

# Push Button Switch 13A 250Vac



13(4)A 250Vac, T85, 1E4 (10,000 Operations)

Approvals applied for



Compliant

- ▶ 250Vac, 13A, 10,000 operations
- ▶ Double & single pole momentary operation
- ▶ Plunger operation with key for locking
- ▶ 4.8 & 6.3mm tags
- ▶ Snap in mounting & screw fixing
- ▶ Panel cut out: 37.0 x 13.5



C4151AA ---

**C 4151 A A ---**

TERMINAL FUNCTION ACTUATOR BODY PRINT, COLOUR, ETC

## NEW PRODUCT

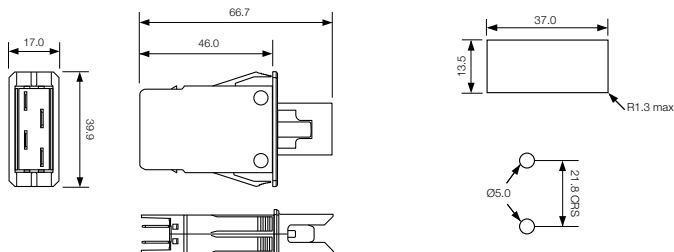
Please contact the sales office for availability.

push switches

▶ TERMINAL	▶ FUNCTION	▶ ACTUATOR	▶ BODY
<p><b>C</b></p> <p>6.3 x 0.8</p>	<p><b>Single 4101</b></p>	<p><b>A</b></p>	<p><b>A</b></p> <p><b>B</b></p> <p><b>C</b></p> <p><b>D</b></p>
<p><b>H</b></p> <p>4.8 x 0.8</p>	<p><b>Double 4151</b></p> <p>OFF - ON (momentary)</p>		<p><b>Accessories</b></p> <p>Locking key: M1395</p> <p>Connector: M1396</p>

### Dimensions (mm)

#### C4151HAA



# 8300 Push Button Switches 8(8)A 250Vac & 12(12)A 250Vac



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



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 DP, 13A 250Vac SP  
 250Vac 1hp, 125Vac 1/2hp  
 UL 85°C, file E45221, CSA file LR10990

In house test

10(10)A 250Vac



RoHS compliant

3mm contact gap.  
 Technical data on pages 4 & 5 (switches), 6 (indicators).

**H 8353 J E H --**

TERMINAL FUNCTION ACTUATOR BODY HIGHER RATING PRINT, COLOUR, ETC

push switches

TERMINAL	FUNCTION	ACTUATOR
<p><b>C</b></p> <p>6.3 x 0.8</p>	<p>Approvals &amp; ratings vary with function                      Single pole switches use terminals 1 &amp; 2 (&amp; 3)</p>	<p><b>A</b> Standard actuator</p>
<p><b>H</b></p> <p>4.8 x 0.8</p>	<p><b>8300</b> ON - OFF Single pole</p>	<p><b>H</b> Slotted for custom caps                      Slots for snap-in buttons</p>
<p><b>A</b></p> <p>As "H" but right angle                      4.8 x 0.8</p>	<p><b>8301</b> ON - OFF (momentary ON) Single pole</p>	<p><b>C</b> Square actuator</p>
<p><b>K</b></p> <p>2.8 x 0.8</p>	<p><b>8303</b> ON - OFF with light Single pole</p>	<p><b>E</b> Radiused actuator</p>
<p><b>T</b></p> <p>Solder</p>	<p><b>8304</b> ON - OFF (momentary ON) with light Single pole</p>	<p><b>F</b> Small round actuator</p>
<p><b>X</b></p> <p>PCB 0.8 Sq</p>	<p><b>8350</b> ON - OFF Double pole</p>	<p><b>J</b> Smooth curved actuator</p>
<p><b>V</b></p> <p>Dual pin PCB                      (Call sales for mounting dims)</p>	<p><b>8351</b> ON - OFF (momentary ON) Double pole</p>	<p><b>M</b></p>
	<p><b>8353</b> ON - OFF with light Double pole</p>	<p><b>D</b> Large round actuator</p>
	<p><b>8354</b> ON - OFF (momentary ON) with light Double pole</p>	<p>All actuators except H available lit</p>
	<p><b>8355</b> ON - OFF Single pole                      Isolated light - switched                      C, E &amp; M actuators only</p>	
	<p><b>8356</b> ON - OFF Single pole                      Isolated light - unswitched                      C, E &amp; M actuators only</p>	



H8350AB ---  
T8350AB ---



H8353JE ---  
T8353JE ---



H8353EB ---  
T8353EB ---



H8353CB ---  
T8353CB ---



H8350DB ---  
T8350DB ---



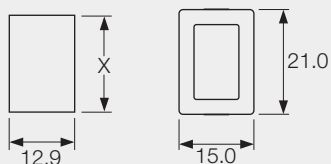
H8350HB ---  
Example of button

**BODY**

Panel cut-out Bezel  
Cut-outs must be punched in the direction of insertion

**B** Standard body

**E** Softline style body with radiused bezel



Dimensions for snap-in fixing

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

X and V PCB terminals.  
Additional dummy terminals may be supplied for extra support.

**OPTIONS**

**H**  
12(12)A 250Vac switch rating

**Finish**  
Matt finish standard except on J and D actuators which are gloss

**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

**Special buttons**  
Some of the many options are shown  
Call sales for the full range

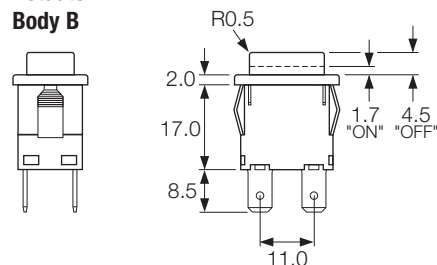
**L167 Protective cover**  
(designed to IP65)



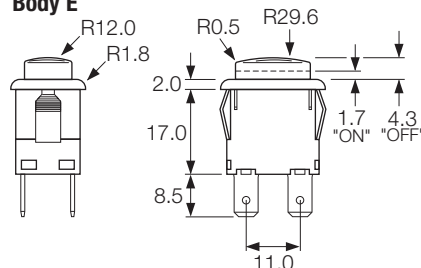
Snaps on to switch bodies fitted with "A" or "J" style actuators but increases effective panel thickness by 0.8mm

**DIMENSIONS (mm)**

**Actuator A  
Body B**



**Actuator J  
Body E**



Spacing between centre of terminals 1 & 3 or 2 & 4 is 10.0mm

**Examples of printing**



EN1153



EN1152

# 8200 Push Button Switches 8(8)A 250Vac & 12(12)A 250Vac



- ▶ 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



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



RoHS compliant

3mm contact gap.  
 Technical data on pages 4 & 5.

**H 8200 A A H --**

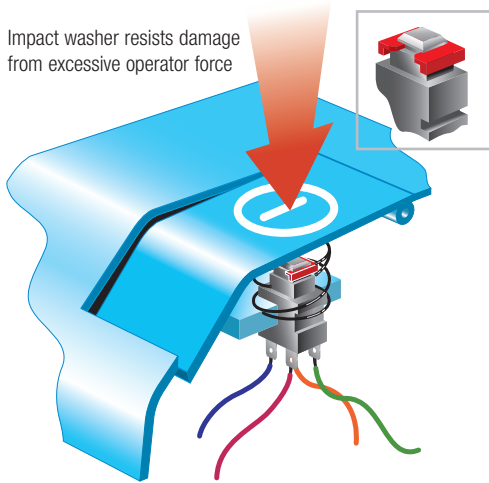
TERMINAL    FUNCTION    ACTUATOR    BODY    HIGHER RATING PRINT, COLOUR, ETC

push switches

TERMINAL	FUNCTION	ACTUATOR
<p><b>C</b></p> <p>6.3 x 0.8</p>		<p><b>A</b> Standard actuator for snap-on custom adaptors</p>
<p><b>H</b></p> <p>4.8 x 0.8</p> <p><b>A</b></p> <p>As H, 4.8 x 0.8 Right angle</p>	<p><b>8200</b>    ON - OFF Single pole</p>	<p><b>B</b> Flat top actuator</p>
<p><b>K</b></p> <p>2.8 x 0.8</p>	<p><b>8201</b>    ON - OFF (momentary ON) Single pole</p>	<p><b>C</b> Curved top actuator</p>
<p><b>T</b></p> <p>2.6</p> <p>1.5</p> <p>Solder</p>	<p><b>8250</b>    ON - OFF Double pole</p>	<p><b>Examples of possible actuation methods</b></p> <p>Using a Snap on adaptor</p>
<p><b>X</b></p> <p>4.5</p> <p>PCB 0.8 Sq</p> <p><b>V</b></p> <p>3.7Ctrs</p> <p>Dual pin PCB 0.8 Sq (Call sales for matrix dims)</p>	<p><b>8251</b>    ON - OFF (momentary ON) Double pole</p>	<p>Using a Hinged Actuator</p>
<p><b>M</b></p> <p>5.3</p> <p>7.3</p> <p>As V, PCB but Right angle</p>		

## Alternative Actuator

Impact washer resists damage from excessive operator force



C8250AA ---  
with impact washer M1226



X8201AA ---



K8200AA ---



A8200AA ---



M8200AC ---



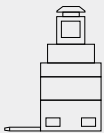
Example of M8200AC

push  
switches

## BODY

### A

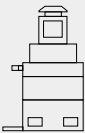
Standard body



See dimensioned drawings for details

### C

As standard body but with side support peg for use with M PCB terminals

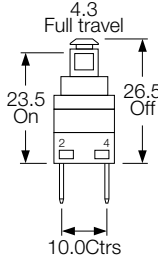
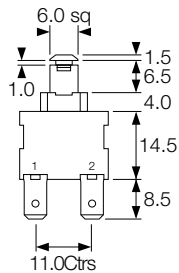
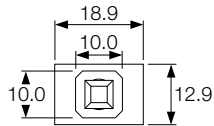


See dimensioned drawings for details

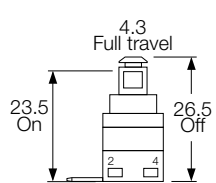
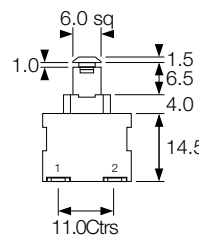
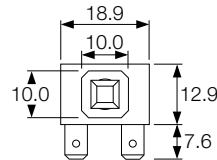
X and V PCB terminals.  
Additional dummy terminals may be supplied for extra support.

## DIMENSIONS (mm)

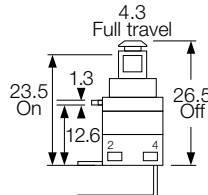
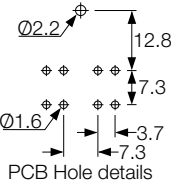
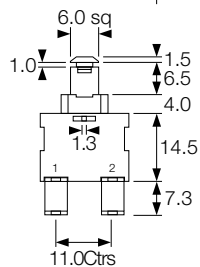
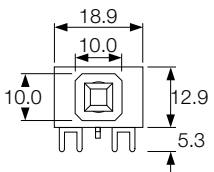
### 'A' body with 'H' 4.8 terminals



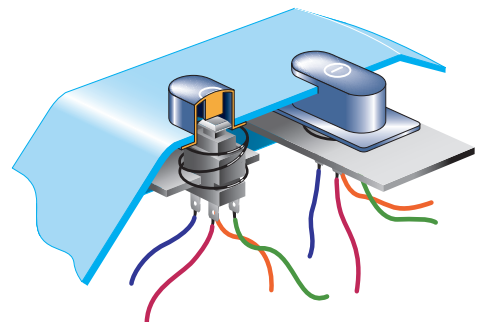
### 'A' body with 'A' right angle 4.8 terminals



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



### Example of possible mounting styles



# 7000 Push Button Switches 16A 250Vac



- ▶ 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



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



RoHS compliant

3mm contact gap.  
Technical data on pages 4 & 5 (switches), 6 (indicators).

**C 7053 A F ---**

TERMINAL    FUNCTION    ROCKER    BODY    PRINT, COLOUR, ETC

push switches

TERMINAL	FUNCTION		ACTUATOR
<b>C</b>  6.3 x 0.8 9.1	<b>7000</b>	 Single pole ON - OFF	<b>A</b> Round actuator shown in F body  21.0 9.7 <b>A</b> Round actuator shown in G body  <b>B</b> Round actuator - medium shown in F body  ø21.1 ø11.5 9.1 18.6 <b>C</b> Round actuator - long shown in F body  ø21.1 ø11.2 20.0 29.5 <b>D</b> Round actuator - sub panel mount  ø21.1 9.7 16.9 <b>S</b> Rectangular actuator Shown in "A" body N/A for 7030  19.5 8.8
	<b>7001</b>	 Single pole ON - OFF (momentary ON)	
	<b>7003</b>	 Single pole ON - OFF with light	
	<b>7004</b>	 Single pole ON - OFF (momentary ON) with light	
	<b>7050</b>	 Double pole ON - OFF	
	<b>7051</b>	 Double pole ON - OFF (momentary ON)	
	<b>7053</b>	 Double pole ON - OFF with light	
	<b>7054</b>	 Double pole ON - OFF (momentary ON) with light	
	<b>7030</b>	 Indicator 	
	<b>H</b>  4.8 x 0.8 9.1		



C7000AF ---



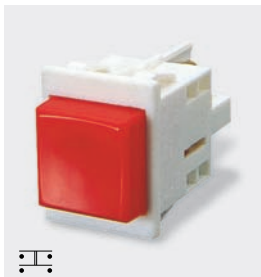
C7003AF ---



C7053CF ---



C7053BF ---



C7050SA ---



C7053AG ---



C7053DF ---

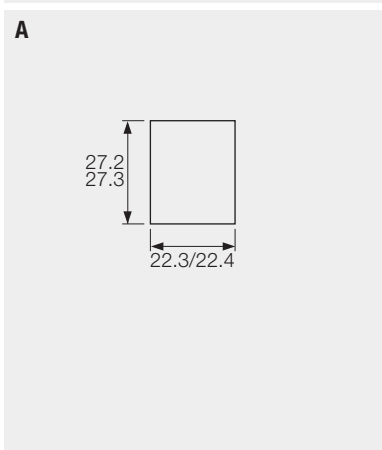
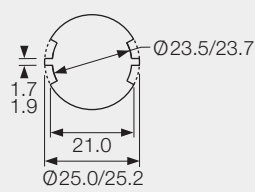
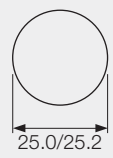


C7030AH ---

▶ BODY	▶ OPTIONS
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Panel cut-outs

**F H G** Body types fit either cut-out



Cut-outs must be punched in the direction of insertion

**Finish**  
Matt finish is standard on bodies.  
Gloss finish is standard on actuators.

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

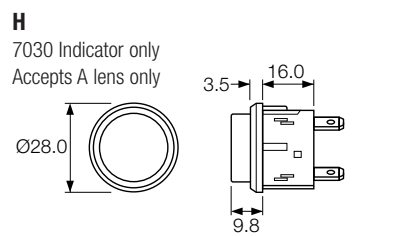
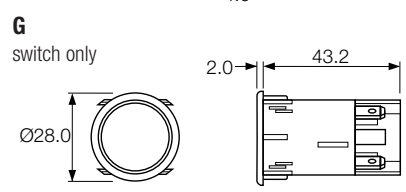
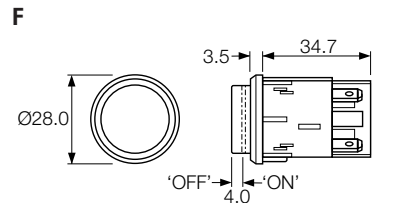
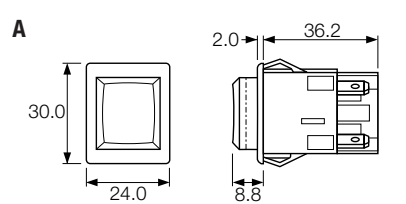
**Legend printing**  
A wide range is available or call sales for custom legends.

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

**Protective housing (E)**  
(designed to IP65)  
Covers are available for round body styles, call sales for details.

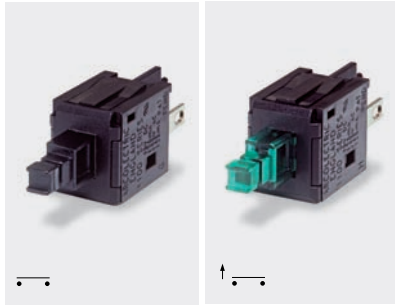
**DIMENSIONS (mm)**

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





# 1100 Push Button Switches 0.125A 125Vac



T1100AA - - - T1101AA - - -

- ▶ Miniature push button
- ▶ Ratings up to 500mA, 250Vac
- ▶ Snap in and flange mount
- ▶ With and without button
- ▶ Gold plated contacts
- ▶ Latching and momentary



UL 0.125A 125Vac  
UL 0.125A 45Vdc  
UL file E45221

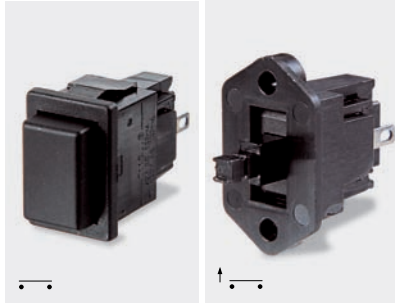
In house test

0.5A 250Vac T85

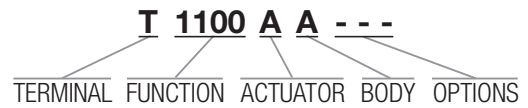


RoHS compliant

μ contact gap.  
Technical data on pages 4 & 5.



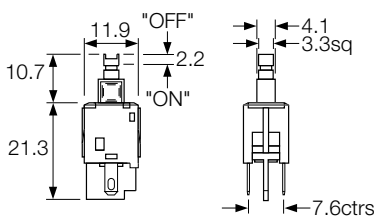
T1100BB - - - T1100AC - - -



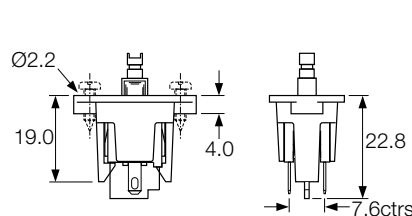
▶ TERMINAL	▶ FUNCTION	▶ ACTUATOR	▶ BODY
<p><b>T</b></p>	<p><b>1100</b></p> <p>ON - OFF (alternate) Single pole</p> <p><b>1101</b></p> <p>ON - OFF (momentary ON) Single pole</p>	<p><b>A</b> Actuator without button</p> <p><b>B</b> Softline button</p>	<p><b>A</b> For purpose designed facias and sub-panels</p> <p><b>B</b> Snap-in fixing</p> <p>Panel thickness    Dimension X</p> <p>0.75-1.24    19.1/19.2</p> <p>1.25-1.99    19.3/19.4</p> <p>2.00-3.00    19.7/19.8</p> <p><b>C</b> 2 Hole mounting</p>

## Dimensions (mm)

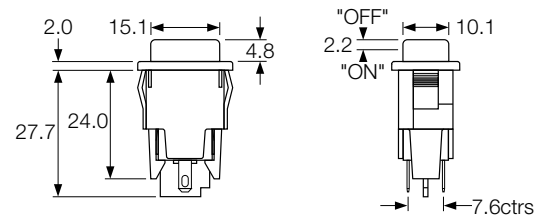
**T1100AA** (Enclosure mounting)



**T1100AC** (2 Hole Mounting) No.4 self-tapping screws



**T1100BB** (Snap-in) Cut-outs must be punched in the direction of insertion





# 0916 - 0920 Push Button Switches 0.5A 250Vac

In house test

0.5A 250Vac T85

**RoHS**

RoHS compliant

μ contact gap.

Technical data on pages 4 & 5.

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



T0916S0 ---  
& T0916L0 ---

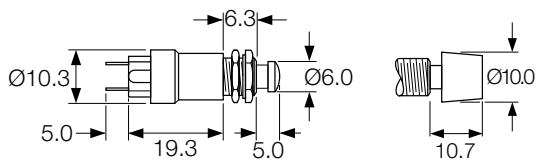
T0916VA ---



▶ TERMINAL	▶ FUNCTION	▶ ACTUATOR	▶ BODY	▶ OPTIONS
<p><b>T</b></p>	<p><b>0916</b></p> <p>Black base SP ON-OFF (momentary ON)</p>	<p><b>S</b> Small Actuator</p>	<p><b>O</b> for L and S Actuator</p> <p>Panel Cut-out</p> <p>Panel thickness Both nuts - 2.5mm No backnut - 4.0mm</p>	<p><b>Finish</b> Gloss finish for L and S actuators.</p> <p><b>Colour</b> Call sales for custom colours. A full range is available for large orders.</p>
	<p><b>0917</b> 50V only</p> <p>Brown base SP ON-ON (momentary 1 side)</p>	<p><b>L</b> Large Actuator</p>		
	<p><b>0918</b></p> <p>White base SP ON-OFF (momentary OFF)</p>	<p><b>V</b> Vandal Resistant IP66 Flat top Stainless steel</p>	<p><b>A</b> for V Actuator (stainless steel) Chamfer profile bezel</p> <p>Panel Cut-out Panel thickness - 8.0mm</p>	
	<p><b>0919</b></p> <p>Black base SP ON-ON (momentary 1 side)</p>			
	<p><b>0920</b></p> <p>White base DP ON-OFF (momentary ON)</p>			

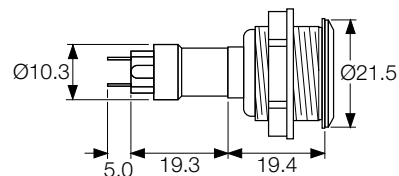
## Dimensions (mm)

### Nylon S and L actuators



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

### Stainless steel V actuator (IP66)



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

# 0911 Push Button Snap Action Switches Up to 16(4)A 250Vac



C0911KB ---



C0911RB --- C0911PB ---

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



16(4)A 250Vac 5E4 T85

16A 125/250Vac 3/4hp T85 50E3 UL file no. E45221  
125V 1/2 HP, 250V 3/4 HP, 0.4A 125Vdc, 0.2A 250Vdc

RoHS

RoHS compliant

Approvals apply to switch mechanism only.  
μ contact gap.  
Full rating details and technical data on pages 58 & 59.



▶ TERMINAL	▶ FUNCTION	▶ ACTUATOR	▶ BODY	▶ OPTIONS
<p><b>C</b></p> <p>6.3 x 0.8</p> <p>12.0</p>	<p><b>0911</b></p> <p>ON - ON (momentary)</p>	<p><b>R</b> Rectangular bezel</p> <p><b>P</b> Short</p> <p><b>K</b> with satin chrome bezel</p> <p><b>N</b> with nylon bezel</p>	<p><b>B</b></p> <p>Panel Cut-out</p> <p>Panel thickness Both nuts 2.5mm No backnut 4.0mm</p>	<p><b>Colour</b></p> <p>Call sales for custom colours. A full range is available for larger orders.</p>

## Dimensions (mm)

