

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 ---

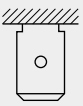
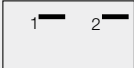
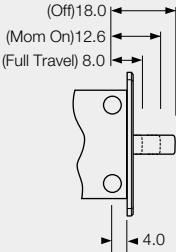
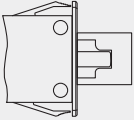

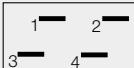

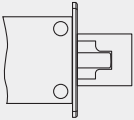
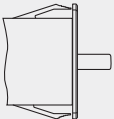
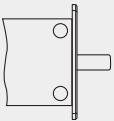
NEW PRODUCT

Please contact the sales office for availability.

ORDER FORMAT

04102-001

TERMINAL FUNCTION ACTUATOR BODY

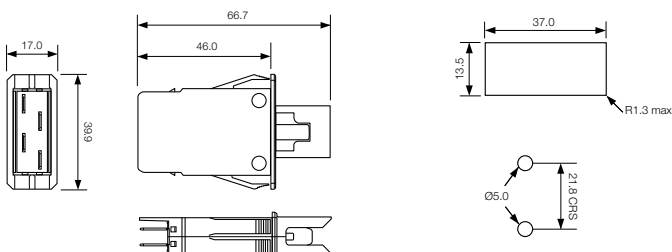
▶ TERMINAL	▶ FUNCTION	▶ ACTUATOR	▶ BODY
<p>C</p>  <p>6.3 x 0.8</p>	<p>Single 4101</p> 	<p>A</p> 	<p>A</p> 
<p>H</p>  <p>4.8 x 0.8</p>	<p>Double 4151</p>   <p>OFF - ON (momentary)</p>		<p>B</p>  <p>C</p>  <p>D</p> 

Accessories

Locking key: M1395

Connector: M1396 (for C terms only)

Dimensions (mm) C4151AA



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



10(10)A 250Vac



RoHS compliant

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

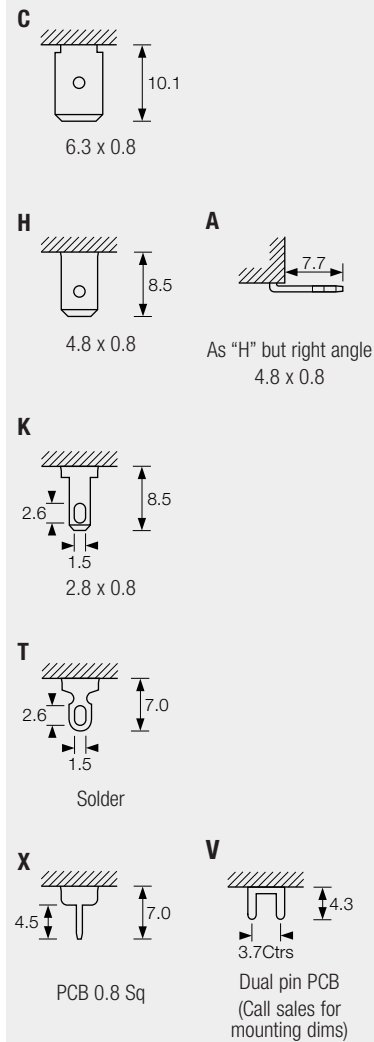
NON-LIT		LIT	
B BLACK	B BLACK	A AMBER	2 125V NEON
R RED	R RED	C CLEAR	3 250V NEON
W WHITE	W WHITE	G GREEN	7 12V INCANDESCENT
		R RED	

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

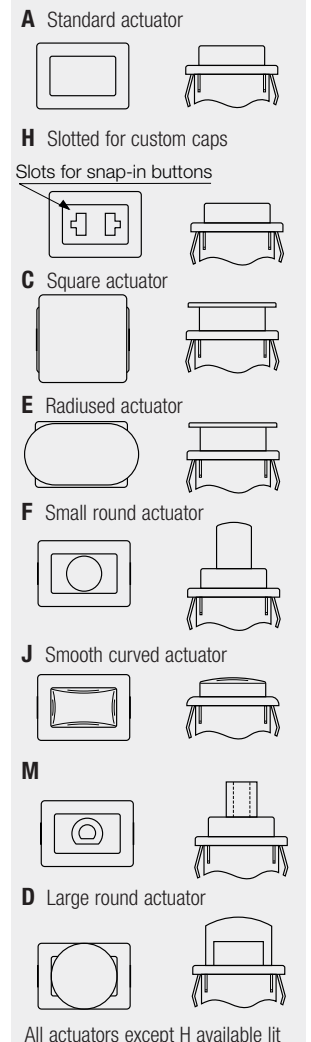
TERMINAL



FUNCTION

FUNCTION CODE	DESCRIPTION	TERMINAL CODE	ACTUATOR CODE
8300	ON - OFF Single pole	1, 2	A
8301	ON - OFF (momentary ON) Single pole	1, 2, 3	A
8303	ON - OFF with light Single pole	1, 2, 3, 4	A
8304	ON - OFF (momentary ON) with light Single pole	1, 2, 3, 4	A
8350	ON - OFF Double pole	1, 2, 3, 4	A
8351	ON - OFF (momentary ON) Double pole	1, 2, 3, 4	A
8353	ON - OFF with light Double pole	1, 2, 3, 4	A
8354	ON - OFF (momentary ON) with light Double pole	1, 2, 3, 4	A
8355	ON - OFF Single pole Isolated light - switched C, E & M actuators only	1, 2, 3, 4	A
8356	ON - OFF Single pole Isolated light - unswitched C, E & M actuators only	1, 2, 3, 4	A

ACTUATOR



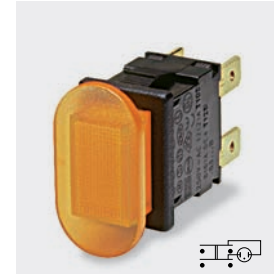
push switches



H8350AB ---
T8350AB ---



H8353JE ---
T8353JE ---



H8353EB ---
T8353EB ---



H8353CB ---
T8353CB ---



H8350DB ---
T8350DB ---

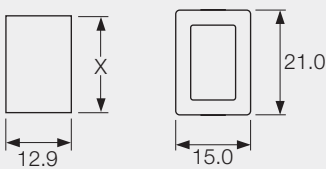


H8350HB ---
Example of button

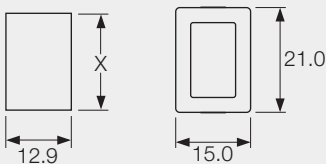
BODY

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

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

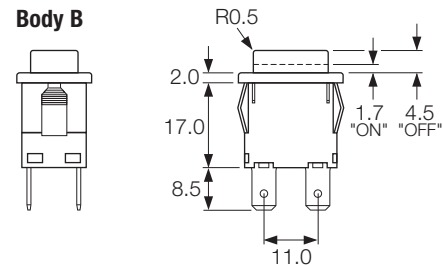
L167 Protective cover
(designed to IP65)



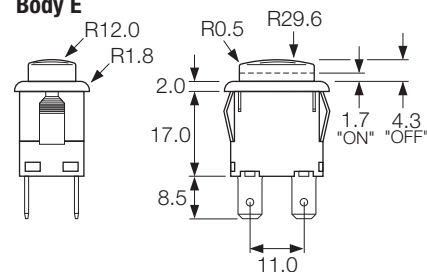
Snaps on to switch bodies fitted with "A" or "J" style actuators but increases effective panel thickness by 0.8mm

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 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)



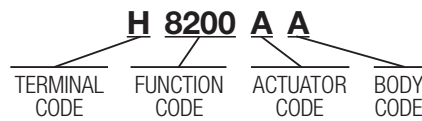
12A 250Vac
 250Vac 1hp, 125Vac 1/2hp
 UL 85°C, file E45221, CSA file LR10990



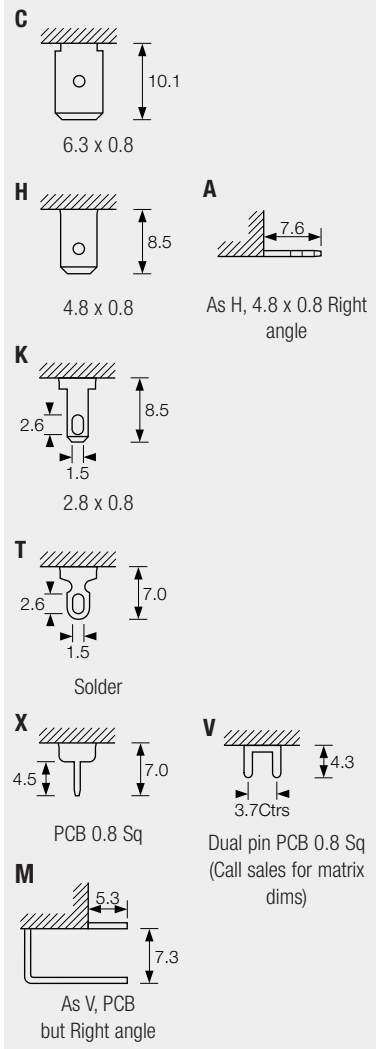
RoHS compliant

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

ORDER FORMAT



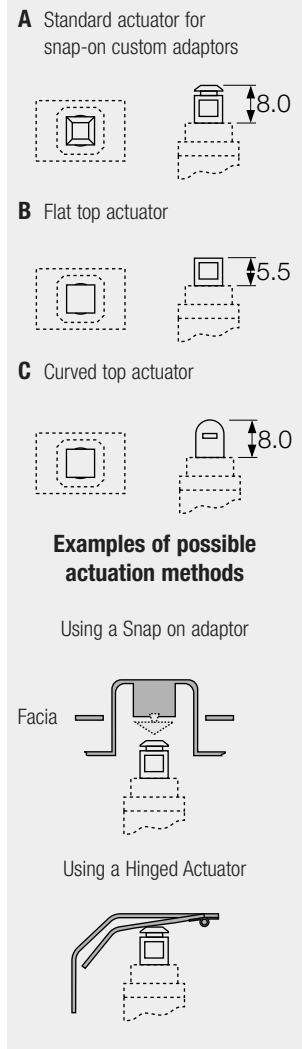
TERMINAL



FUNCTION

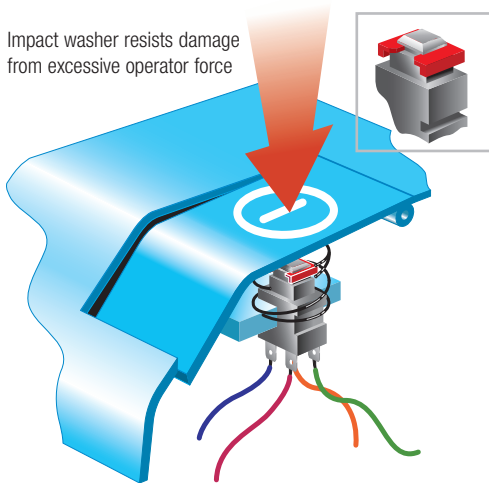
FUNCTION CODE	DESCRIPTION	SYMBOL
8200	ON - OFF Single pole	
8201	ON - OFF (momentary ON) Single pole	
8250	ON - OFF Double pole	
8251	ON - OFF (momentary ON) Double pole	

ACTUATOR



Alternative Actuator

Impact washer resists damage from excessive operator force



C8250AA ---
with impact washer M1226



X8201AA ---



K8200AA ---



A8200AA ---



M8200AC ---

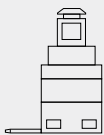


Example of M8200AC

push
switches

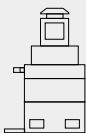
BODY

A Standard body



See dimensioned drawings for details

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

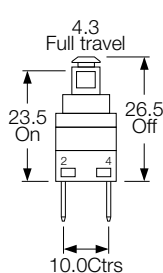
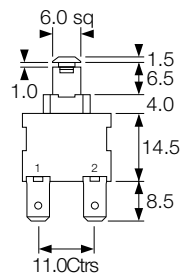
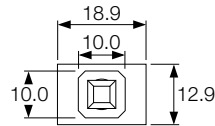


See dimensioned drawings for details

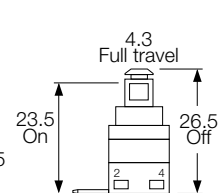
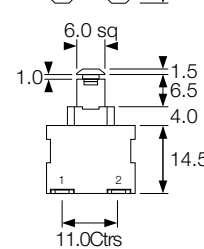
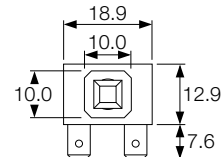
X and V PCB terminals.
Additional dummy terminals may be supplied
for extra support.

DIMENSIONS (mm)

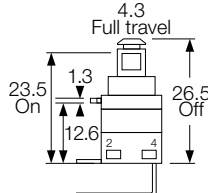
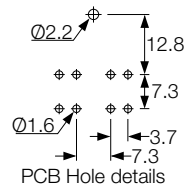
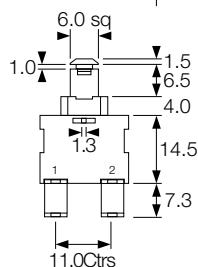
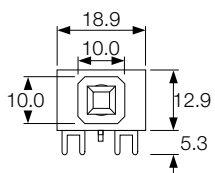
'A' body with 'H' 4.8 terminals



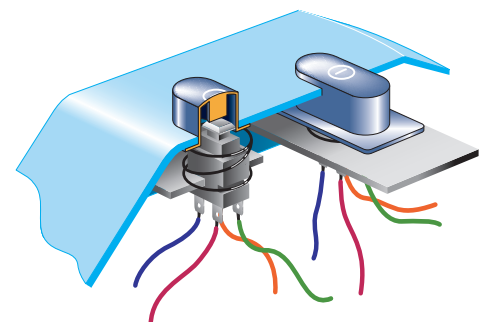
'A' body with 'A' right angle 4.8 terminals



'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).

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

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 6.3 x 0.8 9.1	7000		Single pole ON - OFF	A Round actuator shown in F body
	7001		Single pole ON - OFF (momentary ON)	A Round actuator shown in G body
	7003		Single pole ON - OFF with light	B Round actuator - medium shown in F body
	7004		Single pole ON - OFF (momentary ON) with light	C Round actuator - long shown in F body
	7050		Double pole ON - OFF	D Round actuator - sub panel mount
	7051		Double pole ON - OFF (momentary ON)	S Rectangular actuator Shown in "A" body N/A for 7030
	7053		Double pole ON - OFF with light	
H 4.8 x 0.8 9.1	7054		Double pole ON - OFF (momentary ON) with light	
	7030		Indicator 	



C7000AF ---



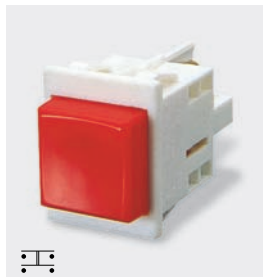
C7003AF ---



C7053CF ---



C7053BF ---



C7050SA ---



C7053AG ---



C7053DF ---



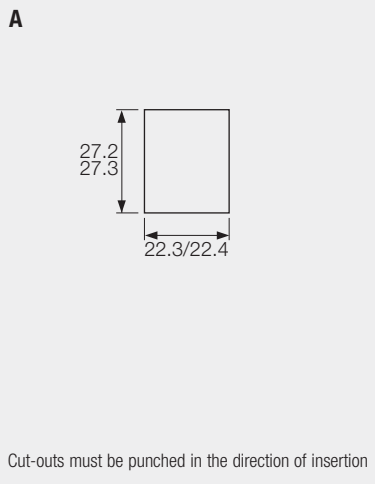
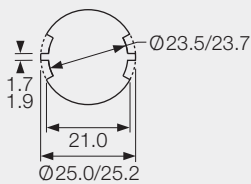
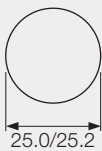
C7030AH ---

push switches

BODY

Panel cut-outs

F H G Body types fit either cut-out



OPTIONS

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

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

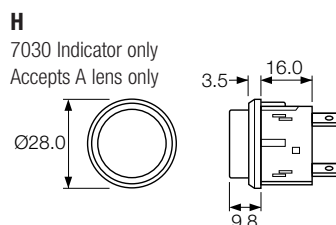
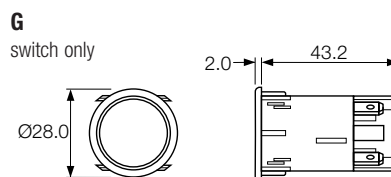
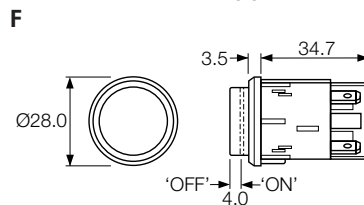
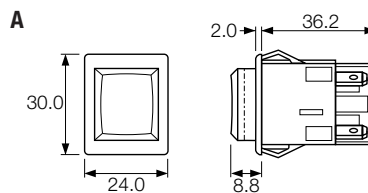
Legend printing
 A wide range is available or call the factory for custom legends

Lamp voltage
 Call factory for details of other available voltages

Weatherproof housing (E)
 Additional housing which fits round body switches with an oversize housing with a clear silicone cover designed to IP65. Mounting hole dia: 38.0mm

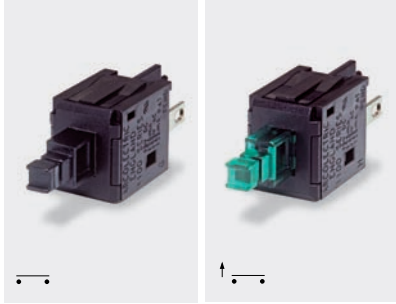
DIMENSIONS (mm)

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



1100 Push Button Switches 0.125A 125Vac

push switches



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

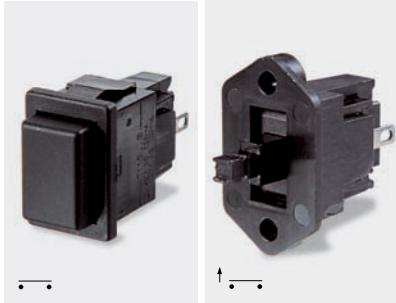
In house test

0.5A 250Vac T85



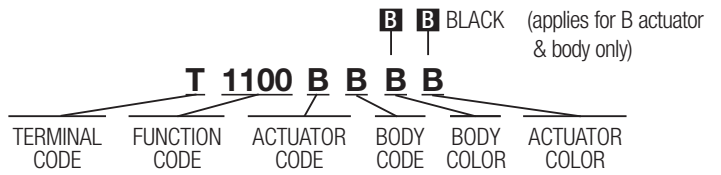
RoHS compliant

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



T1100BB --- T1100AC ---

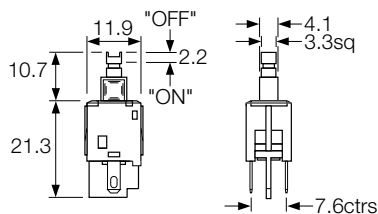
ORDER FORMAT



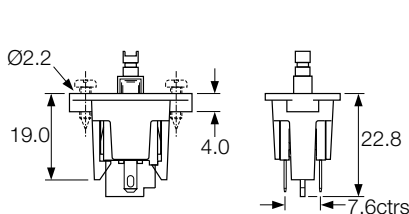
TERMINAL	FUNCTION	ACTUATOR	BODY
T	 1100 ON - OFF (alternate) Single pole 1101 ON - OFF (momentary ON) Single pole	A Actuator without button B Softline button 	A For purpose designed facias and sub-panels B Snap-in fixing Panel thickness Dimension X 0.75-1.24 19.1/19.2 1.25-1.99 19.3/19.4 2.00-3.00 19.7/19.8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

Dimensions (mm)

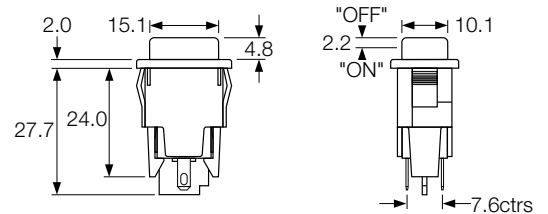
T1100AA (Enclosure mounting)



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



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



916 - 920 Push Button Switches 0.5A 250Vac

In house test

0.5A 250Vac T85

RoHS

RoHS compliant

μ contact gap.

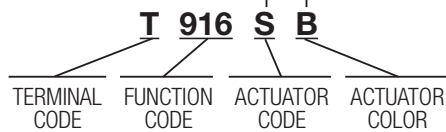
Technical data on pages 4 & 5.

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



T916S0 --- & T916L0 ---
T916VA ---

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

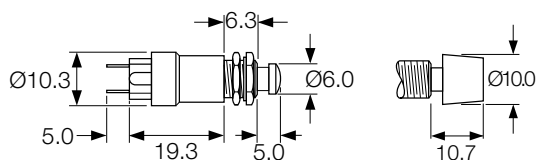


ORDER FORMAT

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

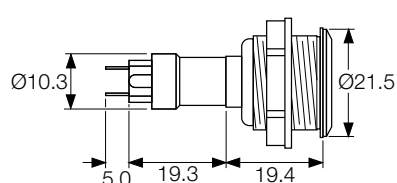
Dimensions (mm)

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

380 Push Button Snap Action Switches 16(4)A 250Vac



383 2510 K BL



383 2510 RR 383 2510 PR

- ▶ 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

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.

- 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

383 2510 K BL

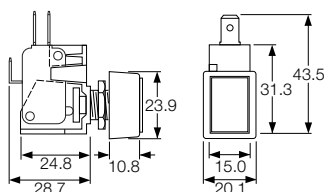
TERMINAL FUNCTION ACTUATOR ACTUATOR
CODE CODE CODE COLOR

▶ **ORDER FORMAT**

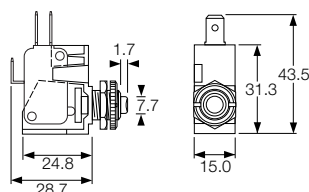
▶ TERMINAL	▶ FUNCTION	▶ ACTUATOR	BODY	▶ OPTIONS
<p>383</p> <p>6.3 x 0.8</p> <p>12.0</p>	<p>ON - ON (momentary 1 side)</p>	<p>R Rectangular bezel</p> <p>P Short</p> <p>K with satin chrome bezel</p> <p>M with nylon bezel</p>	<p>Panel Cut-out</p> <p>Panel thickness Both nuts 2.5mm No backnut 4.0mm</p>	<p>Color</p> <p>Call factory for custom colors A full range is available for large orders</p>

Dimensions (mm)

R



P & E



K & M

