finish only



Terminal	Function	Actuator	Body	Colour	Options	Approval
<b>E</b>  4.8x0.5 QC	 <b>3101</b> ON - OFF (momentary CLOSED)	<b>A</b>  <b>B</b>  <b>C</b>  <b>D</b> 	<b>A</b>  Optional cut-out for orientation	<b>W</b> White  <b>B</b> Black  <b>P</b> Polar White  Call sales for custom colours. A full range is available for large orders.	<b>A</b> Standard   Call sales for plated contacts and sealed terminal options.	<b>EX</b> ATEX Approved

Part Code System

E	31XX	X	A	X	X	X
Terminal	Function	Actuator Type	Body	Colour	Options	Approval
E	3101 3102 3111	A B C D	A	W B P	A	EX

# 3140 Refrigerator Door Switches

Splash resistant



H3145AA - - -

## Key Features

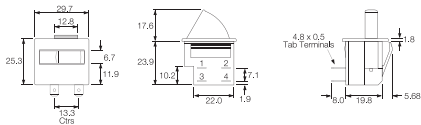
- Door switches
- Ratings up to 5A, 250V ac
- Splash resistant
- Momentary action
- Choice of actuators
- 2 circuit switch

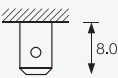
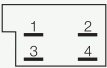

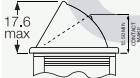
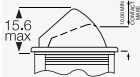


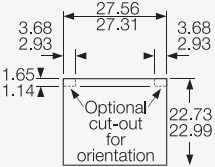
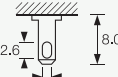


## Approvals and specifications

- 5A 250Vac 25T85 5E4 (50,000 Operations)
- UL 5A 250Vac UL 85°C
- 3141,  $\mu$  contact gap.
- 3145 and 3146, 3mm contact gap.
- Sealed terminals option available.

## Dimensions and Properties

- 3141 uses terminals 1,2,3,4
- 3145 uses terminals 3,4
- 3146 uses terminals 1,2



Terminal	Function	Actuator	Body	Colour	Options
<b>H</b>  4.8x0.8	 <b>3141</b>  ON - ON (momentary)	<b>A</b>  <b>B</b>  <b>C</b>  <b>D</b> 	<b>A</b> 	<b>W</b> White <b>B</b> Black <b>PW</b> Polar White	<b>Finish</b> Gloss finish only <b>Colour</b> White or black Call sales for custom colours. A full range is available for large orders.
<b>K</b>  2.8x0.8	<b>3145</b>  ON - OFF (momentary OFF)				
Standard format is H terminals in positions 1 & 2 and K terminals in positions 3 & 4 For sealed terminals call sales	<b>3146</b>  ON - OFF (momentary ON)				

# 3140 ATEX Refrigerator Door Switches



## Key Features

- ATEX Rated up to 2.5A, 250Vac
- Splash resistant
- Momentary action
- Choice of actuators & colours
- 2 circuit switch

## Approvals and specifications

**ATEX Approved** for hazardous locations  
2.5A 250Vac  
Complies with:  
EN IEC 60079-0 & 60079-15  
Ex II 3 G & Ex nC IIA Gc  
Type Examination Certificate no. UL 22 ATEX 2897U

**5A 250Vac** (Standard location only)  
25T85 5E4 (50,000 Operations)

**UL 5A 250Vac** (Standard location only)  
UL 85°C

## Dimensions and Properties

3141 uses terminals 1,2,3,4

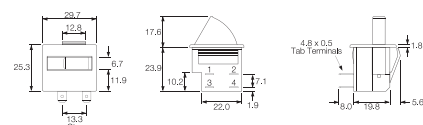
3145 uses terminals 3,4

3146 uses terminals 1,2

3141,  $\mu$  contact gap.

3145 and 3146, 3mm contact gap.

Finish: Gloss finish only



Terminal	Function	Actuator	Body	Colour	Options	Approval
<b>H</b>  4.8x0.8	 <b>3141</b>  ON - ON (momentary)	<b>A</b>  17.6 max 3.68 2.93 1.65 1.14 27.56 27.31 3.68 2.93 22.73 22.99 Optional cut-out for orientation	<b>A</b>  27.56 27.31 3.68 2.93 22.73 22.99 Optional cut-out for orientation	<b>W</b> White  <b>B</b> Black  <b>P</b> Polar White	<b>A</b> Standard	<b>EX</b> ATEX Approved
<b>K</b> 3141 Only  2.6 1.5 2.8x0.8	<b>3145</b>  ON - OFF (momentary OFF)	<b>C</b>  23.0 max	<b>D</b>  17.1 max	Call sales for custom colours. A full range is available for large orders.	Call sales for plated contacts and sealed terminal options.	

## Part Code System

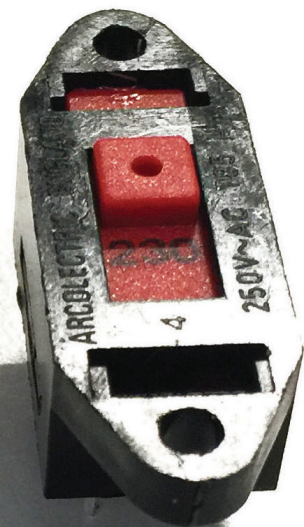
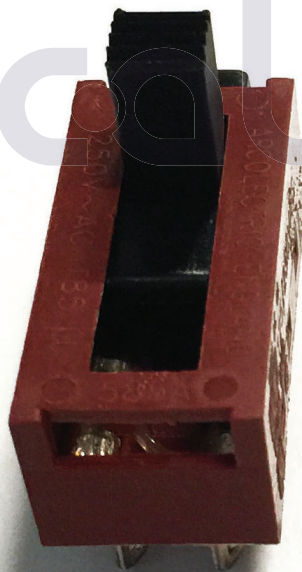
X	314X	X	A	X	X	X
Terminal	Function	Actuator Type	Body	Colour	Options	Approval
HK (3141 only) H	3141 3145 3146	A B C D	A	W B P	A	EX

## Slide Switches



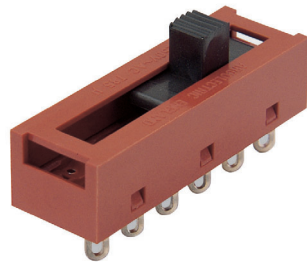
With up to 5 switching positions as well as multiple terminal, circuit and slider options, Bulgin's board mounted power slide switches can be configured to suit your needs. We also offer a wide range of voltage selector types that can be either snapped into a panel or flange mounted.

- Ratings up to 16A, 250V ac
- PCB and solder terminals
- Voltage Selector Models
- Snap in and flange mounting
- 2, 3, 4 and 5 position
- Choice of circuits
- Choice of actuators



# 2000 Slide Switches - up to 5 position

10A 250Vac



## Key Features

- Slide switches
- Ratings up to 16A, 250V ac
- PCB and solder terminals
- 2, 3, 4 and 5 position
- Choice of circuits
- Choice of actuators

## Approvals and specifications

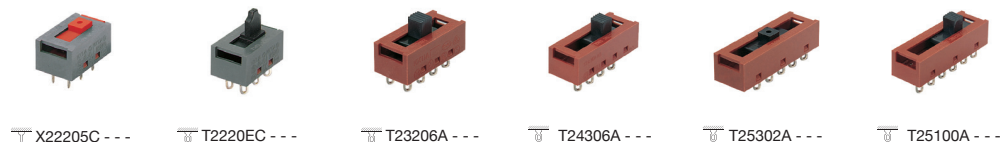
10A 250Vac T85  
6(3)A 250Vac T85 (ENEC approval pending)

UL 16A 250Vac Non Inductive  
UL 4A 300Vac  
UL 65°C

μ contact gap  
Please specify: Standard action (SP116) or Light action (SP118).  
2000 series lubrication is inorganic and does not degrade plastics.

Terminal	Series	Position	Circuit	Slider
<b>K</b>  2.8 x 0.8	2	2 Switching positions	10 20 30 40	<b>0</b> <b>6</b> <b>D</b> <b>L</b>
<b>R</b>  2.8 x 0.8		3 Switching positions	10 20 30 40	<b>1</b> <b>7</b> <b>E</b> <b>N</b>
<b>T</b>  Solder		4 Switching positions	10 20 30 40	<b>2</b> <b>9</b> <b>G</b> <b>P</b>
<b>X</b>  PCB 0.8 Sq.		5 Switching positions	10 20 30 40	<b>3</b> <b>A</b> <b>H</b> <b>R</b>
<b>Y</b>  PCB 0.8 Sq. For mounting stability switches have extra "support" terminals * Nominal - Dimension varies with body type. For exact figure call sales			10 20 30 40	<b>4</b> <b>B</b> <b>J</b> <b>S</b> <b>5</b> <b>C</b> <b>K</b> <b>T</b>

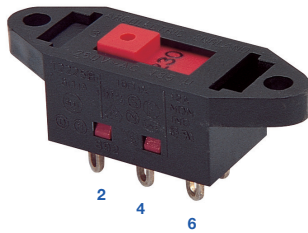
## Examples



Body	Options	Dimensions
<p><b>C</b> 2 positions</p>	<p><b>Colour</b> Call sales for custom colours. A full range is available for large orders.</p> <p><b>Legend printing</b> A wide range is available. For all options call sales</p>	<p><b>H</b> 2 positions</p>
<p><b>A</b> 3 positions</p>		<p><b>C</b> 2 positions</p>
<p><b>H</b> 3 positions</p>		<p><b>H</b> 2 positions</p>
<p><b>A</b> 4 positions</p>		<p><b>Cut-out /PCB Matrix</b></p>
<p><b>H</b> 4 positions</p>		<p><b>A</b> 3 positions</p>
<p><b>A</b> 5 positions</p>		<p><b>H</b> 3 positions</p>
		<p><b>C</b> 4 positions</p>
		<p><b>H</b> 4 positions</p>
		<p><b>Cut-out /PCB Matrix</b></p>
		<p><b>A</b> 4 positions</p>
		<p><b>Cut-out /PCB Matrix</b></p>
		<p><b>A</b> 5 positions</p>
		<p><b>Cut-out /PCB Matrix</b></p>

# 2000 Slide Switches - Snap fit and panel mount

10A 250Vac



115/230 is preferred legend

## Key Features

- 2 way 'voltage selector'
- Rated up to 16A, 250V ac
- Snap fit and panel mount
- PCB & solder terminals
- 2 and 3 position
- Choice of circuits
- Choice of actuators

## Approvals and specifications

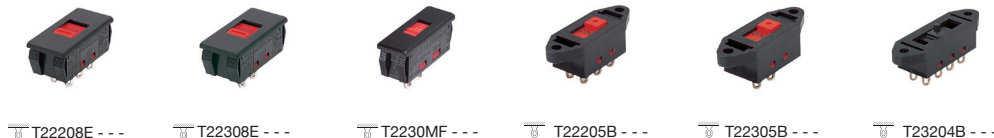
10A 250Vac T85  
6(3)A 250Vac T85 (ENEC approval pending)

UL 16A 250Vac Non Inductive  
UL 4A 300Vac  
UL 65°C

μ contact gap  
Please specify: Standard action (SP116) or Light action (SP118).  
2000 series lubrication is inorganic and does not degrade plastics.

Terminal	Series	Position	Circuit	Slider
<b>K</b>  2.8 x 0.8	2	2 Switching positions	10 20 30 40	<b>0</b> <b>2</b> <b>3</b> <b>4</b> <b>5</b> <b>S</b>
<b>R</b>  2.8 x 0.8				<b>6</b> <b>7</b> <b>8</b> <b>9</b>
<b>T</b>  Solder				<b>C</b> <b>D</b> <b>E</b> <b>H</b> <b>K</b>
<b>X</b>  PCB 0.8 Sq. For mounting stability switches have extra "support" terminals * Nominal - Dimension varies with body type. For exact figure call sales			10 20 30 40	<b>L</b> <b>M</b> <b>N</b> <b>P</b> <b>R</b>

## Examples



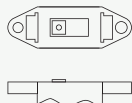
### Body

### Options

### Dimensions

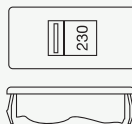
#### B

With mounting holes



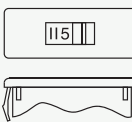
#### E

Snap fit



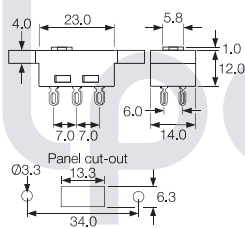
#### F

Snap fit  
(single contact ON OFF only)

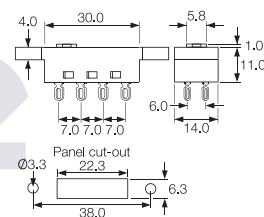


**Colour**  
Call sales for custom colours.  
A full range is available for large orders.  
Standard body colour is black.

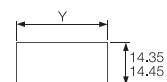
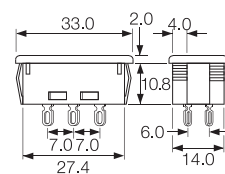
#### 2 Pos B



#### 3 Pos B

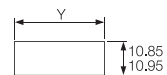
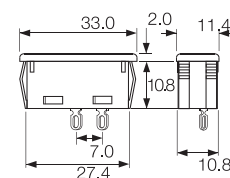


#### 2 Pos E



Panel thickness	Dim. Y
0.8-1.2	29.75/29.85
1.63	30.15/30.25
2.0	30.35/30.45
2.5	30.55/30.65

#### 2 Pos F



Panel thickness	Dim. Y
0.8-1.2	29.75/29.85
1.63	30.15/30.25
2.0	30.35/30.45
2.5	30.55/30.65