

## 8300 Push Button Switches

Bulgin's broad line of pushbutton switches are available in various sizes and configurations. This includes a variety of illumination and terminal options as well as several with high inductive power ratings suitable for motor driven applications. These switches can be found in many markets including home appliances, commercial, medical, audio and security.

- ⬡ Miniature, round and rectangular push button switches available
- ⬡ Ratings up to 16A, 250V ac  
12(12)A 250V ac rating also available
- ⬡ Latching and momentary actions
- ⬡ Choice of actuators  
(custom option also available)
- ⬡ Square and Round Mounting Styles



# 8300 Push Button Switches

8(8)A 250Vac & 12(12)A 250Vac



## Key Features

- Miniature push button
- 8A Inductive current rating
- Ratings up to 12(12)A, 250V ac (H suffix)
- Illuminated and nonilluminated
- Single and double pole
- Latching and momentary
- Slotted actuator for custom buttons
- Industry standard panel cutout
- BioCote antimicrobial option
- Panel cut out: 19.3 x 12.9

## Approvals and specifications

16(4)A 250Vac T85, 1E4 (10,000 Operations)  
12(12)A 250Vac T105, 1E4 (10,000 Operations)  
8(8)A 250Vac T105, 5E4 (50,000 Operations)  
6(6)A 250Vac T125, 5E4 (50,000 Operations)

8350, 8351, 8353, 8354  
12A 250Vac DP, 250Vac 1hp, 125Vac 1/2hp





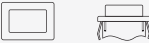
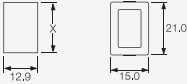




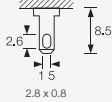
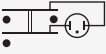

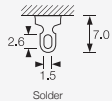
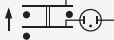

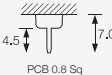







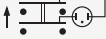



8300, 8301, 8303, 8304  
13A 250Vac SP, 250Vac 1hp, 125Vac 1/2hp

UL 85°C, file E45221, CSA file LR10990

In house test:  
10(10)A 250Vac—Indicative rating only

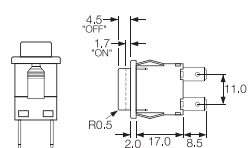
BioCote antimicrobial additive. Independently verified to ISO22196:2007.

3mm contact gap.

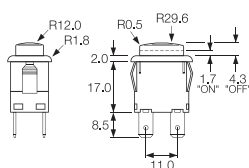
Terminal	Function	Actuator	Body Code	Body Colour								
<b>C</b> 	 Approvals & ratings vary with function Single pole switches use terminals 1 & 2 (& 3)		Panel cut-out **    Bezel									
<b>H</b> 	<b>8300</b> Single Pole ON - OFF 	<b>A</b> Standard actuator 	<b>B</b> Standard body 	<b>B</b> Black								
<b>A</b>  As "H" but right angle 4.8 x 0.8	<b>8301</b> Single Pole ON - OFF (momentary ON) 	<b>H</b> Slotted for custom caps 	<b>E</b> Softline style body with radiused bezel 	<b>W</b> White								
<b>K</b> 	<b>8303</b> Single Pole ON - OFF With Light 	<b>C</b> Square actuator 	Cut-outs must be punched in the direction of insertion									
<b>T</b>  Solder	<b>8304</b> Single Pole ON - OFF (momentary ON) with light 	<b>E</b> Radiused actuator 	<b>Dimensions for snap-in fixing</b> <table><tr><td>Panel thickness</td><td>Dimension X</td></tr><tr><td>0.75-1.24</td><td>19.1/19.2</td></tr><tr><td>1.25-1.99</td><td>19.3/19.4</td></tr><tr><td>2.00-3.00</td><td>19.7/19.8</td></tr></table>	Panel thickness	Dimension X	0.75-1.24	19.1/19.2	1.25-1.99	19.3/19.4	2.00-3.00	19.7/19.8	
Panel thickness	Dimension X											
0.75-1.24	19.1/19.2											
1.25-1.99	19.3/19.4											
2.00-3.00	19.7/19.8											
<b>X</b>  PCB 0.8 Sq	<b>8350</b> Double pole ON - OFF 	<b>F</b> Small round actuator 	X and V PCB terminals. Additional dummy terminals may be supplied for extra support.									
<b>V</b>  Dual pin PCB (Call sales for mounting dims)	<b>8351</b> Double pole ON - OFF (momentary ON) 	<b>J</b> Smooth curved actuator 										
	<b>8353</b> Double pole ON - OFF (momentary ON) with light 	<b>M</b> 										
	<b>8354</b> Double pole ON - OFF (momentary ON) with light 	<b>D</b> Large round actuator 										
	<b>8355</b> Single pole ON - OFF Isolated light - switched C, E & M actuators only 											
	<b>8356</b> Single pole ON - OFF Isolated light - unswitched C, E & M actuators only 	All actuators except H available lit										

## Dimensions

Actuator A  
Body B



Actuator J  
Body E



## Examples



H8350AB ---  
T8350AB ---




H8353JE ---  
T8353JE ---



H8353EB ---  
T8353EB ---

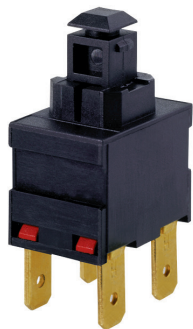


H8353CB ---  
T8353CB ---

Actuator Colour	Lamp Voltage	Legend	Legend Colour	Options	Biocote
LIT					
<b>A</b> Amber	— None			<b>H</b> 12(12)A 250Vac switch rating	<b>B</b> Biocote
<b>C</b> Clear	<b>2</b> 125V Neon			<b>Finish</b> Matt finish standard except on J and D actuators which are gloss	
<b>G</b> Green	<b>3</b> 250V Neon			<b>Colour</b> Call sales for custom colours A full range is available for large orders	
<b>R</b> Red	<b>7</b> 12V Filament			<b>Legend printing</b> Select from the examples or call sales for custom legends.	
UNLIT	<b>8</b> 24V Filament			<b>Special buttons</b> Some of the many options are shown Call sales for the full range	
<b>B</b> Black				<b>L167 Protective cover</b>  Snaps on to switch bodies fitted with "A" or "J" style actuators, this reduces panel thickness by 0.8mm	
<b>R</b> Red				<b>BioCote Antimicrobial Additive</b> Moulded components have antimicrobial properties using BioCote silver ion technology.	
<b>W</b> White					

# 8200 Push Button Switches

8(8)A 250Vac & 12(12)A 250Vac



### Key Features

- Miniature push button
- 8A Inductive current rating
- Ratings up to 12(12)A, 250V ac (H suffix)
- Without button
- Sub panel mount
- Push on, solder or PCB terminals
- Latching and momentary

### Approvals and specifications

- 16(4)A 250Vac T85, 1E4 (10,000 Operations)
- 12(12)A 250Vac T105, 1E4 (10,000 Operations)
- 8(8)A 250Vac T105, 5E4 (50,000 Operations)
- 6(6)A 250Vac T125, 5E4 (50,000 Operations)

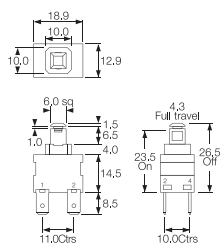
12A 250Vac  
250Vac 1hp, 125Vac 1/2hp  
UL 85°C, file E45221, CSA file LR10990

3mm contact gap.

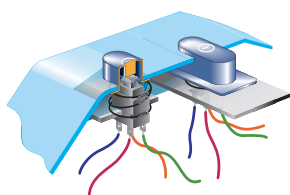
Terminal	Function	Actuator	Body Code
<p><b>C</b></p>	<p>Approvals &amp; ratings vary with function Single pole switches use terminals 1 &amp; 2 (&amp; 3)</p> <p><b>8200</b> Single Pole ON - OFF</p>	<p><b>A</b></p> <p>Standard actuator for snap-on custom adaptors</p>	<p><b>A</b></p> <p>Standard body</p>
<p><b>H</b></p>	<p><b>8201</b> Single Pole ON - OFF (momentary ON)</p>	<p><b>B</b></p> <p>Flat top actuator</p>	<p>See dimensioned drawings for details</p>
<p><b>K</b></p>		<p><b>C</b></p> <p>Curved top actuator</p>	<p><b>C</b></p> <p>As standard body but with side support peg for use with M PCB terminals</p>
<p><b>T</b></p>	<p><b>8250</b> Double Pole ON - OFF</p>	<p>Examples of possible actuation methods Using a Snap on adaptor</p>	<p>X and V PCB terminals. Additional dummy terminals may be supplied for extra support.</p>
<p><b>V</b></p>		<p>Using a Hinged Actuator</p>	
<p><b>X</b></p>	<p><b>8251</b> Double Pole ON - OFF (momentary ON)</p>		

## Dimensions

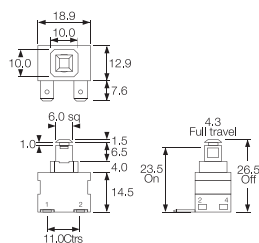
'A' body with 'H' 4.8 terminals



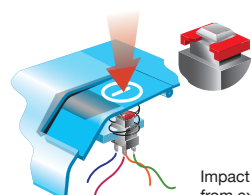
Example of possible mounting styles



'A' body with 'A' right angle 4.8 terminals

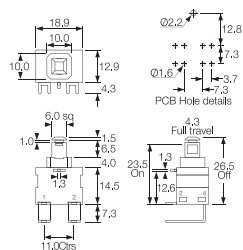


Alternative Actuator



Impact washer resists damage from excessive operator force

'C' body with 'M' right angle PCB terminals



## Examples



C8250AA ---  
with impact  
washer M1226



X8201AA ---



K8200AA ---



A8200AA ---



M8200AC ---



Example of M8200AC

# 7000 Push Button Switches

16A 250Vac



## Key Features


- Round and rectangular push button switches
- Ratings up to 16A, 250V ac
- Latching and momentary
- Illuminated & non-illuminated
- Matching indicators
- Low profile version
- Panel cut outs: 25.0 dia 27.2 x 22.3

## Approvals and specifications

16(4)A 250Vac T125  
8(8)A 250Vac T85

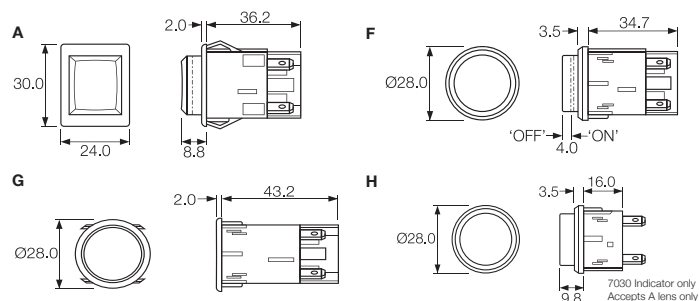
UL CSA 16A Non Ind, 250Vac 1hp, 125Vac 1/2hp  
UL 65°C, file no. E45221, CSA file no. LR10990

3mm contact gap.

Terminal	Function	Actuator	Body Code
<p><b>C</b></p> 	<p>Approvals &amp; ratings vary with function Single pole switches use terminals 1 &amp; 2 (&amp; 3)</p> <p><b>7000</b> Single Pole ON - OFF</p> <p><b>7001</b> Single Pole (momentary) ON - OFF</p> <p><b>7003</b> Single Pole (with light) ON - OFF</p> <p><b>7004</b> Single Pole (momentary) with light ON - OFF</p> <p><b>7050</b> Double Pole ON - OFF</p> <p><b>7051</b> Double Pole with light ON - OFF</p> <p><b>7053</b> Double pole with light ON - OFF</p> <p><b>7054</b> Double pole (momentary ON) with light ON - OFF</p> <p><b>7030</b> Indicator UL E63363 CSA LR29381</p>	<p><b>A</b> Round actuator shown in F body</p> <p><b>A</b> Round actuator shown in G body</p> <p><b>B</b> Round actuator - medium shown in F body</p> <p><b>C</b> Round actuator - long shown in F body</p> <p><b>D</b> Round actuator - sub panel mount</p> <p><b>S</b> Rectangular actuator Shown in "A" body N/A for 7030</p>	<p>Panel cut-outs</p> <p><b>F H G</b> Body types fit either cut-out</p> <p><b>A</b></p>

## Dimensions

Panel thickness:  
A - 0.8 - 2.5mm  
F, G, H - 0.8 - 5.0mm



## Examples



C7000AF ---



C7003AF ---



C7050SA ---

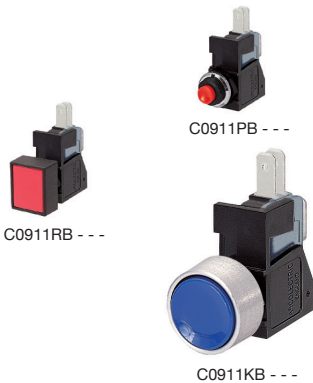


C7053AG ---

Body Colour	Actuator Colour	Lamp Voltage	Legend	Legend Colour	Options
<b>B</b> Black	LIT <b>A</b> Amber	— None			<p><b>Finish</b> Matt finish is standard on bodies. Gloss finish is standard on actuators.</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 or call sales for custom legends.</p> <p><b>Lamp voltage</b> Call sales for details of available voltages.</p> <p><b>Weatherproof housing (E)</b> Additional housing which fits round body switches with an oversize housing with a clear silicone cover designed to IP65. Mounting hole dia: 38.0mm</p>
<b>W</b> White	<b>C</b> Clear	<b>2</b> 125V Neon			
	<b>G</b> Green	<b>3</b> 250V Neon			
	<b>R</b> Red	<b>7</b> 12V Filament			
		<b>8</b> 24V Filament			
	UNLIT				
	<b>B</b> Black				
	<b>R</b> Red				
	<b>W</b> White				

# 0911 Push Button Switches

0.5A 250Vac



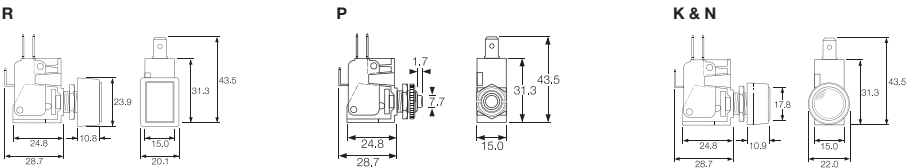
## Key Features

- Snap action switches
- Ratings up to 16A, 250Vac
- Round and rectangular buttons

## Approvals and specifications

16(4)A 250Vac 5E4 T85  
 16A 125/250Vac 3/4hp T85 50E3  
 125V 1/2 HP, 250V 3/4 HP, 0.4A 125Vdc, 0.2A 250Vdc  
 Approvals apply to switch mechanism only.  
 µ contact gap.

## Dimensions



Terminal	Function	Actuator	Body Code	Options
	<b>0911</b> (momentary) ON - ON	<b>R</b> Rectangular bezel  <b>P</b> Short  <b>K</b> with satin chrome bezel  <b>N</b> with nylon bezel 	 Panel Cut-out Panel thickness Both nuts 2.5mm No backnut 4.0mm	Call factory for custom colours



# 0916 - 0920 Push Button Switches

0.5A 250Vac

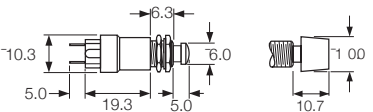


### Key Features

- Self wiping contacts
- Slow make & break
- Momentary action
- Choice of switch circuits
- Choice of actuators

### Dimensions

Dimensions (mm) Nylon S and L actuators

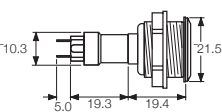


Neck thread - 40 TPI Whit. Actuator travel - 2.5 max

### Approvals and specifications

In house test:  
0.5A 250Vac T85 — Indicative rating only

Stainless steel V actuator (IP66)



Neck thread - 26 TPI Whit. Actuator travel - 2.5 max

Terminal	Function	Actuator	Body Code	Options
<b>T</b>  Solder	<b>0916</b>  Black base SP ON - OFF (momentary)	<b>S</b> Small Actuator 	 Panel Cut-out (L & S Actuators)	Finish Gloss finish for L and S actuators.
	<b>0917</b> 50V only  Brown base SP ON - OFF (momentary 1 side)	<b>L</b> Large Actuator 	Panel thickness Both nuts - 2.5mm No Backnut - 4.0	Colour Call sales for custom colours. A full range is available for large orders.
	<b>0918</b>  White base SP ON - OFF (momentary OFF)	<b>V</b> Vandal Resistant IP66 Flattop Stainless Steel 	 Panel Cut-out (Stainless Steel V Actuator) Panel thickness - 8.0mm	
	<b>0919</b>  Black base DP ON - OFF (momentary 1 side)			
	<b>0920</b>  White base DP ON - OFF (momentary ON)			