

8600 Rocker Switches - Miniature 10A 250Vac Single & Double Pole



10(4)A 250Vac T90 (unless noted below)



UL CSA See ratings below
UL 65°C, file E45221, CSA file LR10990

In house test

Inrush 25A to EN61058-1 & 10A 28Vdc

3mm contact gap except where marked μ
Technical data on pages 4 & 5 (switches), 66 (indicators)

H 8653 V B ---
TERMINAL FUNCTION ROCKER BODY PRINT, COLOUR, VOLTAGE ETC

TERMINAL	FUNCTION	ROCKER
H 4.8 x 0.8 7.4	Approvals & ratings vary with function On Off Switches are ON when pressed over terminal 3 	V Curved
T 3.5 x 0.8 Solder 6.4	8600 $\blacklozenge$ 10(4)A 16A 250V, 10A 277V ON - OFF	8650 $\blacklozenge$ 10(4)A 10A 277V
X 3.7 0.8 Sq PCB* 5.3	8601 6(1)A 16A 250V, 6A 277V ON - OFF (momentary ON) 8602 10A 16A 250V, 10A 277V ON - OFF (momentary OFF)	8651 6(1)A 6A 277V ON - OFF (momentary ON) 8652 10(4)A 6A 277V ON - OFF (momentary OFF)
Y 1.3 x 0.8 Right angle PCB 6.0 Contact the factory for details	8610 $\blacklozenge$ 6(1)A 10A 277V ON - ON 8611 6A 277V ON - OFF (momentary 1 side) 8620 μ See page 14 ON - OFF - ON 8630 	8653 10(4)A 6A 277V ON - OFF Lit 8660 $\blacklozenge$ 6(1)A 10A 277V, 1/2HP 277V, 1/2HP 250V, 1/4HP 277V ON - ON 8661 6A 277V ON - OFF (momentary 1 side) 8670 μ See page 14 ON - OFF - ON
NEW *Switches with "X" terminals are supplied without terminal barriers		D Paddle lever (Single pole non-lit only)
		F Flat Indicator only (Single pole)



H8600VB ---
T8600VB ---



H8600VB ---
T8600VB ---



H8630FB ---
T8630FB ---



H8650VB ---
T8650VB ---



H8660VB ---
T8660VB ---



H8653VB ---
T8653VB ---

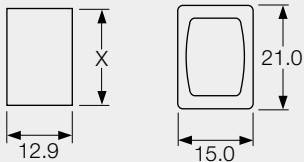
BODY

Panel cut-outs

Flange

Cut-outs must be punched in the direction of insertion

B Single pole

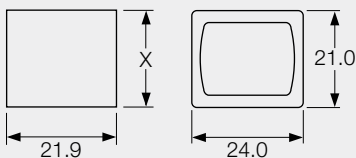


Single Pole dimensions for snap-in fixing

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

B (Double Pole) with terminal barrier

BC (Double Pole) w/o terminal barrier



Double Pole 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

OPTIONS

Finish

Matt finish only

Colour

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

Legend printing

Select from the examples or call the factory for custom legends

Lamp voltage

Call factory for details of other available voltages

Blanking plate A8634FB

Dummy unit to fill unused panel holes
Single pole size only

Protective covers

L167 for SP

L180 for DP

(designed to IP65)
Snap on to bodies with V rocker or F lens
but reduce panel thickness by 0.8mm.
Not for use with momentary types

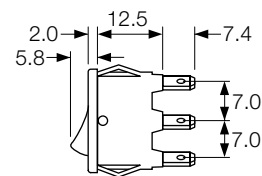


Single Pole options

Most switches shown can have single pole switching in double pole bodies

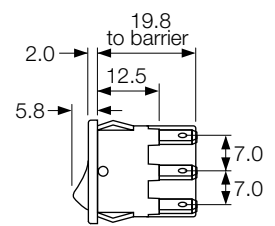
DIMENSIONS (mm)

Single pole



Terminals shown
are "H" 4.8 push on type

Double pole



Terminal spacing
10.2 between pole centres

For 8620 and 8670 see page 14

Examples of printing



CL076



CL080



CL141



CL142



CL059



CL058

Technical Information - Switches and Fuseholders

Most major technical information is shown on each specific product page, other details are grouped here for easy reference. Details shown here apply to most switches and fuseholders.

Snap-action switches (pages 42, 45 and 48-51), indicators (pages 66-78) and connectors (pages 79-81) have product specific information within the section.

MATERIALS	MOST PRODUCTS	EXCEPTIONS
Body and actuator (opaque)	Nylon 6.6	8300V, 1900V, 0916V & 0911V bezels & actuators are stainless steel 0600 and 3900 actuators are plated brass
Actuator (transparent)	Polycarbonate	
Current carrying parts	Copper Alloy	
Contact points	Silver Alloy	N/A for 0055/56, 0600/2, 0916-0920, 0017, 2000 & 3005/3006. Gold plated for 1100.

PROPERTIES

Electrical

Class II compliant	Confirmed	IEC Sockets
Electrical life (Operations)	>10k, many >50k	See relevant page for details
Contact resistance (switches) new condition	<100mΩ (at 12Vdc, 1A)	For 1100 & 2000 call factory
Contact resistance (fuseholders) new condition	.5mΩ (average)	
Insulation resistance	>20mΩ	
Dielectric strength:		
across open contacts	>1kV	
between poles	>3kV	
between live parts and accessible metal	>4kV	
Comparative Tracking Index (CTI)	>250	
Temperature rise (terminals) at end of rated life	max 30°K (UL 1054), max 55°K (EN 61058-1)	

PROPERTIES

Physical

Humidity resistance at 91-95% relative humidity (to subsequently comply with requirements of the Dielectric strength test)	48hrs	
Impact resistance	>0.5Nm	
Storage temp. (1 year period)	<125°C	Some discolouration of terminals may occur
Flame retardancy	UL94V2	
Solderability to BS 2011 pt.2.1T - (with an iron)	6 secs at 350°C	
Angular movement ± 4° overall (where applicable)	38°	1250, 6000, 8500, 8550, 8600, 8650, 8800 - 26°
Force to operate	2.0N - 20.0N	Call factory for specific values
Fixing nut torque (where applicable)	1.0Nm (8.91 lb/in) nom.	Call factory for specific values

GENERAL INFORMATION

ALL SWITCHES

Heat and Fire resistance Category D.
Ingress Protection without cover is IP40.
Higher ratings where available will be shown on the relevant catalogue page.

ALL PRODUCTS

Solder terminals should not be fitted with “Push on”, “QD” or “Fast on” type cable connectors.

Panel holes must be punched in the direction of insertion.

Items marked ♦ on the following pages are assembled automatically.
This ensures the highest attainable quality at a competitive price.

All products should be applied, installed and maintained by the customer using competent persons in accordance with good electrical practice. Products should be tested by the customer in the application to ensure suitability. Special care should be taken not to expose switches to water, dust, corrosive chemicals, silicone, excessive solder flux, cyanoacrylate adhesives, severe impact, extremes of temperature, electrical supply voltage or load current in excess of the specified limits.

Transparent lenses on indicator lights and lit 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.

For performance in accord with the stated ratings, switch actuators should be fully depressed and fully released during operation.

WEIGHTS OF OUR MOST FREQUENTLY SUPPLIED PRODUCTS, not including packaging.

Product	gms	Product	gms	Product	gms	Product	gms	Product	gms
0055, 0056	5.7/6.8	1048	2.8	1570	12.7	5500	7.1	8353	5.9
0305	32.9	1091FH	12.6	1584-1589	11.1	5503	7.8	8500	3.8
0333	4.5	1091FL	52.8	1700H	8.4	5567	14.3	8550	4.8
0345	8.9	1100	2.0	1750H	13.2	6050	13.58	8553	5.2
0340 sw only	7.12	1250SP	5.9	17500	25.6	6053	14.15	8600	3.5
0340K/P	25.0	1250DP	7.0	2000 2pos C SP	3.8	7000	10.4	8620	4.3
0430	5.5	1300	5.7	2000 2pos C DP	4.5	7050	12.3	8650	6.3
0589	3.5	1350	11.2	2000 5pos A SP	6.3	7053	12.9	8670	8.5
0711-1S	16.6	1500	5.7	2000 5pos A DP	7.3	8250	4.9	8800	2.9
0712-S	27.8	1520	6.6	T2225B	5.0	8300	4.0	9100	20.0
0717-1S	22.4	1550	11.2	2950	5.3	8350	5.0		
0900S/L	2.6/2.9	1553	11.8	3111	11.8	8350RP	34.0		