

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 BLACK	B BLACK	A AMBER	2 125V NEON	
R RED	R RED	C CLEAR	3 250V NEON	
W WHITE	W WHITE	G GREEN	7 12V INCANDESCENT	
		R 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>C</p> <p>6.3 x 0.8</p>
<p>H</p> <p>4.8 x 0.8</p>
<p>A</p> <p>As "H" but right angle 4.8 x 0.8</p>
<p>K</p> <p>2.6 1.5 2.8 x 0.8</p>
<p>T</p> <p>2.6 1.5 7.0</p> <p>Solder</p>
<p>X</p> <p>4.5 7.0</p> <p>PCB 0.8 Sq</p>
<p>V</p> <p>4.3 3.7Ctrs</p> <p>Dual pin PCB (Call factory for matrix dims)</p>

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

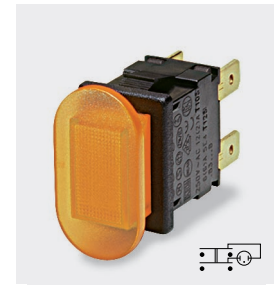
ACTUATOR
<p>A Standard actuator</p>
<p>H Slotted for custom actuators Slots for snap-in buttons</p>
<p>C Square actuator</p>
<p>E Radiused actuator</p>
<p>F Small round actuator</p>
<p>J Smooth curved actuator</p>
<p>M</p>
<p>D Large round actuator</p>
<p>All actuators except H available lit</p>



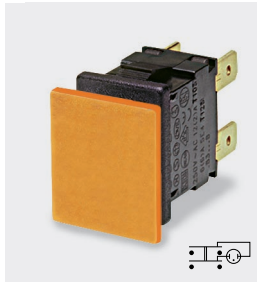
C8350AB
T8350AB



H8353JE
T8353JE



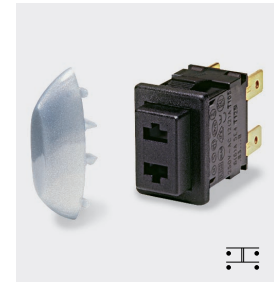
H8353EB
T8353EB



H8353CB
T8353CB



H8350DB
T8350DB



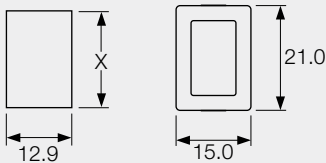
H8350HB
Example of actuator

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

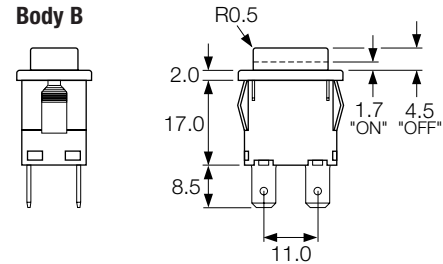
L167 Protective cover
(designed to IP65)



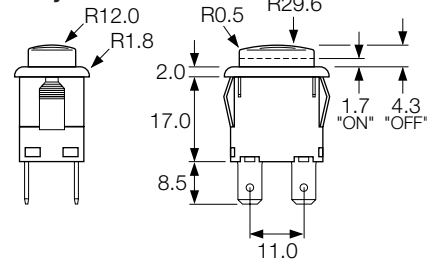
Snaps on to switch bodies fitted with "A" or "J" style actuators but increases effective panel thickness by 0.8mm

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)



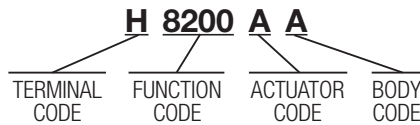
12A 250Vac
 250Vac 1hp, 125Vac 1/2hp
 UL 85°C, file E45221, CSA file LR10990



RoHS compliant

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

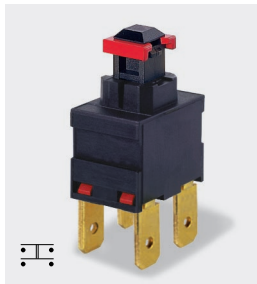
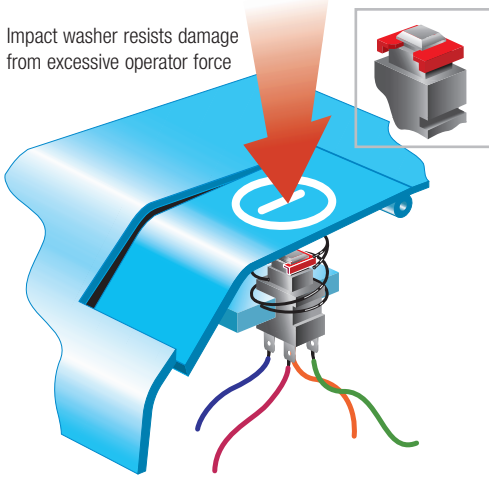
ORDER FORMAT



TERMINAL	FUNCTION	ACTUATOR
<p>C</p> <p>6.3 x 0.8 10.1</p> <p>H</p> <p>4.8 x 0.8 8.5</p> <p>A</p> <p>As H, 4.8 x 0.8 Right angle 7.6</p> <p>K</p> <p>2.8 x 0.8 8.5 2.6 1.5</p> <p>T</p> <p>Solder 2.8 x 0.8 7.0 2.6 1.5</p> <p>X</p> <p>PCB 0.8 Sq 7.0 4.5</p> <p>V</p> <p>Dual pin PCB 0.8 Sq (Call factory for matrix dims) 4.3 3.7 Ctrs</p> <p>M</p> <p>As V, PCB but Right angle 7.3 5.3</p>	<p>8200 ON - OFF Single pole</p> <p>8201 ON - OFF (momentary ON) Single pole</p> <p>8250 ON - OFF Double pole</p> <p>8251 ON - OFF (momentary ON) Double pole</p>	<p>A Standard actuator for snap-on custom adaptors</p> <p>B Flat top actuator</p> <p>C Curved top actuator</p> <p>Examples of possible actuation methods</p> <p>Using a Snap on adaptor</p> <p>Using a Hinged Actuator</p>

Alternative Actuator

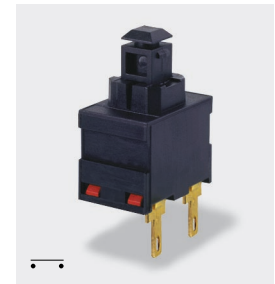
Impact washer resists damage from excessive operator force



C8250AA with impact washer M1226



X8201AA



K8200AA



A8200AA



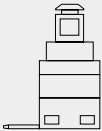
M8200AC



Example of M8200AC

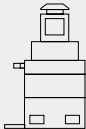
BODY

A
Standard body



See dimensioned drawings for details

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

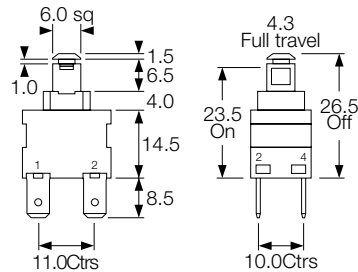
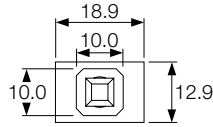


See dimensioned drawings for details

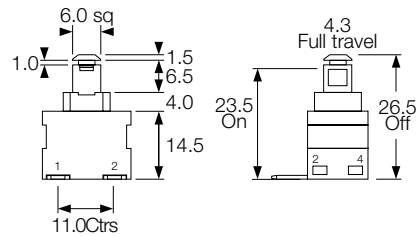
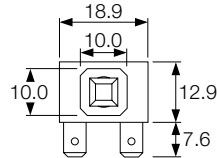
X and V PCB terminals.
Additional dummy terminals may be supplied for extra support.

DIMENSIONS (mm)

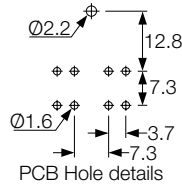
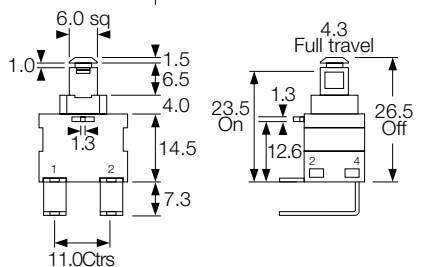
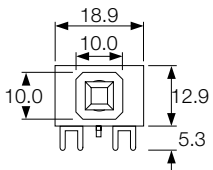
'A' body with 'H' 4.8 terminals



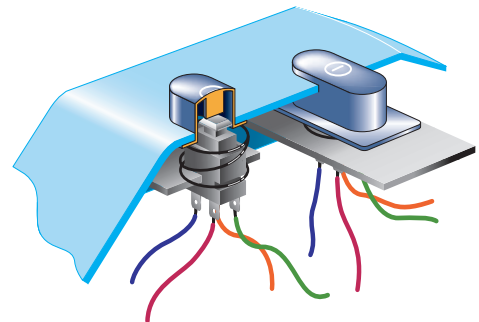
'A' body with 'A' right angle 4.8 terminals



'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 BLACK	B BLACK	A AMBER	2 125V NEON
R RED	R RED	C CLEAR	3 250V NEON
W WHITE	W WHITE	G GREEN	7 12V INCANDESCENT
		R 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
C 	7000		Single pole ON - OFF		A Round actuator shown in F body A Round actuator shown in G body B Round actuator - medium shown in F body C Round actuator - long shown in F body D Round actuator - sub panel mount S Rectangular actuator Shown in "A" body N/A for 7030
	7001		Single pole ON - OFF (momentary ON)		
	7003		Single pole ON - OFF with light		
	7004		Single pole ON - OFF (momentary ON) with light		
	7050		Double pole ON - OFF		
	7051		Double pole ON - OFF (momentary ON)		
	7053		Double pole ON - OFF with light		
H 	7054		Double pole ON - OFF (momentary ON) with light		
	7030		Indicator		



C7000AF ---



C7003AF ---



C7053CF ---



C7053BF ---



C7050SA ---



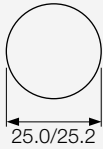
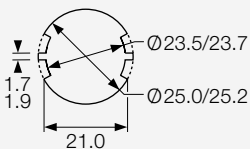
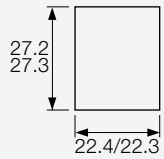
C7053AG ---



C7053DF ---

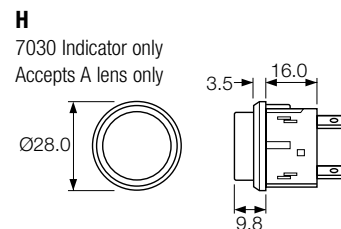
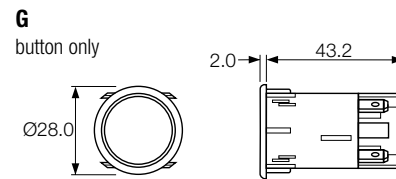
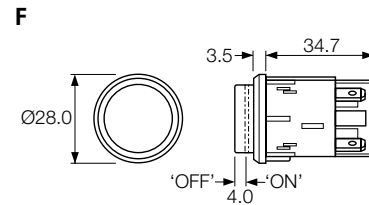
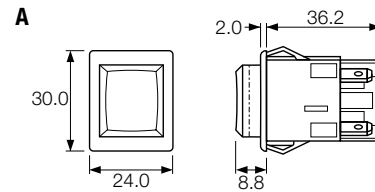


C7030AH ---

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

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, 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 compliant

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

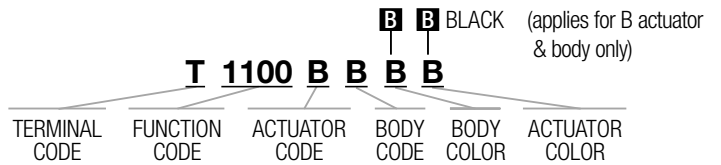


T1100BB ---



T1100AC ---

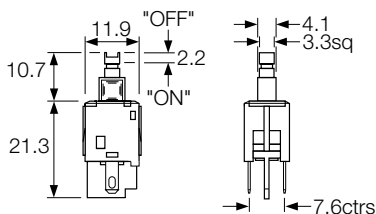
ORDER FORMAT



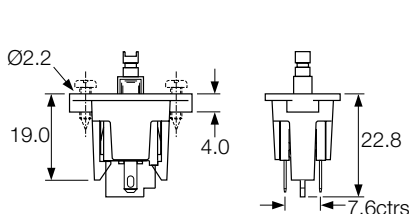
TERMINAL	FUNCTION	ACTUATOR	BODY
T 2.8 x 0.5	 1100 ON - OFF (alternate) Single pole 1101 ON - OFF (momentary ON) Single pole	A Actuator without button B Softline button 	A For purpose designed facias and sub-panels B Snap-in fixing Panel thickness Dimension X 0.75-1.24 19.1/19.2 1.25-1.99 19.3/19.4 2.00-3.00 19.7/19.8 C 2 Hole fixing 20.0 7.0 Min 5.0 Min 16.5 27.0 Ø3.1

Dimensions (mm)

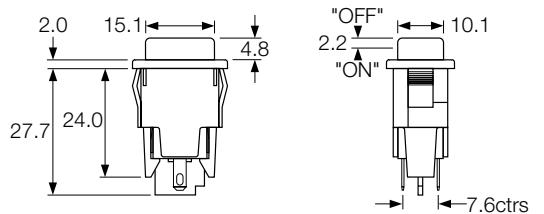
T1100AA (Enclosure mounting)



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.

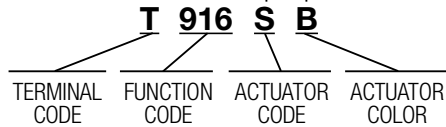
Technical data on pages 4 & 5.

- ▶ 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)

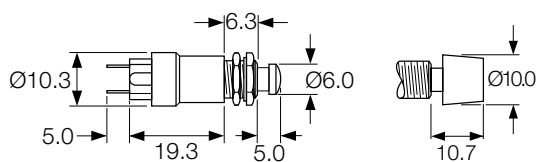


ORDER FORMAT

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

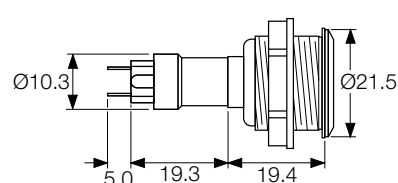
Dimensions (mm)

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

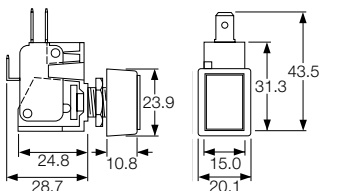
TERMINAL FUNCTION ACTUATOR ACTUATOR
CODE CODE CODE COLOR

ORDER FORMAT

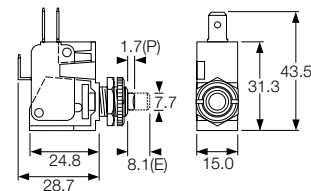
TERMINAL	FUNCTION	ACTUATOR	BODY	OPTIONS
<p>343</p> <p>12.5 6.3 x 0.8</p>	<p>40350</p> <p>9.9 4.8 x 0.5</p> <p>ON - ON (momentary 1 side)</p>	<p>R Rectangular bezel</p> <p>P Short</p> <p>K with satin chrome bezel M with nylon bezel</p> <p>V Vandal resistant</p>	<p>Ø12.7 11.1</p> <p>Panel Cut-out (N/A for V actuator)</p> <p>Panel thickness Both nuts 2.5mm No backnut 4.0mm</p>	<p>Color Call factory for custom colors A full range is available for large orders</p> <p>Cover M323 Available for "P" actuator only</p>
<p>345</p> <p>9.9 4.8 x 0.5</p>		<p>Stainless steel chamfer profile bezel</p> <p>Ø19.2</p> <p>Panel Cut-out (for V actuator only)</p> <p>Panel thickness 8.0mm</p>		
<p>342</p> <p>6.4</p> <p>Solder</p>		<p>Covers have internal nylon nut</p>		

Dimensions (mm)

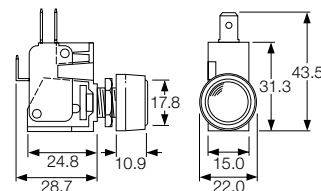
R



P & E



K & M



V Vandal resistant designed to IP66

