

# 8300 Push Button Switches 16A 250Vac



- ▶ Miniature push button
- ▶ Ratings up to 16A, 250V ac
- ▶ 8A Inductive current rating
- ▶ Illuminated and non-illuminated
- ▶ Single and double pole  
Latching and momentary
- ▶ 'H' slotted for custom act
- ▶ Industry standard panel cutout  
Bezel size:  
21 x 15mm



16(4)A 250Vac T85, 1E4 (10,000 Operations)  
12(2)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



RoHS compliant

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

NON-LIT		LIT		
<b>B</b> BLACK	<b>B</b> BLACK	<b>A</b> AMBER	<b>2</b> 125V NEON	
<b>R</b> RED	<b>R</b> RED	<b>C</b> CLEAR	<b>3</b> 250V NEON	
<b>W</b> WHITE	<b>W</b> WHITE	<b>G</b> GREEN	<b>7</b> 12V INCANDESCENT	
		<b>R</b> RED		

**H 8353 J E B R 2 1153W**

TERMINAL CODE    FUNCTION CODE    ACTUATOR CODE    BODY CODE    BODY COLOR    ACTUATOR COLOR    LAMP VOLTAGE IF REQUIRED    LEGEND & OPTIONS

## ORDER FORMAT

TERMINAL
<p><b>C</b></p> <p>6.3 x 0.8</p>
<p><b>H</b></p> <p>4.8 x 0.8</p>
<p><b>A</b></p> <p>As "H" but right angle 4.8 x 0.8</p>
<p><b>K</b></p> <p>2.6</p> <p>1.5</p> <p>2.8 x 0.8</p>
<p><b>T</b></p> <p>2.6</p> <p>1.5</p> <p>7.0</p> <p>Solder</p>
<p><b>X</b></p> <p>4.5</p> <p>7.0</p> <p>PCB 0.8 Sq</p>
<p><b>V</b></p> <p>4.3</p> <p>3.7Ctrs</p> <p>Dual pin PCB (Call factory for matrix dims)</p>

FUNCTION
<p>Approvals &amp; ratings vary with function Single pole switches use terminals 1 &amp; 2 (&amp; 3)</p>
<p><b>8300</b> ON - OFF Single pole</p>
<p><b>8301</b> ON - OFF (momentary ON) Single pole</p>
<p><b>8303</b> ON - OFF with light Single pole</p>
<p><b>8304</b> ON - OFF (momentary ON) with light Single pole</p>
<p><b>8350</b> ON - OFF Double pole</p>
<p><b>8351</b> ON - OFF (momentary ON) Double pole</p>
<p><b>8353</b> ON - OFF with light Double pole</p>
<p><b>8354</b> ON - OFF (momentary ON) with light Double pole</p>
<p><b>8355</b> ON - OFF Single pole Isolated light - switched</p>
<p><b>8356</b> ON - OFF Single pole Isolated light - unswitched</p>

ACTUATOR
<p><b>A</b> Standard actuator</p>
<p><b>H</b> Slotted for custom actuators Slots for snap-in buttons</p>
<p><b>C</b> Square actuator</p>
<p><b>E</b> Radiused actuator</p>
<p><b>F</b> Small round actuator</p>
<p><b>J</b> Smooth curved actuator</p>
<p><b>M</b></p>
<p><b>D</b> Large round actuator</p>
<p>All actuators except H available lit</p>



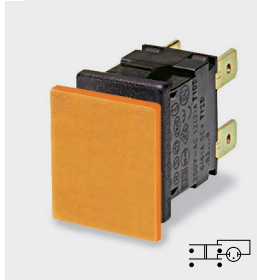
C8350AB  
T8350AB



H8353JE  
T8353JE



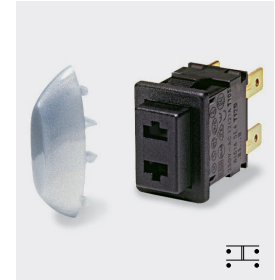
H8353EB  
T8353EB



H8353CB  
T8353CB



H8350DB  
T8350DB



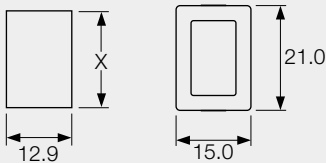
H8350HB  
Example of actuator

**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**

**Finish**

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

**Color**

Call factory for custom colors  
A full range is available for large orders

**Legend printing**

Select from the examples or call factory for custom legends

**Special buttons**

Some of the many options are shown  
Call the factory for the full range

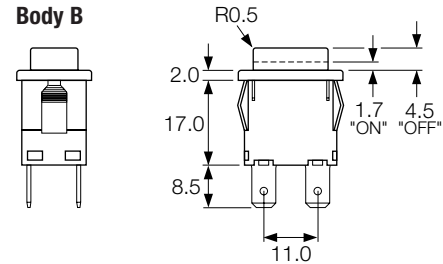
**L167 Protective cover**  
(designed to IP65)



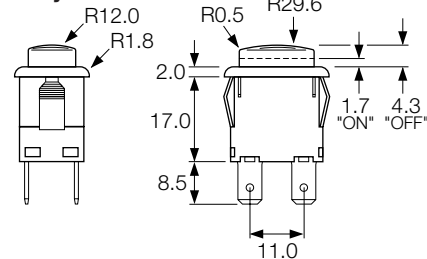
Snaps on to switch bodies fitted with "A" or "J" style actuators but increases effective panel thickness by 0.8mm

**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 legend printing**

( ) is legend colour B-Black, W-White, R-Red

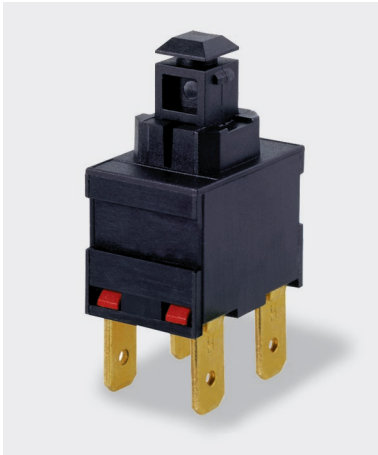


1153(W)



1152(W)

# 8200 Push Button Switches 16A 250Vac



- ▶ Miniature push button
- ▶ Ratings up to 16A, 250V ac
- ▶ Without button
- ▶ Sub panel mount
- ▶ 8A Inductive current rating
- ▶ Push on, solder or PCB terminals
- ▶ Latching and momentary



16(4)A 250Vac T85, 1E4 (10,000 Operations)  
 12(2)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)



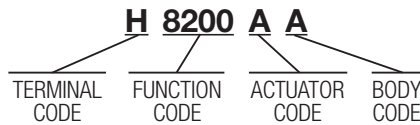
12A 250Vac  
 250Vac 1hp, 125Vac 1/2hp  
 UL 85°C, file E45221, CSA file LR10990



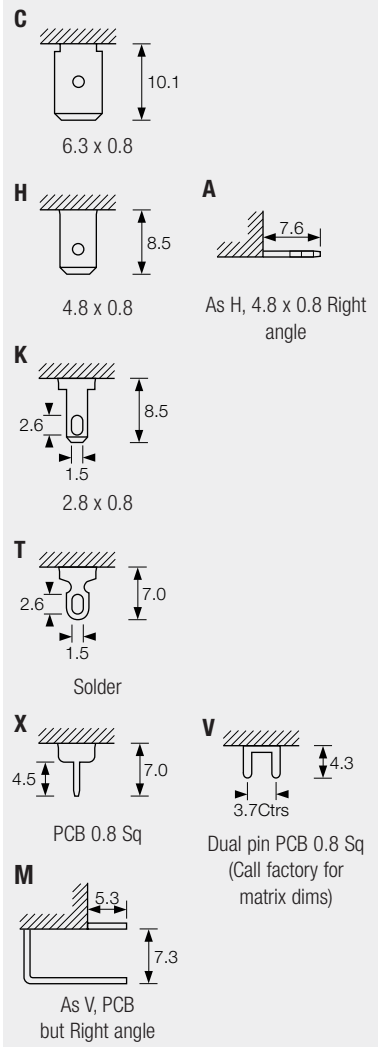
RoHS compliant

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

## ORDER FORMAT



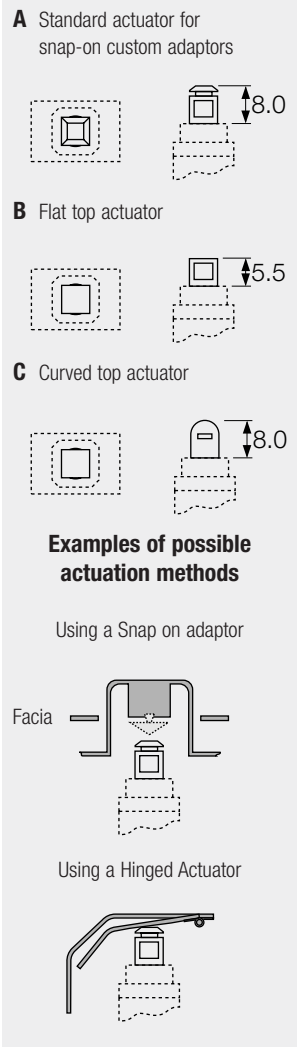
### TERMINAL



### FUNCTION

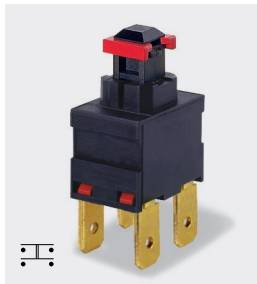
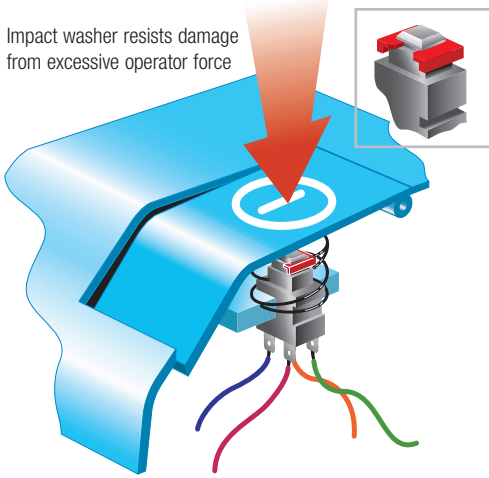
FUNCTION CODE	DESCRIPTION	SYMBOL
8200	ON - OFF Single pole	
8201	ON - OFF (momentary ON) Single pole	
8250	ON - OFF Double pole	
8251	ON - OFF (momentary ON) Double pole	

### ACTUATOR



## Alternative Actuator

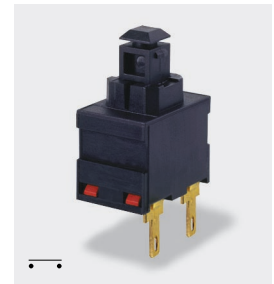
Impact washer resists damage from excessive operator force



C8250AA with impact washer M1226



X8201AA



K8200AA



A8200AA



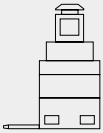
M8200AC



Example of M8200AC

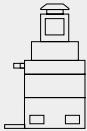
## BODY

**A**  
Standard body



See dimensioned drawings for details

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

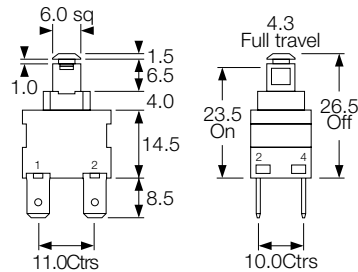
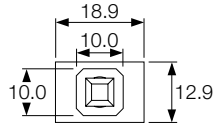


See dimensioned drawings for details

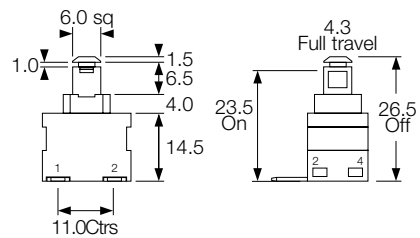
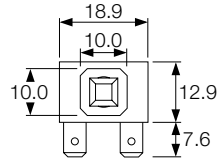
X and V PCB terminals.  
Additional dummy terminals may be supplied for extra support.

## DIMENSIONS (mm)

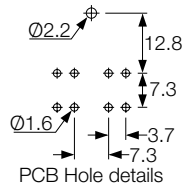
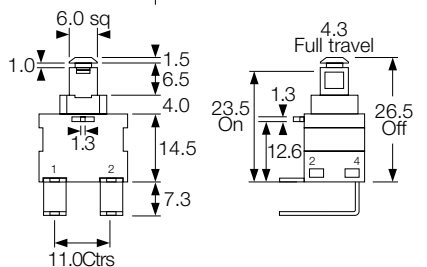
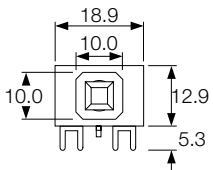
'A' body with 'H' 4.8 terminals



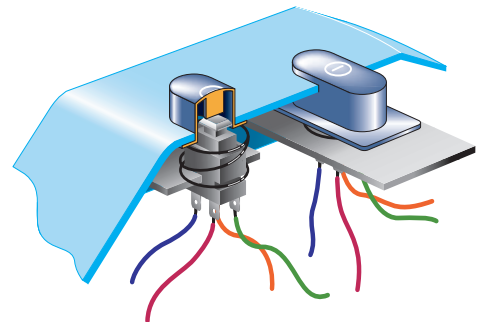
'A' body with 'A' right angle 4.8 terminals



'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
- ▶ Bezel sizes:  
28mm dia  
30 x 24mm



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



UL CSA 16A Non Ind, 250Vac 1hp, 125Vac 1/2hp  
UL65°C, file no. E45221, CSA file no. LR10990



16A 28V dc



RoHS compliant

3mm contact gap.  
Technical data on pages 4 & 5 (switches), 66 (indicators).

NON-LIT		LIT	
<b>B</b> BLACK	<b>B</b> BLACK	<b>A</b> AMBER	<b>2</b> 125V NEON
<b>R</b> RED	<b>R</b> RED	<b>C</b> CLEAR	<b>3</b> 250V NEON
<b>W</b> WHITE	<b>W</b> WHITE	<b>G</b> GREEN	<b>7</b> 12V INCANDESCENT
		<b>R</b> RED	

**C 7053 A F W R 2 -----**

## ORDER FORMAT

TERMINAL CODE    FUNCTION CODE    ACTUATOR CODE    BODY CODE    BODY COLOR    ACTUATOR COLOR    LAMP VOLTAGE IF REQUIRED    LEGEND & OPTIONS

TERMINAL	FUNCTION				ACTUATOR
<b>C</b> 	<b>7000</b>		Single pole ON - OFF		<b>A</b> Round actuator shown in F body  <b>A</b> Round actuator shown in G body  <b>B</b> Round actuator - medium shown in F body  <b>C</b> Round actuator - long shown in F body  <b>D</b> Round actuator - sub panel mount  <b>S</b> Rectangular actuator Shown in "A" body N/A for 7030 
	<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>H</b> 	<b>7054</b>		Double pole ON - OFF (momentary ON) with light		
	<b>7030</b>		Indicator		



C7000AF ---



C7003AF ---



C7053CF ---



C7053BF ---



C7050SA ---



C7053AG ---



C7053DF ---

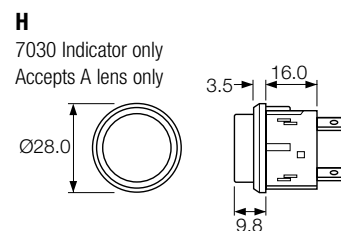
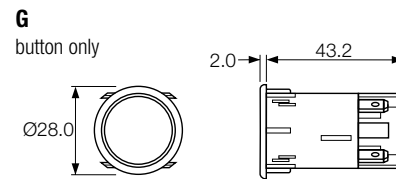
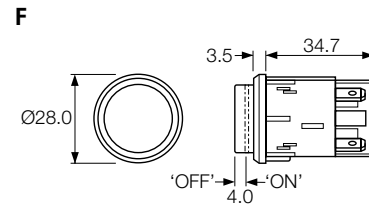
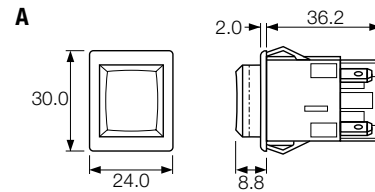


C7030AH ---

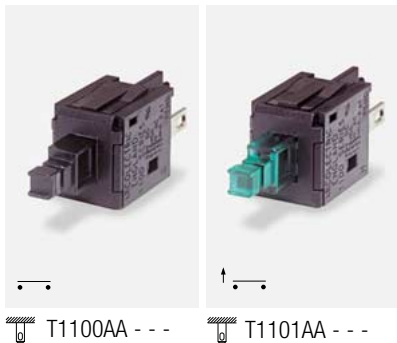
BODY	OPTIONS
Panel cut-outs	<p><b>Finish</b> Matt finish is standard on bodies Gloss finish is standard on actuators</p>
F H G Body types fit either cut-out	<p><b>Color</b> Call factory for custom colors A full range is available for large orders</p>
	<p><b>Legend printing</b> A wide range is available or call the factory for custom legends</p>
<p><b>A</b></p> <p>Cut-outs must be punched in the direction of insertion</p>	<p><b>Lamp voltage</b> Call factory for details of other available voltages</p> <p><b>Protective housing (E)</b> (designed to IP65) Covers are available for round body styles, call factory for details</p>

**DIMENSIONS (mm)**

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



# 1100 Push Button Switches 0.125A 125Vac



- ▶ Miniature push button
- ▶ Ratings up to 500mA, 250V ac
- ▶ 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

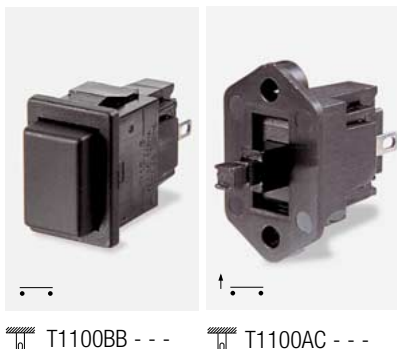
In house test

0.5A 250Vac T85

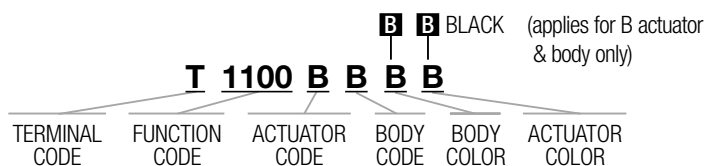
RoHS

RoHS compliant

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



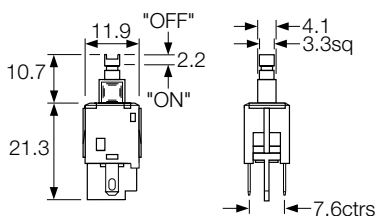
## ORDER FORMAT



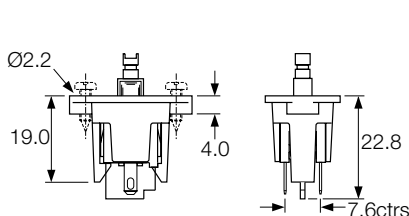
TERMINAL	FUNCTION	ACTUATOR	BODY
<b>T</b>      	  <b>1100</b>    ON - OFF (alternate) Single pole  <b>1101</b>  	<b>A</b> Actuator without button    <b>B</b> Softline button  	<b>A</b> For purpose designed facias and sub-panels    <b>B</b> Snap-in fixing    Panel thickness    Dimension X 0.75-1.24    19.1/19.2 1.25-1.99    19.3/19.4 2.00-3.00    19.7/19.8  <b>C</b> 2 Hole fixing    Ø3.1 27.0 16.5

### Dimensions (mm)

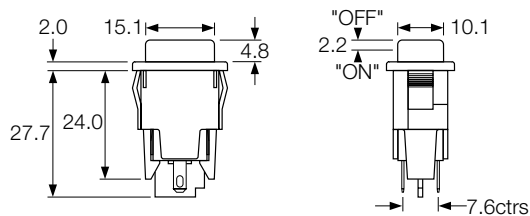
**T1100AA** (Enclosure mounting)



**T1100AC** (2 Hole Fixing) 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

Self-Wiping - Slow Make & Break

*In house test*

0.5A 250Vac T85

**RoHS**

RoHS compliant

μ contact gap.

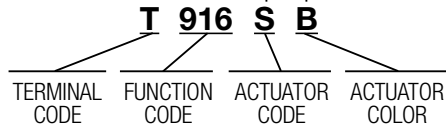
Technical data on pages 4 & 5.

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



T0916S0 --- & T0916L0 ---  
T0916VA ---

- L** **B** BLACK (for S or L actuator)
- S** **R** RED (for S or L actuator)
- V** **Blank** (for Stainless steel V actuator)

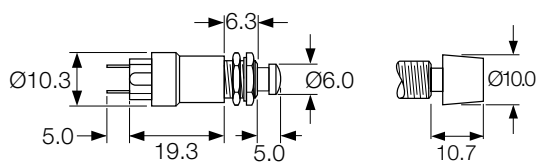


## ORDER FORMAT

▶ TERMINAL	▶ FUNCTION	▶ ACTUATOR	▶ BODY	▶ OPTIONS
<p><b>T</b></p> <p>Solder</p>	<p><b>916</b></p> <p>Black base SP ON-OFF (momentary ON)</p>	<p><b>S</b> Small Actuator</p>	<p>Panel Cut-out (L &amp; S actuators)</p> <p>Panel thickness Both nuts 2.5mm No backnut 4.0mm</p>	<p><b>Finish</b> Gloss finish only</p> <p><b>Color</b> Call factory for custom colors A full range is available for large orders</p>
	<p><b>917</b> 50V only</p> <p>Brown base SP ON-ON (momentary 1 side)</p>	<p><b>L</b> Large Actuator</p>		
	<p><b>918</b></p> <p>White base SP ON-OFF (momentary OFF)</p>	<p><b>V</b> Vandal Resistant IP66 Flat top Stainless steel</p>	<p>Panel Cut-out (stainless steel V actuator)</p> <p>Panel thickness 8.0mm</p>	
	<p><b>919</b></p> <p>Black base SP ON-ON (momentary 1 side)</p>			
	<p><b>920</b></p> <p>White base DP ON-OFF (momentary ON)</p>			

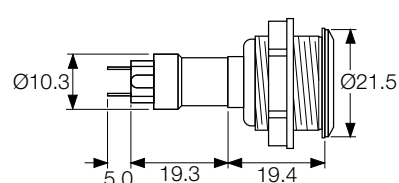
### Dimensions (mm)

#### 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

# 340 Push Button Snap Action Switches 15(4)A 250Vac



343 40350 K BL    343 40350 V

- ▶ Snap action switches
- ▶ Ratings up to 16A, 250V ac
- ▶ Round and rectangular buttons
- ▶ Stainless steel, IP68 vandal resistant button



16(4)A 250Vac 50E3

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 compliant

Approvals apply to switch mechanism only.  
μ contact gap.  
Full rating details and technical data on pages 50 & 51.



343 40350 RR    343 40350 PR    343 40350 ER

- Blank for switch only
- E** **R** Red **B** Black
- P** **R** Red **B** Black
- K** **R** Red **B** Black **BL** Blue **G** Green **W** White
- R** **R** Red **B** Black **BL** Blue **G** Green **W** White
- M** **R** Red **B** Black **BL** Blue **G** Green **W** White
- V** ■ Stainless steel

## 343 40350 K BL

TERMINAL FUNCTION ACTUATOR ACTUATOR  
CODE CODE CODE COLOR

### ORDER FORMAT

TERMINAL	FUNCTION	ACTUATOR	BODY	OPTIONS
<p><b>343</b></p> <p>6.3 x 0.8</p>	<p><b>40350</b></p> <p>4.8 x 0.5</p> <p>ON - ON (momentary 1 side)</p>	<p><b>R</b> Rectangular bezel</p> <p><b>P</b> Short</p> <p><b>K</b> with satin chrome bezel <b>M</b> with nylon bezel</p> <p><b>V</b> Vandal resistant</p>	<p>Panel Cut-out (N/A for V actuator)</p> <p>Panel thickness Both nuts 2.5mm No backnut 4.0mm</p>	<p><b>Color</b> Call factory for custom colors A full range is available for large orders</p> <p><b>Cover M323</b> Available for "P" actuator only</p>
<p><b>345</b></p> <p>4.8 x 0.5</p>		<p>Stainless steel chamfer profile bezel</p> <p>Panel Cut-out (for V actuator only)</p> <p>Panel thickness 8.0mm</p>		
<p><b>342</b></p> <p>6.4</p> <p>Solder</p>		<p>Covers have internal nylon nut</p>		

### Dimensions (mm)

