

8300 Push Button Switches

12A 250Vac



Ratings Information

12(2)A 250Vac T105 1E4 (10,000 Operations)

6(6)A 250Vac T125 5E4 (50,000 Operations)

8(8)A 250Vac T105 5E4 (50,000 Operations)



12A 250Vac DP, 13A 250Vac SP

1hp 250Vac, 1/2hp 125Vac

UL 85 °C, file E45221

CSA file LR10990

3mm contact gap.

Examples



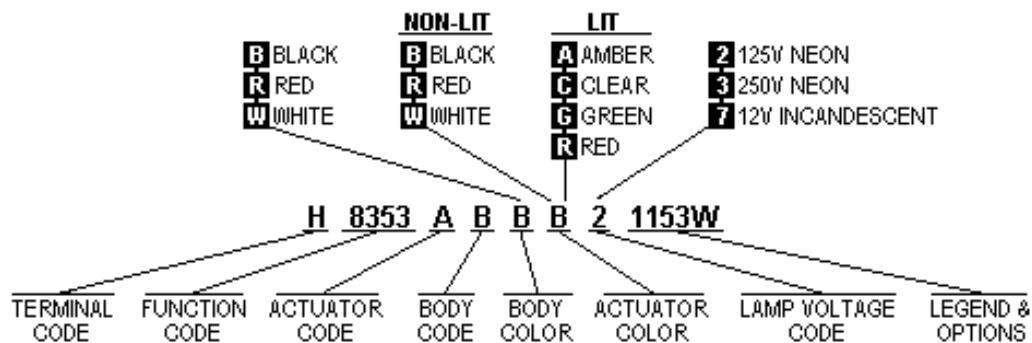
H8350AB
T8350AB



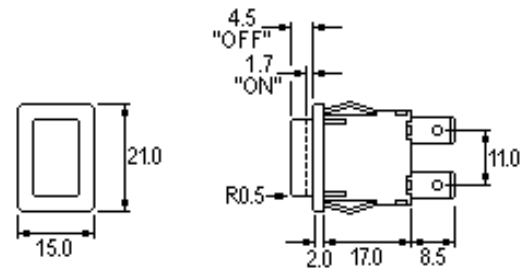
H8353AB
T8353AB



Order Format

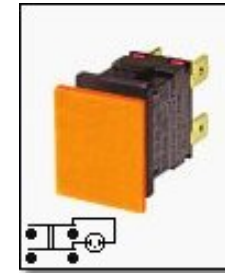


Dimensions



Spacing between center of terminals 1 & 3 or 2 & 4 is 10.mmm

H8353EB
T8353EB



H8353CB
T8353CB



H8350DB
T8350DB

Examples of Legend Printing () is legend color B-Black, W-White, R-Red



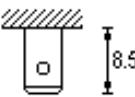


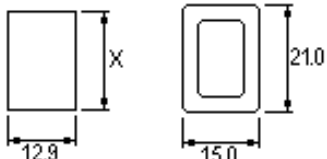

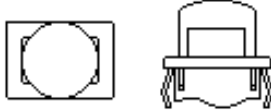
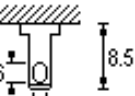


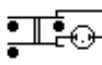
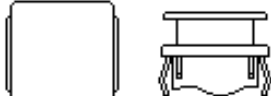
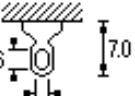
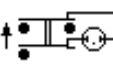


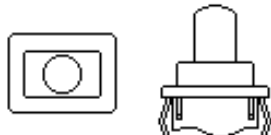
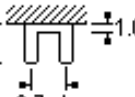

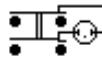
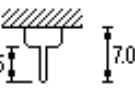
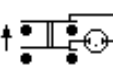
1153(W)



1152(W)



H8350HB
Example of actuator

TERMINAL CODE	SWITCH FUNCTION CODE		ACTUATOR CODE	BODY CODE	OPTIONS
H  4.8 x 0.8	<i>Approvals & ratings vary with function</i> Single pole switches use terminals 1 & 2 (& 3)			A Standard button 	Panel cut-out Flange B Standard body with terminal barrier  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
	8300 ON - OFF Single pole		D Custom profile button 		
K  4.8 x 0.8	8301 ON - OFF (momentary ON) Single pole		H Slotted for special custom buttons Slots for snap-in buttons 		
	8303 ON - OFF with light Single pole		C Square lens 		
T  4.8 x 0.8	8304 ON - OFF (momentary ON) with light Single pole		E Radiused button 		
	8350 ON - OFF Double pole		F Small round button 		
V  Dual pin PCB 0.8 Sq	8351 ON - OFF (momentary ON) Double pole				
	8353 ON - OFF with light Double pole				
X  PCB 0.8Sq.	8354 ON - OFF (momentary ON) with light Double pole				


Finish
Matt finish only

Color
Consult 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.

Moisture resistant covers (IP65)



Will snap on to switch bodies fitted with A style actuators. This reduces panel thickness by 0.8mm. Ask for cover L167

Technical Information

Most major technical information is shown on the page covering the specific product, other details are grouped here for easy reference.

The details shown apply to all Switches and Fuseholders. For electrical products, Indicators or IEC sockets see the individual product page.

Materials

Body and actuator (opaque)

Actuator (transparent)

Current carrying parts

Contact points

Most Products Expectations

Nylon 6.6

Polycarbonate

Copper Alloy

Silver Plated

Silver Alloy

900 & 380 Vandal options are stainless steel

n/a for 55/56 & 2000, Gold plated for 1100

Properties - Electrical

Electrical Life (operations)

Contact Resistance (switches) new condition
(m ohms)

Contact Resistance (fuseholders) new condition
(m ohms)

Insulation Resistance (M ohms)

Dielectric Strength: (kV)

across open contacts

between poles

between live parts and accessible metal

Comparative Tracking Index (CTI)

> 10k, many > 50k See relevant page for details

< 100 (at 12Vdc, 1A)
1100, 2000 contact factory

5 (average)

> 20

> 1

> 3

> 4

> 250

Properties - Physical

Humidity Resistance at 91-95% relative humidity
(to subsequently comply with requirements of dielectric
strength test) (hrs)

Impact Resistance (Nm)

Storage term 5 year period (°C)

Flame Retardancy:

Standard

On Request

Solderability to BS 2011 pt.2.1T -

Angular movement $\pm 4^\circ$ overall (where applicable)

Force to operate (Kg). For details contact Sales office

Fixing nut torque (where applicable)

48

> 0.5

< 125

UL94V2

UL94V0

6 secs at 350°C

38°

0.2 - 2.0

1.0Nm (8.91 lb/in)

Some discoloration of terminals may occur

Polycarbonate actuators - UL94V2 only

Not all colors or variants

1250, 6000, 8500, 8550, 8600, 8650, 8800 -
26°

General Information

All switches

Insulation Class II.
Heat and Fire resistance Category D.
Ingress Protection without cover IP40.
DC ratings are not approved.

All products

Panel holes must be punched in direction unit
is to be fitted

Illuminated rockers and indicator lights

Transparent lenses on indicator lights and
illuminated switches are moulded in polycarbonate,
a material which is attacked by organic chemicals
and animal or vegetable fats.

Please contact the factory for advice on these
products.

Weights of our most frequently supplied products

Product	gms	Product	gms	Product	gms
0055.0056	5.7/6.8	1350	11.2	5567	14.3
0305	32.9	1500	5.7	6050	13.6
0333	4.5	1520	6.6	6053	14.2
0345	8.9	1550	11.2	7000	10.4
0380 sw only	7.12	1553	11.8	7050	12.3
0383K/P	25.0	1570	12.7	7053	12.9
0392	10.7	1584-1589	11.1	8250	4.9
0430	5.5	1700H	8.4	8300	4.0
0589	3.5	1750H	13.2	8350	5.0
0692	51.8	17500	25.6	8353	5.9
0711-1S	16.6	2000 2pos C SP	3.8	8500	3.8
0712-S	27.8	2000 2pos C DP	4.5	8550	4.8
0717-1S	22.4	2000 5pos A SP	6.3	8553	5.2
0900S/L	2.6/2.9	2000 5pos A DP	7.3	8600	3.5
1048	2.8	T2225B	5.0	8620	4.3
1100	2.0	2950	5.3	8650	6.3
1250SP	5.9	3111	11.8	8670	8.5
1250DP	7.0	5500	7.1	8800	2.9
1300	5.7	5503	7.8	9100	21.1

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