

Arcoelectric



Solutions for appliance & electronic appliances

						
technical data	rocker switches	lever switches	push switches	vandal resistant switches	snap-action & safety switches	slide switches
						
refrigerator switches	rotary switches	indicators	IEC sockets	fuseholders	electronics	indexes

appliance switches
 indicator lamps
 fuseholders
 IEC sockets
 electronics

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profile



Arcoelectric worldwide

Arcoelectric, established in 1932, offer solutions for appliance and electronic applications specialising in the manufacture of appliance switches, indicator lights, fuseholders and integrated electronic devices for a wide variety of products from computers to coffee machines and lighting to laser printers.

We have three primary manufacturing areas located in Surrey England, Shenzhen China and Tunis North Africa. Virtually all of our piece parts are manufactured in our own facilities, including; mouldings, springs, pressings and turnings. This allows us to be flexible to particular customer demands and requirements.

Arcoelectric is a trading name of Elektron Components Ltd, part of the Elektron PLC group of companies.

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production



6 Million Products

Every month we assemble over six million switches, indicator lights, fuseholders and IEC sockets.

3 Manufacturing Centres

Almost all component parts used in our products - mouldings, pressings, springs and turned parts, are manufactured in our own production centres, then assembled and tested automatically.

International Manufacturing

Our three manufacturing sites in the UK, Tunisia and China are responsive to global supply chains.

52 Injection Moulding Machines

Working at pressures up to 80 tons, our moulding machines deliver over 250 million components each year.

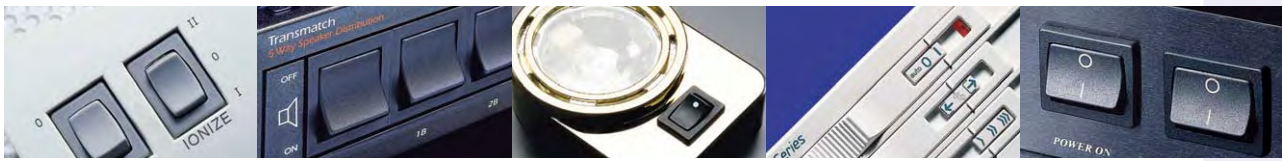
60,000 Miniature Springs

Some only a millimetre or so in diameter, are wound each hour. Every one will be measured and tested.

15 Power Presses

We manufacture over 200,000 contacts and terminals every hour.

production



Automated Testing

Each assembly machine tests the electrical and mechanical function of every completed product.

10,000,000 turned parts/year

Stainless steel and brass components manufactured on high precision CNC machines operating 24 hours a day.

Tooling - In-house

A fully equipped toolroom manufactures and maintains the jigs, press and mould tools we use each day.

Flexibility of response

Twenty-four hour running allows a positive response to customer requests and ensures a competitively priced finished product.

Research & Development

Our designers will work with you to achieve practical solutions which satisfy your particular design criteria.

Specials

For colour matching and special printing, our flexible in-house production will provide a competitive solution.

Arcoelectric is the largest manufacturer of appliance switches in the UK and is a globally recognised brand.

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 48-49, 51 and 56-59), indicators (pages 70-84) and connectors (pages 85-87) 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
Mechanical life (Operation) . . . . .	.See relevant page for details	
Contact resistance (switches) new condition	<100mΩ (at 12Vdc, 1A) . . . . .	.For 1100 & 2000 call sales
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 sales for specific values

INGRESS PROTECTION

IP40 unless otherwise stated.

Higher ratings where available will be shown on the relevant catalogue page.



GENERAL INFORMATION

ALL SWITCHES

Heat and Fire resistance Category D.

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.

μ = micro gap switch contacts <3mm.

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



The majority of Arcoelectric indicator lights can be supplied with alternative light sources:

Neon, Fluorescent, Filament lamp or LED.

NEON and FLUORESCENT LAMPS

Colours

Available with Red, Amber, Green, Blue or Clear lenses.

Maximum striking voltages

Standard brightness types 65Vac 90Vdc.

High brightness types 85Vac 135Vdc.

High brightness types are usually fitted.

Life

Typically 25,000 hours (Green fluorescent lamps 20,000 hours). (Measured to a point when the light output of the lamp is half its original level.)

The end of life for a neon lamp is not usually a sudden failure.

False signals due to long wiring

It is possible for neon or fluorescent tubes to glow when they should be off. The false signal is caused by the capacitance effect of fairly long wiring to the indicator being adjacent to other live cables. This effect can be prevented in most cases by fitting a 100k resistor across the supply wires close to the indicator assembly.

MATERIALS

Moulded bodies and bases	Nylon 6.6
Metal bodies and bezels	Chrome plated brass (except #)
Lenses	Polycarbonate
Terminals (most types)	Brass (electro-tin plated)
Terminals (exceptions)	Brass (flash silver* or nickel** plated)
Threaded metal nuts	Brass (nickel plated on 0275/7)
Other fixings	Call sales for details

* R9, 0061, 0062, 0430, 0480, 1090, 1091, 6030, 7030, 8630, 8580

** # 3130, 3160, 3161, 3221 have nickel plated terminals with steel screws and plated polyamide bezel trims

FILAMENT LAMPS

Colours

Available with Red, Amber, Green, Clear or Blue lenses.

LEDs - DC

Colours

Red, Yellow, Green, Blue and White.

Voltage

Basic voltage 2.0/2.2V. Some items are available with integral resistors for 12V use. For details of resistors required for higher voltages, please call sales.

Current

Maximum continuous forward current 20mA.

Life

>100,000hrs

LEDs - AC

Colours

Red, Yellow, Green, Blue and White.

Voltage

Rated up to 230V ac, suitable for use at 110V and 230V ac.

Current

<3mA

Life

>100,000hrs

TEMPERATURE RATING

Authority	with Terminals	with Wire leads	
		PVC	SILICONE
European	T125°C	T105°C	T125°C
UL	T65/75°C	T65/75°C	

SYMBOLS



Terminals
C 6.3, H 4.8, K 2.8



Wire leads
200mm long Standard



Solid wires
LED only



Panel hole size



Panel thickness



Temperature rating



DEGREE OF PROTECTION TO BS EN60529/DIN 0470

IP Ratings Guide

The IP classification system designates the degree of protection provided by an enclosure against solid objects or water ingress.

Table I shows degrees of protection against solid objects, Table II shows degrees of protection against water.

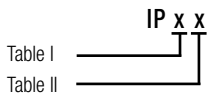


Table I (1st characteristic numeral)
Degree of Protection against solid objects

	0 Non-protected
	1 Protected against a solid object greater than 50mm, such as a hand.
	2 Protected against a solid object greater than 12.5mm, such as a finger.
	3 Protected against a solid object greater than 2.5mm, such as wire or a tool.
	4 Protected against a solid object greater than 1.0mm, such as wire or thin strips.
	5 Dust-protected. Prevents ingress of dust sufficient to cause harm.
	6 Dust tight. No ingress of dust.

Table II (2nd characteristic numeral)
Degree of Protection against water

	0 Non-protected
	1 Protected against dripping water.
	2 Protected against dripping water when tilted up to 15°.
	3 Protected against spraying water at an angle of up to 60°.
	4 Protected against splashing water from any direction.
	5 Protected against jets of water from any direction.
	6 Protected against heavy seas or powerful jets of water. Prevents ingress sufficient to cause harm.
	7 Protected against the effects of temporary immersion in water.
	8 Protected against the effects of continuous immersion in water.

Splashproof & Dust Resistant options for Switches

Suitability

A large number of Arcoelectric products have optional or designed-in resistance to moisture or dust. For detailed IP ratings call sales.

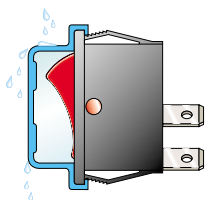
The suitability of these products for specific applications is subject to numerous factors including: mounting method and product orientation, air movement, pressure differential across the product, intensity of impinging liquid flow and application voltage.

Splashproofing does not imply total sealing, or resistance to corrosive atmospheres or substances.

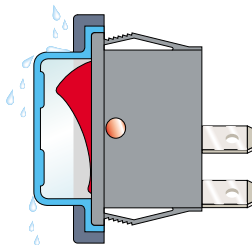
<p>Order code for splash/dust proofing options is shown under the illustration</p>	<p>Page 10</p> 	<p>Pages 12</p> 	<p>Pages 14</p> 	<p>Page 14</p> 	<p>Page 18</p> 
	<p>8800 Twin can be fitted with</p>  <p>L167 Push-on cover</p>	<p>8500 can be fitted with</p>  <p>L167 Push-on cover</p>	<p>8600 can be fitted with</p>  <p>L167 Push-on cover</p>	<p>8650 can be fitted with</p>  <p>L180 Push-on cover</p>	<p>6000 has integral water-thru feature and</p>  <p>G Snap-on cover option</p>

<p>Order code for splash/dust proofing options is shown under the illustration</p>	<p>Page 20</p> 	<p>Page 22</p> 	<p>Page 24</p> 	<p>Page 28</p> 	<p>Page 32</p> 
	<p>6050 has integral water-thru feature and</p>  <p>G Snap-on cover option</p>	<p>1500 and 1300 available with W or B Splashproof rockers or</p>  <p>G Snap-on cover</p>	<p>5503 can be fitted with</p>  <p>G Snap-on cover</p>	<p>1550 and 1350 available with W or B Splashproof rockers or</p>  <p>G Snap-on cover</p>	<p>R13 can be fitted with</p>  <p>L188 Push-on cover</p>

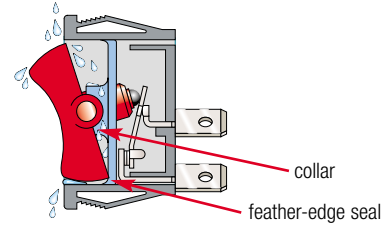
How they work



L167, L180, L188
Push-on splashproof/dustproof covers for rocker/push switches



G
Snap-on splashproof/dustproof cover & bezel for rocker switches



1500 W and 1500 B splashproof rockers
have internal feather edge seals and a close fitting collar to protect current carrying parts from moisture.
Option B has Hytrel moulded collar/seals for enhanced protection



The right system

The fitting of external covers or panel sealing washers will normally alter standard panel acceptance dimensions.

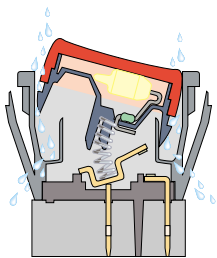
The fitting of external covers is not recommended for momentary (spring return) rocker or lever switches.

In all instances applications should be discussed with sales. We will advise you on the best system for your application.

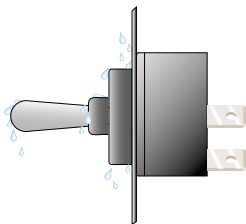
For full product details, dimensions and ratings refer to the catalogue page shown in the photograph (not to scale).

Order code for splash/dust proofing options is shown under the illustration	Page 34 	Page 36 	Page 38 	Page 40 	Page 47 
	3900 and 3950 have integral O-ring seal and can be fitted with	1700 and 1750 can be fitted with	0600 can be fitted with	8300 can be fitted with	0916V has integral seal
	 M539 or M1080 neck seal or cover	 M331, M539, M1080 covers or neck seals	 M331, M539, M1080 covers or neck seals	 L167 Push-on cover	

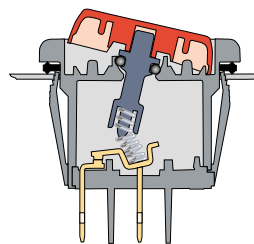
Page 49 	Page 50 	Page 51 	Page 63 	Page 64/65 
1900 has integral seal	8300V has integral seal	0911V has integral seal	3005 splashproof design	3100 and 3141 splashproof design
Page 34 	Page 30 			
3900 sealed	6100 sealed			



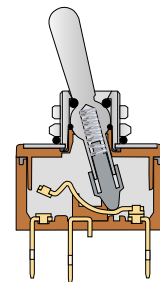
Integral Splashproofing
Integral splashproof system



Covers & Neck seals
(with nut fixing)
for lever switches



6100 series SP Waterproof Rocker Switches
IP67 Panel Seal



3900 series Sealed Metal Lever Switches
IP67 Panel Seal

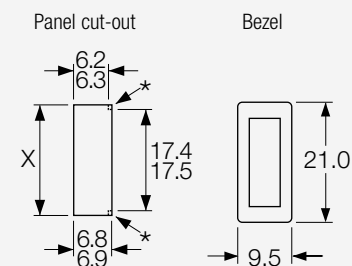




BODY

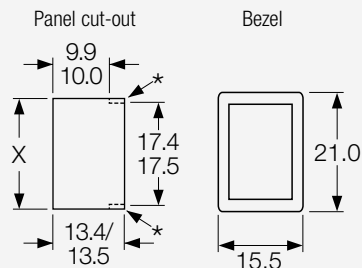
OPTIONS

A Single pole



*Optional profile for orientation

A Single pole - Twin



*Optional profile for orientation

Panel thickness	Dim 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

Cut-outs must be punched in the direction of insertion

Finish

Matt finish only.

Colour

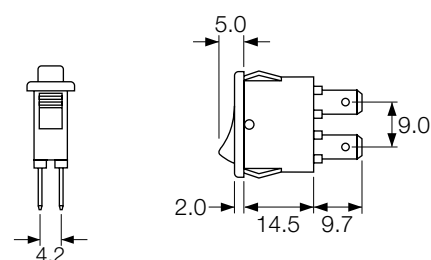
Call sales for custom colours.
A full range is available for large orders.

Legend printing

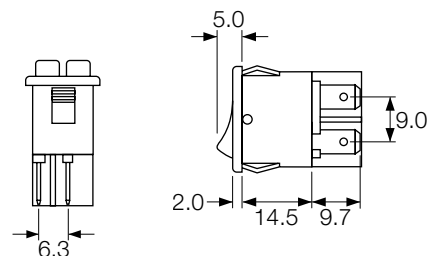
Select from the examples or call sales for custom legends.

Dimensions (mm)

8800VA (H terminals shown)



8800V/8800VA (H terminals shown)



Examples of printing



www.ermec.com

8500 Rocker Switches - Miniature 10A 250Vac Single & Double Pole

rocker switches



- ▶ Miniature rocker switch
- ▶ Ratings up to 15A, 250Vac
- ▶ High inrush tolerance
- ▶ Single & double pole in same body size
- ▶ Illuminated & non-illuminated
- ▶ Matching indicators
- ▶ Industry standard panel cut-out
- ▶ Rotary and push button accessories
- ▶ Panel cut out: 19.3 x 12.9



10(6)A 250Vac T125 (non lit types)
6(4)A 250Vac T125 5E4 (50,000 Operations) (non lit types)
10(6)A 250Vac T100 (lit types)



UL CSA 15A Non Ind 250Vac, 14A Ind 250Vac, 10A 277Vac
UL CSA 250Vac 1/2hp, 125Vac 1/4hp
UL 105°C, file E45221, CSA file LR10990

In house test

Inrush 85A to EN61058-1 & 10A 24Vdc



RoHS compliant

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



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H 8550 V B ---
TERMINAL FUNCTION ROCKER BODY PRINT, COLOUR, VOLTAGE ETC

TERMINAL	FUNCTION	ROCKER
<p>H</p> <p>4.8 x 0.8</p>	<p>Approvals & ratings vary with function</p> <p>ON OFF Switches are ON when pressed over terminal 1</p>	<p>H Slotted for custom adaptors</p> <p>Slots for snap-in buttons</p>
<p>K</p> <p>2.8 x 0.8</p>	<p>8500</p> <p>ON - OFF Single pole (Uses terminals 1a & 2a)</p>	<p>R Semi-rotary (not lit)</p>
<p>L</p> <p>2.8 x 0.8</p> <p>Right angle version of K terminal available on 8500 only</p>	<p>8503</p> <p>ON (lit) - OFF Single pole</p>	<p>D Paddle lever (not lit)</p>
<p>R</p> <p>4.8 x 0.8</p>	<p>8550</p> <p>ON - OFF Double pole</p>	<p>V Curved (not lit)</p>
<p>T</p> <p>4.8 x 0.8</p> <p>Solder</p>	<p>8553</p> <p>ON (lit) - OFF Double pole</p>	<p>V Curved (lit)</p>
	<p>8580</p> <p>Available with H terminals only</p> <p>Indicator</p>	<p>X Two colour (not lit)</p>
		<p>A Softline lens</p>
		<p>P Push button operation (8500 only) See drawing opposite</p>



H8500VB ---
T8500VB ---



H8550VB ---
T8550VB ---



H8550HB ---
T8550HB ---



H8550XB ---
T8550XB ---



H8550RB Semi-rotary
A splash proofing option



H8500PO ---
Pushbutton option



H8553VB ---
T8553VB ---

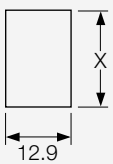


H8580AB ---

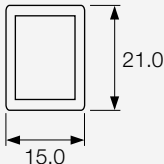
BODY

B
Standard body with terminal barrier

Panel cut-out

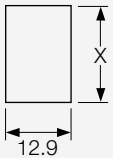


Bezel

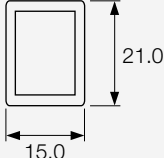


BC
Body without terminal barrier

Panel cut-out



Bezel



Dimensions for snap-in fixing

Panel thickness	Dim X
0.75-1.25	19.1/19.2
1.25-2.00	19.3/19.4
2.00-3.00	19.7/19.8

Cut-outs must be punched in the direction of insertion

OPTIONS

Finish
Matt finish only.

Colour
Call sales for custom colours.
A full range is available for large orders.

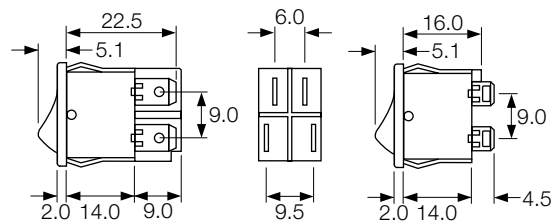
Legend printing
Select from the examples or call sales for custom legends.

Lamp voltage
Call sales for details of available voltages.

Protective cover L167
(designed to IP65)
Snaps on to bodies with V or X style rockers and A style lens, this reduces maximum acceptable panel thickness to 2.2mm.

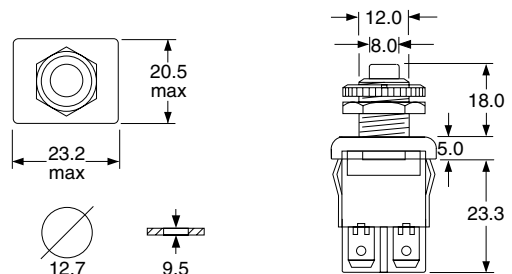


DIMENSIONS (mm)



"B" body with barrier for H, T and K terminals

"BC" body w/o barrier primarily for L or R terminals (can be used for all terminals)



'PO' Actuator and body - push button function (8500 only)

Examples of printing



CL076 www.ermec CL080

www.ermec.com

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

rocker switches



- ▶ Miniature rocker switch
- ▶ Ratings up to 16A, 250Vac
- ▶ Single & double pole
- ▶ ON/OFF, C/O, biased and centre off switching
- ▶ Push on, solder and PCB terminals
- ▶ Illuminated and non-illuminated
- ▶ Matching indicators
- ▶ Panel cut out
single: 19.3 x 12.9
double: 19.3 x 21.9



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 50A to EN61058-1 & 10A 24Vdc



RoHS compliant

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

H 8653 V B ---

TERMINAL FUNCTION ROCKER BODY PRINT, COLOUR, VOLTAGE ETC



Distribución de componentes eléctricos y electrónicos

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Fax: (+34) 902 433 088

ermec@ermec.com

www.ermec.com

TERMINAL	FUNCTION	ROCKER
H 4.8 x 0.8	Approvals & ratings vary with function ON OFF Switches are ON when pressed over terminal 3 	V Curved
T 3.5 x 0.8 Solder	8600 10(4)A 16A 250V, 10A 277V 1/2HP 277V, 1/4HP 125V 	8650 10(4)A 10A 277V 1/2HP 277V, 1/4HP 125V
T 3.5 x 0.8 Solder	8601 6(1)A 16A 250V, 6A 277V 	8651 6(1)A 6A 277V
T 3.5 x 0.8 Solder	8602 10A 16A 250V, 10A 277V 	8652 10(4)A 6A 277V
T 3.5 x 0.8 Solder	N/A	8653 10(4)A 6A 277V
X PCB 0.8 Sq	8610 6(1)A 10A 277V 1/2HP 277V, 1/4HP 125V 	8660 6(1)A 10A 277V, 1/2HP 277V 1/2HP 277V, 1/4HP 125V
X PCB 0.8 Sq	8611 6A 277V 	8661 6A 277V
X PCB 0.8 Sq	8620 μ See page 16	8670 μ See page 16
X PCB 0.8 Sq	8630 	H Slotted for actuator (8600 and 8610 only)
X PCB 0.8 Sq	8630 	F Flat Indicator only (Single pole)



H8600VB ---
T8600VB ---



H8600VB ---
T8600VB ---



H8630FB ---
T8630FB ---



H8650VB ---
T8650VB ---



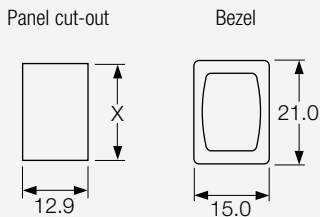
H8660VB ---
T8660VB ---



H8653VB ---
T8653VB ---

BODY

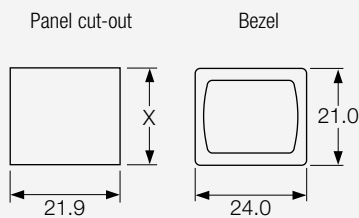
B Single pole



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

Cut-outs must be punched in the direction of insertion

OPTIONS

Finish

Matt finish only.

Colour

Call sales for custom colours. A full range is available for large orders.

Legend printing

Select from the examples or call sales for custom legend.

Lamp voltage

Call sales for details of 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, this reduces maximum acceptable panel thickness to 2.2mm.

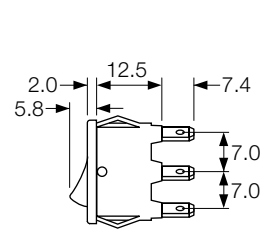


Single Pole options

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

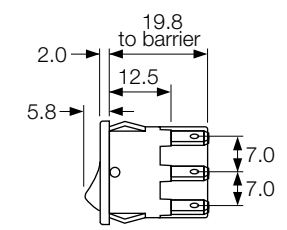
DIMENSIONS (mm)

Single pole



Terminals shown are "H" 4.8 push on type

Double pole



Terminal spacing 10.2 between pole centres

For 8620 and 8670 dimensions see page 16

Examples of printing



CL076



CL080



CL141



CL142



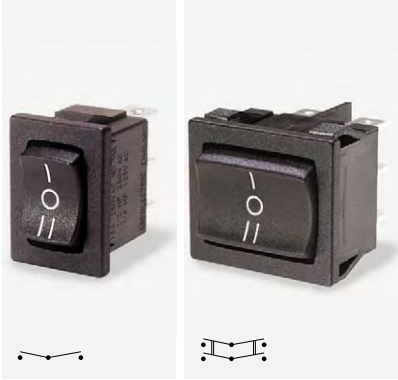
CL059



CL058

8620 & 8670 Rocker Switches - 3 Positions 10A 250Vac

rocker switches



- ▶ 3 position miniature rocker switch
- ▶ Ratings up to 15A, 250Vac
- ▶ Single & double pole
- ▶ Centre off switching
- ▶ Push on, solder and PCB terminals
- ▶ Matching indicators
- ▶ Bezel size
single: 19.3 x 12.9
double: 19.3 x 21.9



10(4)A 250Vac T90



- UL CSA 15A 277Vac (Single pole)
- UL CSA 250Vac 1/2hp (Single pole)
- UL CSA 125Vac 1/4hp (Single pole)
- UL CSA 10A 277Vac (Double pole)
- UL CSA 125/250Vac 1/2hp (Double pole)
- UL CSA 277Vac 1/2hp (Single & Double pole)
- UL 90°C, file E45221, CSA file LR10990

RoHS

RoHS compliant

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

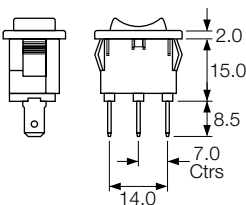


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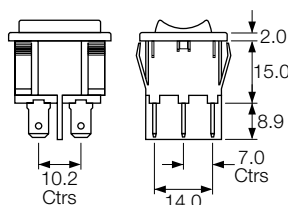
▶ TERMINAL	▶ FUNCTION	▶ ROCKER	▶ BODY	▶ OPTIONS
<p>H</p> <p>4.8 x 0.8 8.5</p>	<p>8620</p> <p>ON - OFF - ON Single pole</p>	<p>V Curved</p>	<p>B Single pole</p> <p>12.9 15.0 21.0 Dim X</p> <p>Panel thickness 0.75-1.24 1.25-1.99 2.00-3.00</p> <p>19.1/19.2 19.3/19.4 19.7/19.8</p>	<p>Finish Matt finish only.</p> <p>Colour Call sales for custom colours. A full range is available for large orders.</p> <p>Legend printing Select from the examples or call sales for custom legend.</p>
<p>T</p> <p>Ø2.15 6.4 Solder</p>	<p>8670</p> <p>ON - OFF - ON Double pole</p>	<p>H Slotted for actuator (8620 only)</p>	<p>B Double pole</p> <p>21.9 24.0 21.0 Dim X</p> <p>Panel thickness 0.75-1.24 1.25-1.99 2.00-3.00</p> <p>19.1/19.2 19.3/19.4 19.7/19.8</p>	<p>Protective covers IP65 L167 for SP L180 for DP (designed to IP65) Snaps on to body, this reduces maximum acceptable panel thickness to 2.2mm.</p>
<p>X</p> <p>4.0 8.0 PCB 0.8sq</p> <p>Double pole switches with X terminals are supplied without terminal barriers</p>			<p>Panel thickness 0.75-1.24 1.25-1.99 2.00-3.00</p> <p>19.1/19.2 19.3/19.4 19.7/19.8</p> <p>Cut-outs must be punched in the direction of insertion</p>	

Dimensions (mm)

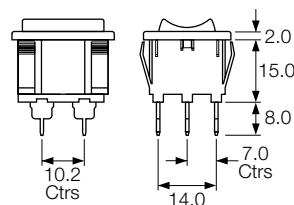
8620VB (H terminals shown)



8670VB (H terminals shown)



8670VB (X terminals shown)



1250 Rocker Switches 10A 250Vac



10(6)A 250Vac T100
6A 400Vac T100
1A 30Vdc



UL CSA 10A 250Vac
UL CSA 16A 250Vac Resistive
UL CSA 125Vac 1/2hp
UL CSA 1A 30Vdc
UL 100°C, file E45221, CSA file LR10990

In house test

Inrush 75A to EN61058-1



RoHS compliant

3mm contact gap
Technical data on pages 4 & 5

- ▶ Standard rocker switch
- ▶ Double pole in single pole body
- ▶ Snap in or sub panel mount
- ▶ Integral terminal barrier
- ▶ Push on or PCB terminals
- ▶ High inrush tolerance
- ▶ Panel cut out:
27.2 x 12.4 (snap in)
26.3 x 12.4 (sub panel mount)



rocker switches

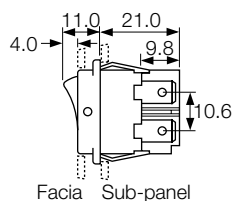


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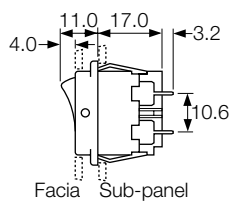
TERMINAL	FUNCTION	ROCKER	BODY	OPTIONS
<p>C</p> <p>6.3 x 0.8</p>	<p>On when pressed over terminal 1</p> <p>1250</p> <p>ON - OFF Double pole</p> <p>Poles are 9.0mm between centres.</p>	<p>A Curved</p> <p>Shown in N body</p>	<p>N</p> <p>Panel cut-out Bezel</p> <p>Sub-panel Facia</p> <p>Panel thickness Dim X</p> <p>0.75-1.24 26.1/26.2</p> <p>1.25-1.99 26.3/26.4</p> <p>2.00-3.00 26.7/26.8</p>	<p>Finish Matt finish only.</p> <p>Colour Call sales for custom colours. A full range is available for large orders.</p> <p>Legend printing Select from the examples or call sales for custom legend.</p> <p>Connector block available F1344 To aid wire harness assembly</p>
<p>X</p> <p>PCB 0.8sq (N body only)</p>	<p>On when pressed over terminal 1</p> <p>1250SP</p> <p>ON - OFF Single pole</p>	<p>P</p> <p>Shown in P body</p>	<p>P</p> <p>Panel cut-out Bezel</p> <p>Panel thickness</p> <p>0.75-3.00</p>	

Dimensions (mm)

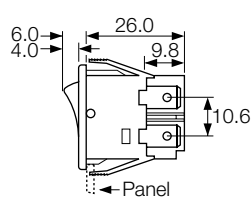
1250AN (C terminals shown)



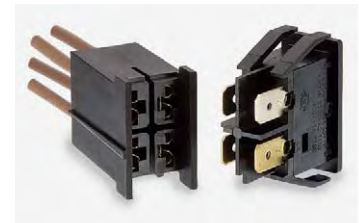
1250AN (X terminals shown)



1250AP (C terminals shown)



Connector Block F1344



6000 SP Splashproof Rocker Switches 16A 250Vac



- ▶ Ratings up to 20A, 277Vac
- ▶ High in-rush (ON-OFF types)
- ▶ Positive switch action
- ▶ Distinctive styling
- ▶ Illuminated & non-illuminated
- ▶ Single pole
- ▶ Matching indicator
- ▶ Bezel size: 31.5 x 14mm



In house test



European 16(4)A 250Vac T125, 10A 400Vac T125

UL CSA 20A 277Vac, 250Vac 11/2hp, 125Vac 1hp
UL 100°C, file E45221, CSA file LR10990

Inrush 150A* to EN61058-1 (ON - OFF only)

* applies to non-momentary types

RoHS compliant

3mm contact gap with Positive Break switching.

Call factory for IP details.

Technical data on pages 4 & 5 (switches), 6 (indicators).

C 6003 A L ---
 TERMINAL FUNCTION ROCKER BODY PRINT, COLOUR, VOLTAGE ETC



Distribución de componentes eléctricos y electrónicos

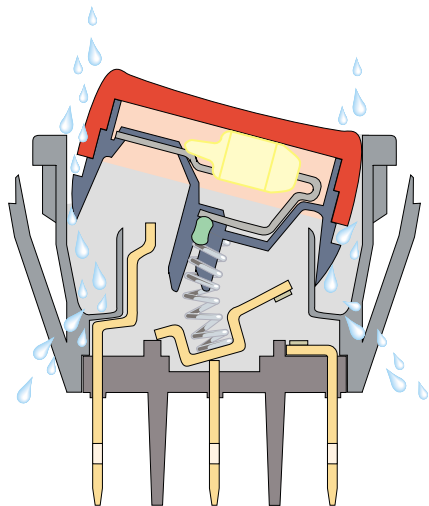
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Fax: (+34) 902 433 088

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www.ermec.com

TERMINAL	FUNCTION	ROCKER
<p>C</p> <p>6.3 x 0.8</p>	<p>Approvals & ratings vary with function ON OFF Switches - ON when pressed over terminal 3</p>	<p>A Softline Matt</p>
	<p>6000 ON - OFF</p>	
	<p>6001 ON - OFF (momentary ON)</p>	<p>A Softline Matt</p>
	<p>6002 ON - OFF (momentary OFF)</p>	<p>Lit</p>
<p>H</p> <p>4.8 x 0.8</p>	<p>6003 ON - OFF Lit</p>	<p>P Lit window Matt</p>
	<p>6008 ON - OFF Lit (Unswitched neutral)</p>	
	<p>6009 ON - OFF (momentary ON) Lit (Unswitched neutral)</p>	
	<p>6010 ON - ON</p>	<p>A Lens Matt (6030 indicator only)</p>
<p>S</p> <p>Screw & Clamp N/A for assemblies with 3 terminals</p>	<p>6011 ON - ON (momentary 1 side)</p>	
	<p>6030 Indicator</p>	
<p>For twin switches and double pole circuits see pages 20 & 21</p>		



Integral Splashproofing
Current carrying parts are protected from moisture. Droplets which may enter the switch are channelled out through ports in the switch body.

For IP65 see options below



C6000AL ---



C6000AL ---



C6010AL ---



C6003AL ---

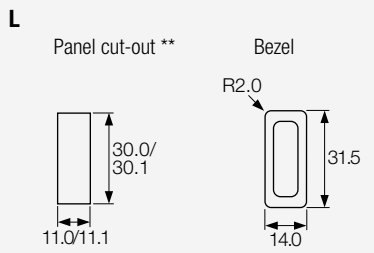


C6003PL ---



C6030AL ---

BODY



Cut-outs must be punched in the direction of insertion

OPTIONS

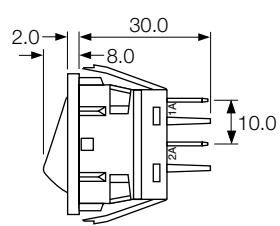
- Finish** Matt is standard.
- Colour** Call sales for custom colours. A full range is available for large orders.
- Legend printing** Select from the examples or call sales for custom legends.
- Lamp voltage** Call sales for details.
- Protective cover** (designed to IP65)
A snap on cover is available (add G after body code), this reduces maximum acceptable panel thickness to 2mm.



Panel sealing washer W46 is available, this reduces maximum acceptable panel thickness to 1.2mm. Covers are not suitable for momentary types.

For all options call sales.

DIMENSIONS (mm)



Panel thickness
L 0.75 to 2.5mm

** For cut-out details on momentary switches call sales

Examples of printing



6050 DP Splashproof Switches - & Twins # 16A 250Vac

rocker switches



- ▶ Ratings up to 20A, 277V ac
- ▶ High in-rush (ON-OFF types)
- ▶ Positive switch action
- ▶ Distinctive styling
- ▶ Illuminated & non-illuminated
- ▶ Double pole
- ▶ Bezel size: 31.5 x 25mm



European 16(4)A 250Vac T125, 10A 400Vac T125

UL CSA 20A 277Vac, 250Vac 1 1/2hp, 125Vac 1hp
UL 100°C, file E45221, CSA file LR10990

In house test

Inrush 150A* to EN61058-1
8(8)A 250Vac T125 5E4 on 6050 only
* applies to non-momentary types

RoHS

RoHS compliant

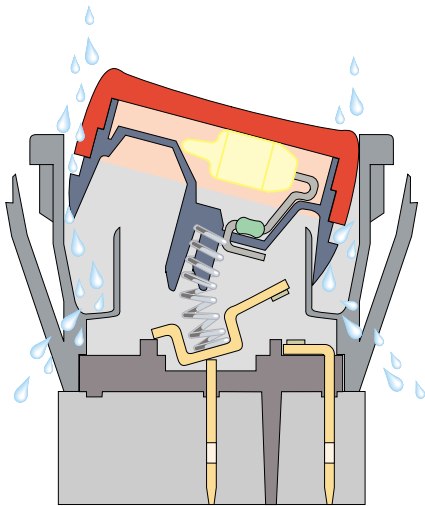
3mm contact gap with Positive Break switching.
Call sales for IP details on Twin units.
Technical data on pages 4 & 5 (switches), 6 (indicators).
Patent app.

C 6053 A L ---
TERMINAL FUNCTION ROCKER BODY PRINT, COLOUR, VOLTAGE ETC



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TERMINAL	FUNCTION	ROCKER
<p>C</p> <p>6.3 x 0.8</p>	<p>Approvals & ratings vary with function ON OFF Switches - ON when pressed over terminals 3 & 6</p>	<p>A Softline Matt</p>
	<p>6050 ON - OFF </p>	<p>6060 ON - ON </p>
	<p>6051 ON - OFF (momentary ON) </p>	<p>6061 ON - ON (momentary 1 side) </p>
	<p>6052 ON - OFF (momentary OFF) </p>	<p>6062 2 Circuit ON - ON <small>In house tests only</small> </p>
	<p>6053 ON - OFF Lit </p>	<p>6066 ON - ON (Single pole) Isolated light </p>
	<p>6054 ON - OFF (momentary ON) Lit </p>	<p>6067 ON - ON Lit </p>
	<p>6055 ON - OFF (Single pole) (momentary ON) Lit </p>	<p>6068 ON - ON 1pole ON - OFF Lit 1pole </p>
	<p>6056 ON - OFF (Single pole) Isolated light </p>	<p>6090 ON - OFF 1pole ON - OFF Lit 1pole </p>
	<p>6057 ON - OFF Isolated light </p>	<p>6091 ON - OFF (momentary ON) Lit </p>
	<p>6058 ON - OFF (Single pole) Lit </p>	<p>6092 ON - OFF 1 pole ON - ON 1 pole Lit </p>
<p>S</p> <p>Screw & Clamp N/A for assemblies with 3 terminals in either pole</p>	<p>6059 ON - OFF (Single pole) (momentary ON) Isolated light </p>	<p>P Lit Window Matt</p> <p>Lit Window</p>
	<p>6059 ON - OFF (Single pole) (momentary ON) Isolated light </p>	<p>Circuits are Double Pole unless described otherwise</p>



Integral Splash Proofing

Current carrying parts are protected from moisture. Droplets which may enter the switch are channelled out through ports in the switch body

For IP65 see options below



C6050AL ---



C6053AL ---



C6053PL ---



C6000A/C6000AL



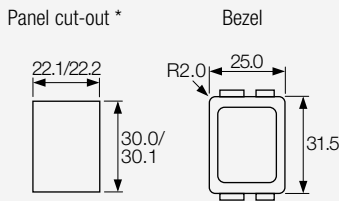
C6003P/C6003PL



C6003P/C6030AL

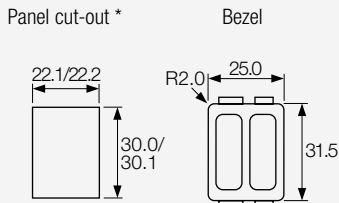
BODY

L Double pole



L Twin units

Contact sales for information on splashproofing and IP ratings



Cut-outs must be punched in the direction of insertion

OPTIONS

Finish Matt is standard.

Colour Call sales for custom colours. A full range is available for large orders.

Legend printing Select from the examples or call factory for custom legends.

Lamp voltage Call sales for details.

Protective cover (designed to IP65 #)
The 6050 series is a water through design. For a higher level of sealing, a snap on cover is available (add G after body code). This reduces maximum acceptable panel thickness to 2mm.



Panel sealing washer W42 is available, this reduces maximum acceptable panel thickness to 1.2mm. Covers are not suitable for momentary types.

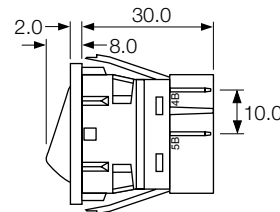
IP Ratings Call the sales for details.

Terminal Link P1067 connects the poles of a double pole switch or twin unit.

Mounting orientation may affect IP rating.

For all options call sales.

DIMENSIONS (mm)



Terminal spacing - Poles 10.5 between centres

Panel thickness

L 0.75 to 3.0mm

* For cut-out details on momentary switches call sales



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Examples of printing



EN1196



EN1197

1500 Standard & 1300 High Inrush Switches 150A to EN61058-1 and 16A 250Vac

rocker switches



- ▶ Standard rocker switch
- ▶ Non-illuminated
- ▶ 1300 high inrush current
- ▶ Choice of switching circuits including 3 position
- ▶ Choice of bezel styles
- ▶ Choice of panel cut outs
- ▶ Matching indicator
- ▶ Single pole
- ▶ Splashproof option
- ▶ Bezel size 'A' style 30.2 x 14.0



In house test



In house test



1500 Series 16(4)A 250Vac T125

UL CSA 16A Non Ind 250Vac, (2 posn) 250Vac 1hp, 125Vac 1/2hp, (3 posn) 250Vac 1/2hp, 125Vac 1/4hp
 UL 10A 14Vdc 'T' (1500 and 1510 only)
 UL 85°C, file E45221, CSA file LR10990

10A 24Vdc

1300 series 16(6)A 250Vac T125 5E4 (50,000 Ops.)
 150A Inrush to EN61058-1

UL CSA 20A 250Vac 1hp, 125Vac 1/2hp
 UL 85°C, file E45221, CSA file LR10990

20A 24Vdc

RoHS compliant

3mm contact gap except if marked μ .

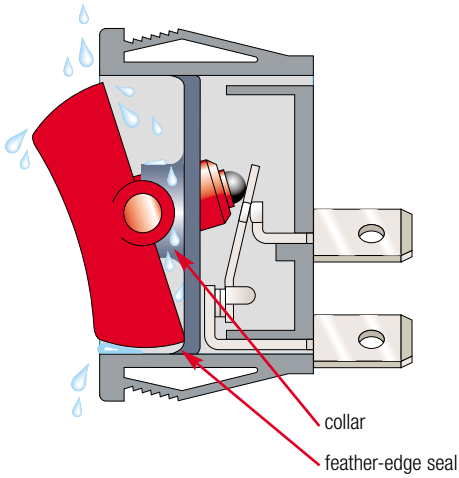
Technical data on pages 4 & 5 (switches), 6 (indicators).

C 1300 A L ---

TERMINAL FUNCTION ROCKER BODY PRINT, COLOUR, VOLTAGE ETC

TERMINAL	FUNCTION	ROCKER
<p>C</p> <p>6.3 x 0.8</p>	<p>Approvals & ratings vary with function ON OFF Switches - ON when pressed over terminal 1</p>	<p>A Softline Matt</p>
<p>H</p> <p>4.8 x 0.8*</p>	<p>Standard 1500</p> <p>High Inrush 1300 Approvals apply to C & T terminals only</p> <p>ON - OFF</p>	<p>B Splashproof (with Arcshield) Matt</p>
<p>K</p> <p>2.8 x 0.8*</p>	<p>1501 HP rating N/A</p> <p>ON - OFF (momentary ON)</p>	<p>H Slotted (for custom Adaptors) not momentary</p>
<p>T</p> <p>Ø2.1 Solder</p>	<p>1502 HP rating N/A</p> <p>ON - OFF (momentary OFF)</p>	<p>V Curved Matt or gloss</p>
<p>U</p> <p>Ø2.1 Right angle "T" solder terminal</p>	<p>1510 μ HP rating N/A</p> <p>ON - ON</p>	<p>W Splashproof (with Arcshield) Matt</p>
<p>X</p> <p>4.0 PCB 0.8Sq* *N/A for 1300 series</p>	<p>1511 μ HP rating N/A</p> <p>ON - ON (momentary 1 side)</p>	<p>X Two colour Matt ON - OFF only (not momentary)</p>
	<p>1520 μ 125V & 250V 1/2 HP H terminal rated T100 only</p> <p>ON - OFF - ON</p>	<p>F Flat lens Gloss (0430 only)</p>
	<p>1521 μ HP rating N/A H terminal rated T100 only</p> <p>ON - OFF - ON (momentary 1 side)</p>	<p>A Softline lens Matt (0430 only) as F but with raised profile</p>
	<p>1522 μ HP rating N/A H terminal rated T100 only</p> <p>ON - OFF - ON (momentary 2 sides)</p>	
	<p>0430 X terminal N/A</p> <p>Indicator Technical data on page 6</p>	

Enhanced Splashproofing



1500 W and B splashproof options

Feather edge seals and a close fitting collar protect current carrying parts from moisture.
B option has Hytrel collar/seals for enhanced protection.



C1500AR ---
T1500AR ---



C1500AL ---
T1500AL ---



C1500XL ---
T1500XL ---



C1510AL ---
T1510AL ---



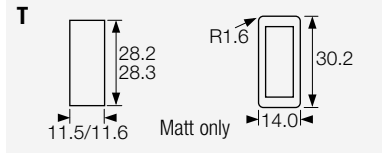
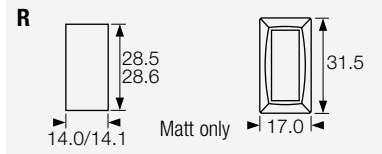
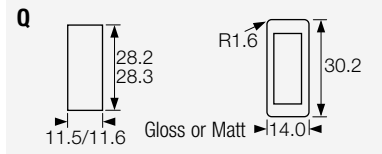
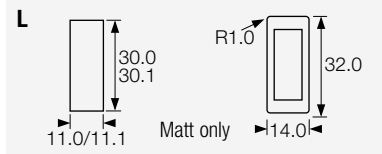
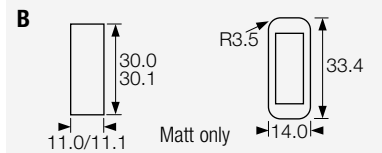
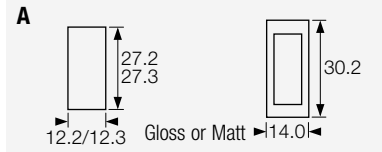
C1520AL ---
T1520AL ---



C0430AL ---
T0430AL ---

BODY

Panel cut-out * Bezel
Cut-outs must be punched in the direction of insertion



OPTIONS

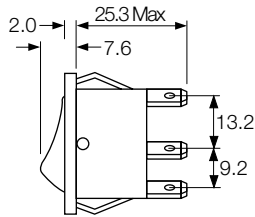
- Finish** Matt is standard.
- Colour** Call sales for custom colours. A full range is available for large orders.
- Legend printing** Select from the examples or call sales for custom legends.
- Lamp voltage** Call sales for details.
- Blanking plates A0434** - - Dummy units to fill unused panel holes.
- Protective cover** (designed to IP65) Snaps on to A, L, Q or T bodies (add G after body in cat no.), this reduces maximum acceptable panel thickness to 2mm.



Panel sealing washer W46 is available for the same body sizes, this reduces maximum acceptable panel thickness to 1.2mm. Covers are not suitable for momentary types.

For all options call sales.

DIMENSIONS (mm)



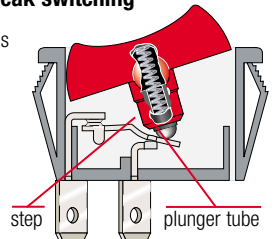
Panel thickness

A,Q	0.75 to 3.3mm
L,B,T	0.75 to 2.5mm
R	0.75 to 3.0mm

* For cut-out details on momentary switches call sales

1300 High inrush, positive break switching

The 1300 series mechanism ensures contact welds formed at switch-on, are positively separated by the plunger tube acting directly on the step in the moving contact.



Examples of printing



EN602A



EN730



EN822

5500 Lit Rocker Switches - Single Pole 16A 250Vac



- ▶ Standard rocker switch
- ▶ Illuminated
- ▶ Choice of switching circuits
- ▶ Choice of bezel styles
- ▶ Choice of panel cut outs
- ▶ Matching indicator
- ▶ Single pole
- ▶ Splashproof option
- ▶ Bezel size 'A' style 30.2 x 14.0



16(4)A 250Vac T85
10(3)A 250Vac T100, (12A 250Vac T125 for P rocker only)



UL CSA 15A 250Vac, CSA 16A Non Ind 250Vac
UL CSA 250Vac 1hp, 125Vac 1/2hp
UL 85°C, file E45221, CSA file LR10990



Inrush 24A to EN61058-1



RoHS compliant

μ contact gap.
 Technical data on pages 4 & 5 (switches), 6 (indicators).
 For Twin units repeat the order details for both the left and right sides.



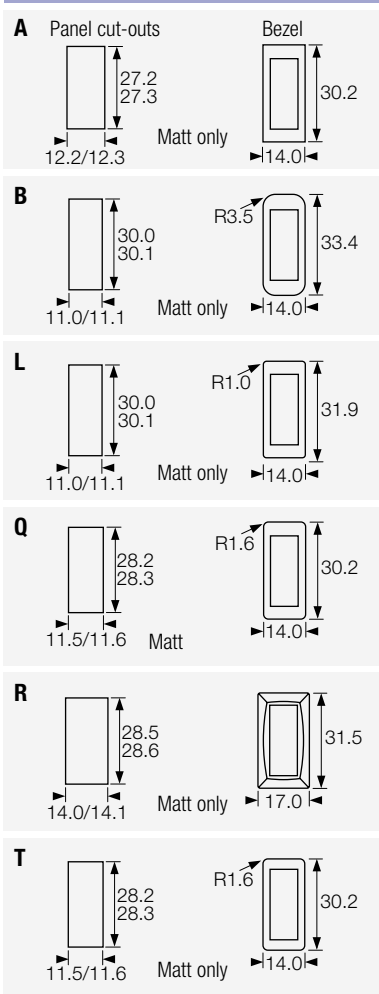
Tel.: (+34) 902 450 160
Fax: (+34) 902 433 088
ermec@ermec.com
www.ermec.com

TERMINAL	FUNCTION	ROCKER
<p>C</p> <p>6.3 x 0.8</p>	<p>Approvals & ratings vary with function ON OFF Switches - ON when pressed over terminal 3</p>	<p>A Softline (Matt only)</p> <p>Lit</p>
<p>H</p> <p>4.8 x 0.8</p>	<p>5500 μ</p> <p>ON - OFF</p>	<p>Lit</p>
<p>T</p> <p>Ø2.1</p> <p>Solder</p>	<p>5508 μ for special applications</p> <p>ON - OFF Lit Unswitched neutral</p>	<p>P Lit window (Matt only)</p>



rocker
switches

BODY



OPTIONS

Finish Matt is standard.

Colour Call sales for custom colours. A full range is available for large orders.

Legend printing Select from the examples or call sales for custom legends.

Lamp voltage Call sales for details.

Blanking plate A0434 -- (SP) A0494 -- (DP)
Dummy units to fill unused panel holes.

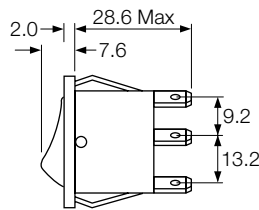
Protective cover (designed to IP65)
Snaps on to A, L, Q or T bodies (add G after body in cat no), this reduces maximum acceptable panel thickness to 1.2mm.



Panel sealing washer W46 (Single Pole) and W42 (Double Pole) are available for these body sizes, this reduces maximum acceptable panel thickness to 2mm.

For all options call sales.

DIMENSIONS (mm)



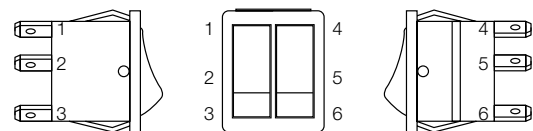
Terminal spacing - Poles 10.8 between centres (twin units)

Panel thickness

A,Q	0.75 to 3.3mm
L,B,T	0.75 to 2.5mm
R	0.75 to 3.0mm

Twin units

Two single switches or a switch and an indicator light can be assembled side by side in one double pole body. For 5500 range panel cut-out details (L, B and T) call sales.



For twin units the first set of order format details refer to the left hand unit, when looking at the front of the assembly. (This has terminal numbers 1, 2 & 3)



Cut-outs must be punched in the direction of insertion

1500 Twin Units Switches and Indicators 16A 250Vac

rocker switches



- ▶ Twin unit rocker switch
- ▶ Choice of switching circuits including 3 position
- ▶ Push-on, solder and PCB terminals
- ▶ Choice of bezel styles
- ▶ Choice of panel cut outs
- ▶ Matching indicator
- ▶ Single pole
- ▶ Splashproof option
- ▶ Cut out size 'A' style 27.2 x 22.3



16(4)A 250Vac T125



UL CSA 16A 250Vac
 UL CSA (2 posn) 250Vac 1hp, 125Vac 1/2hp, (3 posn) 250 Vac 1/2hp, 125Vac 1/4hp
 UL 85°C, file E45221, CSA file LR10990

In house test

Inrush 36A to EN61058-1

For versions with High Inrush or for 50,000 operations, see page 20.



RoHS compliant

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



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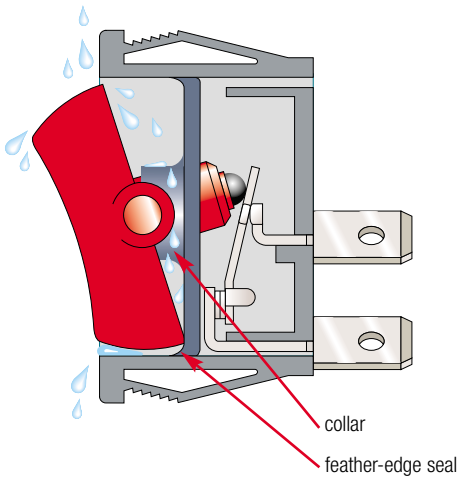
www.ermec.com

C 1500 A / C 1510 A L ---

TERMINAL FUNCTION ROCKER TERMINAL FUNCTION ROCKER BODY PRINT, COLOUR, ETC

TERMINAL	FUNCTION	ROCKER
<p>C</p> <p>6.3 x 0.8</p>	<p>Approvals & ratings vary with function ON OFF Switches - ON when pressed over terminal 1 or 4</p>	<p>A Softline (Matt)</p>
<p>H</p> <p>4.8 x 0.8</p>	<p>1500 ON - OFF</p>	<p>B Softline splashproof (Matt)</p>
<p>K</p> <p>2.8 x 0.8</p>	<p>1510 μ <small>HP rating N/A</small> ON - ON</p>	<p>W Curved splashproof (Matt)</p>
<p>T</p> <p>Solder</p>	<p>1520 μ <small>125V & 250V 1/2 HP H terminal rated T100 only</small> ON - OFF - ON</p>	<p>X Two colour (Matt) (not momentary) ON - OFF only</p>
<p>X</p> <p>PCB 0.8Sq</p>	<p>0430 <small>X terminal N/A</small> Indicator Technical data on page 6</p>	<p>A Softline lens (Matt) (Indicator)</p>

Enhanced Splashproofing



1500 W and B splashproof options

Feather edge seals and a close fitting collar protect current carrying parts from moisture.

B option has Hytrel collar/seals for enhanced protection.



C1500A/C1500AL



C1500A/C0430AL



C1500X/C1500XL



C1520A/C1510AL



C1500A/C1520AL

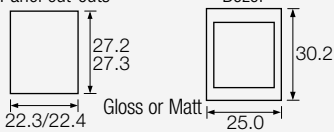


C0430A/C0430AL

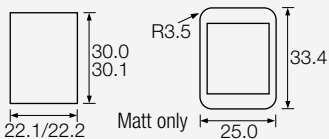
rocker switches

BODY

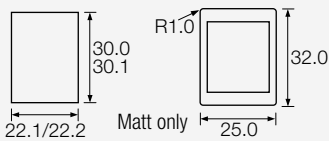
A Panel cut-outs



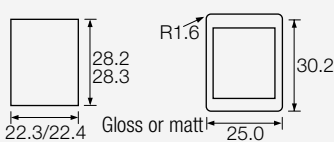
B



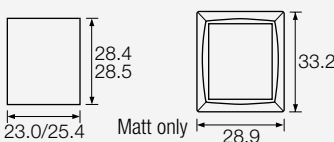
L



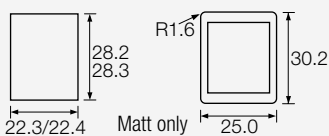
Q



R



T



Cut-outs must be punched in the direction of insertion

OPTIONS

Finish Matt is standard.

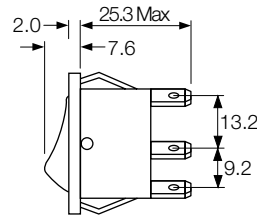
Colour Call sales for custom colours. A full range is available for large orders.

Legend printing Call sales for custom legends. State if a legend is to appear on the left or right hand unit (viewed from the front).

Lamp voltage Call sales for details.

For all options call sales.

DIMENSIONS (mm)



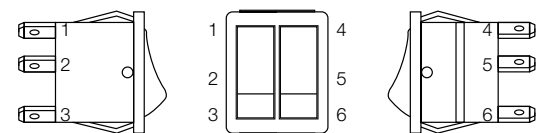
Call sales for terminal spacing details

Panel thickness

A,Q	0.75 to 3.3mm
L,B,T	0.75 to 2.5mm
R	0.75 to 3.0mm

Twin units

Two single switches or a switch and an indicator light can be assembled side by side in one double pole body.



For twin units the first set of order format details refer to the left hand unit, when looking at the front of the assembly. (This has terminal numbers 1, 2 & 3)

Examples of printing



EN602A



EN730

1550 Standard & 1350 High Inrush Switches 150A to EN61058-1 and 16A 250Vac

rocker switches



- ▶ Standard rocker switch
- ▶ 1350/53 high inrush
- ▶ Choice of switching circuits including 3 position
- ▶ Push-on, solder and PCB terminals
- ▶ Choice of bezel styles
- ▶ Choice of panel cut outs
- ▶ Matching indicator
- ▶ Double pole
- ▶ Splashproof option
- ▶ Bezel size 'A' style 27.2 x 22.3



In house test



In house test



1550 Series 16(4)A 250Vac T125

UL CSA 16A 250Vac, (2 posn) 250Vac 1hp, 125Vac 1/2hp, (3 posn) 250 Vac 1/2hp, 125Vac 1/4hp.
UL 85°C, file E45221, CSA file LR10990.

10A 24Vdc.

1350 series 16(4)A 250Vac T85 1E4 (10,000 Ops.)
On request 16(6)A 250Vac T125 5E4 (50,000 Ops.)
150A Inrush to EN61058-1.

UL CSA 20A 250Vac 1hp, 125Vac 1/2hp.
UL 72Vdc 7A, 36Vdc 14A.
UL 85°C, file E45221, CSA file LR10990.

20A 24Vdc

RoHS compliant

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

C 1553 A L ---
TERMINAL FUNCTION ROCKER BODY PRINT, COLOUR, VOLTAGE ETC



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Fax: (+34) 902 433 088

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www.ermec.com

TERMINAL	FUNCTION	ROCKER
<p>C</p> <p>6.3 x 0.8</p>	<p>Approvals & ratings vary with function ON OFF Switches - ON when pressed over terminal 1</p>	<p>A Softline Matt</p> <p>Lit (not momentary)</p>
<p>H</p> <p>4.8 x 0.8*</p>	<p>Standard 1550</p> <p>1551 HP rating N/A</p> <p>ON - OFF (momentary ON)</p>	<p>B Splashproof Softline</p>
<p>K</p> <p>2.8 x 0.8*</p>	<p>High Inrush 1350</p> <p>1552 HP rating N/A</p> <p>ON - OFF (momentary OFF)</p>	<p>V Curved</p> <p>Matt or gloss Gloss only Lit (not momentary)</p>
<p>T</p> <p>Solder</p>	<p>1553 Not W, X or B rocker</p> <p>1353 Not W, X or B rocker</p> <p>ON - OFF Lit</p>	<p>W Splashproof Curved</p>
<p>U</p> <p>Right angle T Solder (Not DP)</p>	<p>1560 μ</p> <p>ON - ON</p>	<p>P Lit window Matt</p> <p>Lit (not momentary)</p>
<p>X</p> <p>PCB 0.8Sq*</p>	<p>1561 μ HP rating N/A</p> <p>ON - ON (momentary 1 side)</p>	<p>X Two colour Matt</p>
	<p>1562 μ In house tests only</p> <p>2 Circuit ON - ON</p>	<p>R Round</p>
	<p>1570 μ 125V & 250V 1/2 HP H terminal rated T100 only</p> <p>ON - OFF - ON</p>	<p>F Flat lens Gloss (0480 only) (ON OFF only - not momentary)</p>
	<p>1571 μ HP rating N/A H terminal rated T100 only</p> <p>ON - OFF - ON (momentary 1 side)</p>	<p>A Softline lens Matt (0480 only) as F but with raised profile</p>
	<p>1572 μ HP rating N/A H terminal rated T100 only</p> <p>ON - OFF - ON (momentary 2 sides)</p>	<p>Top view</p>
	<p>1484 μ In-house tested to 10(3)A 250Vac (B rocker only)</p> <p>3 position selective</p>	
	<p>1487 μ In-house tested to 10(3)A 250Vac (B rocker only)</p> <p>3 position selective (Consult sales for other switch options)</p>	
	<p>0480 X terminal N/A</p> <p>Indicator Technical data on page 6</p>	



C1350AL ---



C1550XL ---



C1553PL ---



C1553RA ---
Shown with M614 bezel cover



C0480AL ---



Optional snap-in M441 barrier



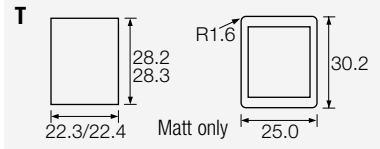
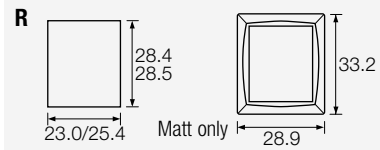
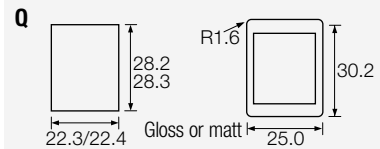
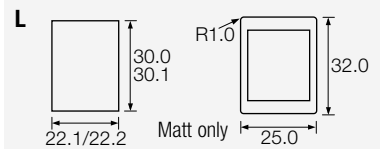
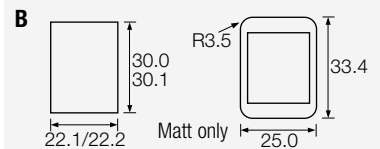
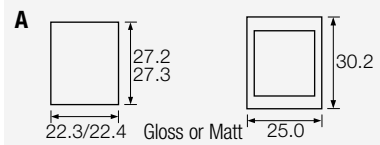
C1553AA with M616 guard
Cut-out 22.0/22.1 x 29.4/29.5
Guard accepts "A" body only



C0480RA ---
Shown with M614 bezel cover

BODY

Panel cut-out * Bezel
Cut-outs must be punched in the direction of insertion



OPTIONS

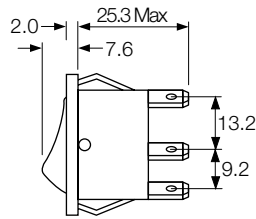
Finish Matt is standard.
Colour Call sales for custom colours. A full range is available for large orders.
Legend printing Select from the examples or call sales for custom legends.
Lamp voltage Call sales for details.
Blanking plates A0494 Dummy units to fill unused panel holes.
Protective cover (designed to IP65) Snaps on to A, L, Q or T bodies (add G after body in cat no), this reduces maximum acceptable panel thickness to 1.2mm.



Panel sealing washer W42 is available for the above body sizes, this reduces maximum acceptable panel thickness to 2mm. Covers are not suitable for momentary types.

For all options call sales.

DIMENSIONS (mm)



Terminal spacing - Poles 10.2 between centres

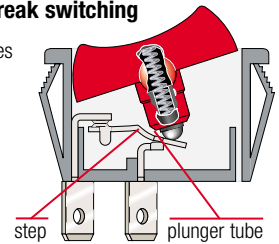
Panel thickness

- A,Q** 0.75 to 3.3mm
- L,B,T** 0.75 to 2.5mm
- R** 0.75 to 3.0mm

* For cut-out details on momentary switches call sales.

1350 High inrush, positive break switching

The 1350 series mechanism ensures contact welds formed at switch-on, are positively separated by the plunger tube acting directly on the step in the moving contact.



Examples of printing



EN602A



EN730



EN822

6100 SP Waterproof Rocker Switches 16A 250Vac - Sealed to IP67[†]

rocker switches



- ▶ IP67[†] Panel seal
- ▶ Supplied complete with gasket
- ▶ Single pole
- ▶ Ratings up to 20A, 277Vac
- ▶ Positive switch action
- ▶ Distinctive styling
- ▶ Illuminated & non-illuminated
- ▶ LED Illumination
- ▶ Matching indicator
- ▶ Bezel size: 30.0 x 11.0



16(4)A 250Vac T125 10A 400Vac T125 for 6101, 6102 & 6111
16(6)A 250Vac T125, 10A 400Vac T125 for 6100, 6108 & 6110



20A 277Vac, 250Vac 11/2hp, 125Vac 1hp*

In house test

20A, 36Vdc



RoHS compliant

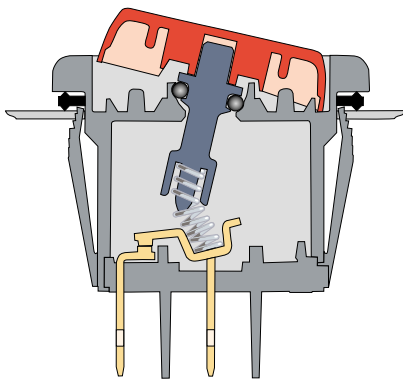
3mm contact gap.
Technical data on pages 4 & 5 (switches), 6 (indicators).
ENEC and UL approvals applied for.
* Rating for 'C' terminal only
[†] IP ratings: IP60 (T125), IP66 and IP67 (T55)

C 6108 P L ---
 TERMINAL FUNCTION ROCKER BODY PRINT, COLOUR, VOLTAGE ETC



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www.ermec.com

TERMINAL	FUNCTION	ROCKER
C 6.3 x 0.8	Approvals & ratings vary with function ON OFF Switches - ON when pressed over terminal 3 	F Flat
H 4.8 x 0.8	6100 ON - OFF 	P Lit Window
	6101 ON - OFF (momentary ON) 	
	6102 ON - OFF (momentary OFF) 	
	6108 ON - OFF Lit (Unswitched neutral) 	
	6110 ON - ON 	
	6111 ON - ON (momentary 1 side) 	
	6130 Indicator 	



Waterproof Rocker Switch
IP67 Panel Seal.



C6100FL ---



C6108PL ---



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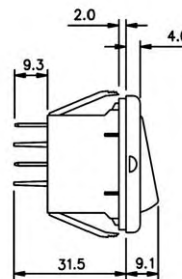
Fax: (+34) 902 433 088

ermec@ermec.com

www.ermec.com

BODY	OPTIONS
<p>L</p> <p>Panel cut-out</p> <p>Bezel</p>	<p>Finish Matt is standard.</p> <p>Colour Call sales for custom colours. A full range is available for large orders.</p> <p>Legend printing Select from the examples or call sales for custom legends.</p> <p>LED voltage Call sales for details.</p> <p>For all options call sales.</p>

DIMENSIONS (mm)



Panel thickness

L 1.0 to 3.0mm

Note:

Gasket supplied fitted to switch

Cut-outs must be punched in the direction of insertion

Fitting Instructions:

Press switch firmly into panel on both sides of the bezel.

Gasket seals to provide IP67 Sealing.

Examples of printing



EN1224



EN1223

R13 Round Rocker Switches 10A 250Vac



- ▶ Miniature round rocker switch
- ▶ Ratings up to 10A, 250Vac
- ▶ Single & double pole
- ▶ Illuminated & non-illuminated, neon and LED
- ▶ Choice of actuators
- ▶ Matching indicator
- ▶ Bezel size: 20.2 dia.



SP 10(4)A 250Vac T85



DP 10(4)A 250Vac T85



SP 6A 250Vac T85,
DP 10(4)A 250Vac T85



UL CSA SP 16A 125Vac & 10A 250Vac
UL CSA DP 16A 125Vac, 10A 250Vac, 10A 28Vdc
UL 85°C, file E67774(S), CSA file LR45128



RoHS compliant

Single pole has μ contact gap. Technical data on pages 4 & 5.

Special products

Are made to order and can be supplied with a range of body and rocker/lens colours, print & lamp voltage.

Call sales for availability to your special requirements.

R13 112A AAA

TERMINAL FUNCTION ROCKER BODY PRINT, COLOUR, VOLTAGE ETC



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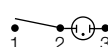
www.ermec.com

PRODUCT DETAILS



SP ON - OFF μ

Cat no.
R13 112A AAA



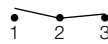
SP ON - OFF μ
Lit 230V

Cat no.
R13 112B NAC



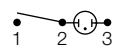
SP ON - OFF μ

Cat no.
R13 112A AAB



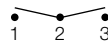
SP ON - ON μ

Cat no.
R13 112C AAA



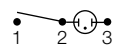
SP ON - OFF μ
Lit 230V

Cat no.
R13 112B NAA



SP ON - OFF - ON μ

Cat no.
R13 112D AAA



SP ON - OFF μ
Lit 230V

Cat no.
R13 112B NAB



only



SP ON - OFF μ
(Momentary ON)

Cat no.
R13 208F AAA*



DP ON - OFF

Cat no.
R13 244A AAA

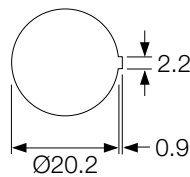


DP ON - OFF
Lit 230V

Cat no.
R13 244B NAA

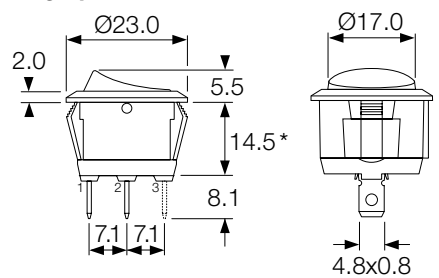
DIMENSIONS (mm)

Panel cut-out



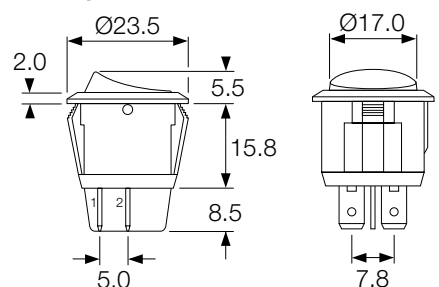
Snap fixing into panel thickness up to 3.0

Single pole



* R13 208F has 12.5mm deep body

Double pole





R13 112B NAA



R13 112A AAA



R13 112A2 ---

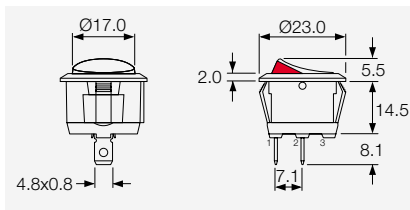


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ermec@ermec.com
www.ermec.com

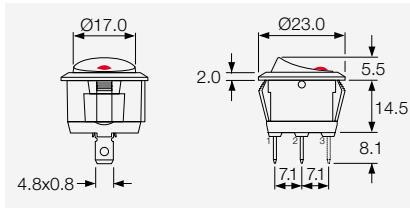
PRODUCT DETAILS



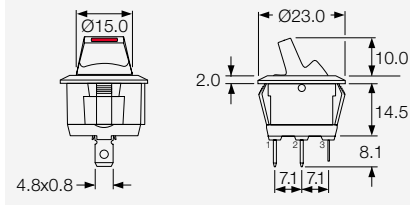
SP ON - OFF μ
 Bright colour ON signal
Cat no.
R13 112A2 - -



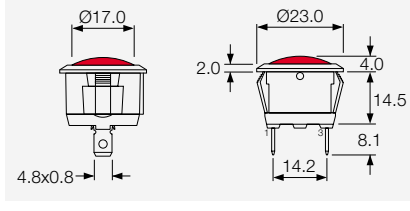
SP ON - OFF μ
 Lit Window
Cat no.
R13 112B2 - -



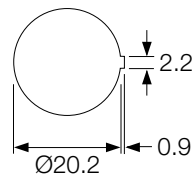
SP ON - OFF μ
 Paddle tip has red LED
Cat no.
R13 112LP - -



Indicator light
Cat no.
R9 92B - - -



PANEL CUT-OUT (mm)



Snap fixing into panel thickness up to 3.0



Protective cover L188

Snaps on to bodies (not R13 211 or R13 112LP), this reduces maximum acceptable panel thickness to 2.4mm.

approvals - contact sales

3900 Metal Lever Switches 16A 250Vac - IP67[†] Sealed Versions

ermec@ermec.com



- ▶ Metal lever switches
- ▶ Ratings up to 20A, 277V ac
- ▶ Single and double pole
- ▶ Choice of circuits including 3 position and momentary
- ▶ Sealed version supplied complete with gaskets
- ▶ Panel seal version to IP67[†]
- ▶ 6.3mm terminals
- ▶ Guard option



16(4)A 250Vac T85 (3900 & 3950)
10(4)A 250Vac T85 (All other circuits)



UL CSA* 20A 125/277Vac (ON-OFF Circuits)
UL CSA* 16A 125/277Vac (Other Circuits)
UL CSA* 7A 72Vdc, 14A 36Vdc
UL 250Vac 1hp, 125Vac 1/2hp
UL 65°C, file E45221, CSA file LR10990

Inrush rating - Contact sales for details



RoHS compliant

Approvals and ratings vary with function.
3mm contact gap except where marked μ .
Technical data on pages 4 & 5.

* CSA approval for A and B bodies only
[†] IP67 approval for E body only. Consult sales

lever switches

C 3900 B E - - -

TERMINAL FUNCTION ACTUATOR BODY OPTIONS

TERMINAL	FUNCTION	ACTUATOR	
C 6.3 x 0.8	Single pole 	B metal Metal toggle finish is nickel plate	
	3900 		Double pole
	3901 		3950
	3902 		3951
	3910 		3952
	3911 		3960
	3920 		3961
	3921 		3970
	3922 		3971
	Other terminals to special order		3972



C3900BE ---



C3920BA ---



C3950BF ---

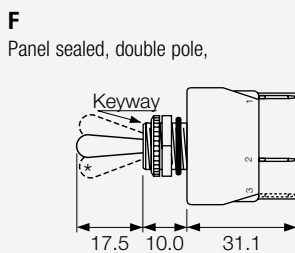
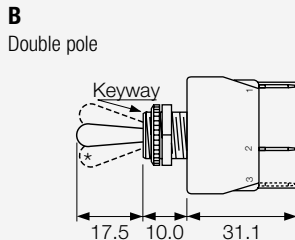
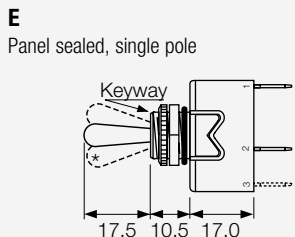
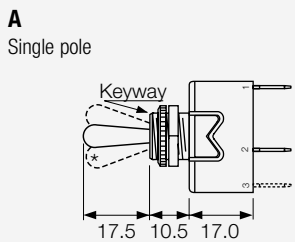


C3972BB ---

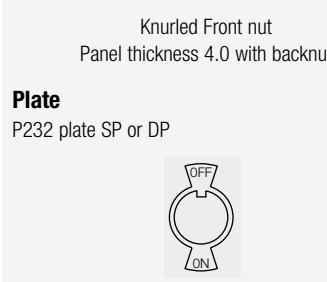
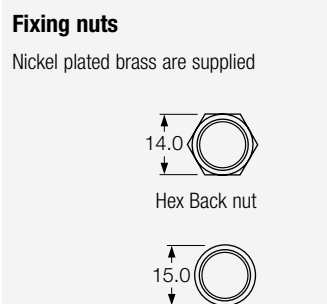


Guard R17-10

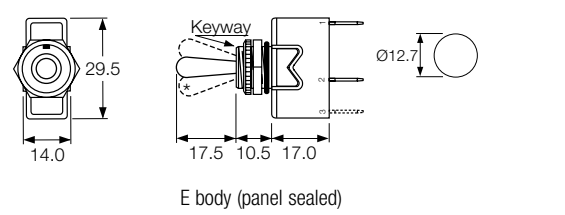
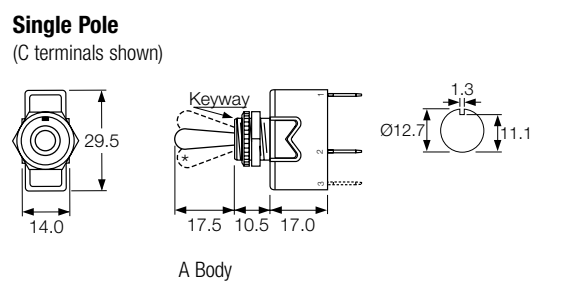
BODY



OPTIONS



DIMENSIONS (mm) * Indicates ON position (for ON - OFF switches)



1700 & 1750 Lever Switches 16A 250Vac Single and Double Pole

ermec@ermec.com



- ▶ Nylon lever switches
- ▶ Ratings up to 20A, 250V ac
- ▶ Single and double pole
- ▶ Wide choice of terminals
- ▶ Choice of circuit options including 3 position
- ▶ Flat & round lever profiles



16(4)A 250Vac T85



UL 20A 250Vac Non Ind (Single pole)
 UL 16A 250Vac Non Ind (Double pole)
 UL CSA (2 pos types) 250Vac 1hp, 125Vac 1/2hp
 UL CSA (3 pos types) 250Vac 1/2hp, 125Vac 1/4hp
 CSA 16A 250Vac Non Ind
 UL 85°C, file E45221, CSA file LR10990
 UL and CSA N/A on momentary types

In house test

Inrush 36A to EN61058-1 & 20A 28Vdc

RoHS

RoHS compliant

Selective "A, B, C" and "OFF, A, A+B" circuits at 5 amp also available.
 3mm contact gap except where marked μ .
 Technical data on pages 4 & 5.

lever switches

C 1750 H O - - -

TERMINAL FUNCTION ACTUATOR BODY OPTIONS

TERMINAL	FUNCTION	ACTUATOR
C 6.3 x 0.8	Single pole 1700 ON - OFF	Double pole 1750
H 4.8 x 0.8	1710 μ ON - ON	1760 μ 16.4
K 2.8 x 0.8	1720 μ ON - OFF - ON	1770 μ 13.8
T Solder	1721 μ ON - OFF - ON (momentary 1 side)	R
X PCB 0.8 Sq	1722 μ ON - OFF - ON (momentary 2 sides)	The switch is on between centre terminals (2 & 5) and the terminals over which the lever is positioned. www.ermec.com



C1700RO ---



C1700HO ---



C1760RO ---

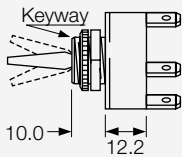


C1750HO ---

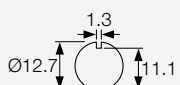
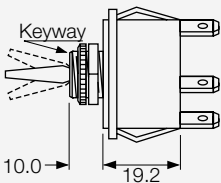
lever switches

BODY

0
Single pole



0
Double pole



Panel hole (all types)
Panel thickness (Max)
Both nuts - 3.5mm
Less backnut - 6.5mm

OPTIONS

Neck Seal M539

Material - Nitrile
(H & R Actuators)
Actuator visible



Cover M1080

Material - EPDM
(R Actuator only)



Cover M331

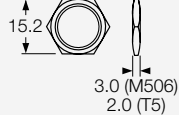
Material - PVC
(R Actuator only)



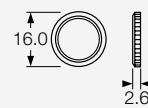
Covers have internal nylon nuts

Fixing nuts (Standard is M506 & T92)

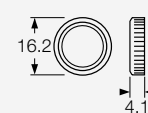
T5 Hex brass
M506 Hex nylon



T92 Knurled brass - slotted



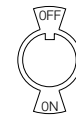
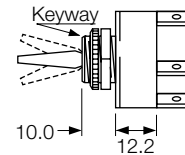
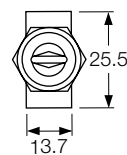
M279 Knurled nylon



DIMENSIONS (mm)

Single Pole

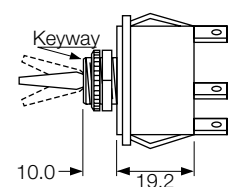
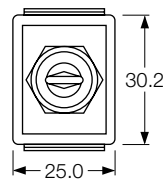
(C terminals shown)



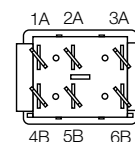
Optional
P232 plate
SP or DP

Double Pole

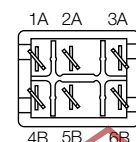
(C terminals shown)



Without barrier

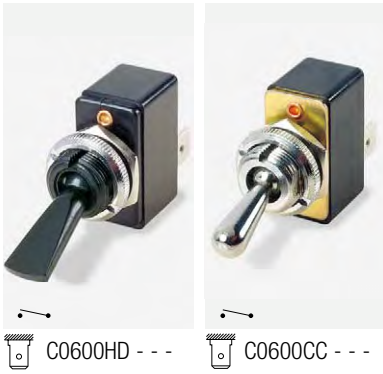


With barrier



Optional terminal barrier M441.





C0600HD - - -



C0600CC - - -



C0602SC - - -

- ▶ Lever switch
- ▶ Brass and nylon actuators
- ▶ Single pole
- ▶ Latching and momentary action
- ▶ Choice of actuator profiles

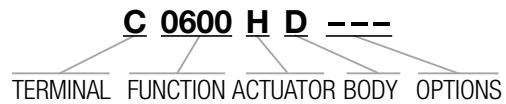
In house test

1A 250Vac
3A 12/24Vdc

RoHS

RoHS compliant

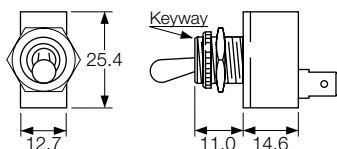
3mm contact gap.
Technical data on pages 4 & 5.



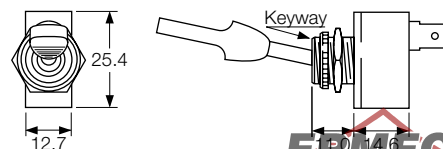
▶ TERMINAL	▶ FUNCTION	▶ ACTUATOR	▶ BODY	▶ OPTIONS
<p>C</p> <p>6.3 x 0.8</p> <p>10.1</p>	<p>0600</p> <p>ON - OFF</p> <p>0602</p> <p>ON - OFF (momentary ON)</p>	<p>C Chromed brass (0600)</p> <p>15.0</p> <p>U Nylon (0600)</p> <p>12.1</p> <p>G Nylon (0600)</p> <p>27.0</p> <p>H Nylon (0600)</p> <p>17.0</p> <p>S Chromed brass stem/nylon paddle (0602 only)</p> <p>41.8</p>	<p>D Nylon neck and top plate (Used with actuator codes U, G and H)</p> <p>C Metal neck and top plate (Used with actuator codes C and S)</p> <p>1.3</p> <p>Ø12.7</p> <p>11.1</p> <p>Panel thickness - 3.5mm Back nut must be fitted</p> <p>Fixing nuts (Standard is M506 & T92)</p> <p>T5 Hex brass</p> <p>15.2</p> <p>M506 Hex nylon</p> <p>3.0 (M506) 2.0 (T5)</p> <p>T92 Knurled brass - slotted</p> <p>16.0</p> <p>2.6</p> <p>M279 Knurled nylon</p> <p>16.2</p> <p>4.1</p>	<p>Cover M331 (C Actuator only)</p> <p>Seal M539 (C,H & U Actuators) Actuator visible</p> <p>Cover M1080 (C Actuator only)</p> <p>Covers have internal nylon nuts.</p>

Dimensions (mm)

0600 (U actuator shown)



0602



www.ermec.com

Key Operated Pushbutton Switch 16.5A 400Vac

ermec@ermec.com



16.5(8)A 400Vac T85, (50,000 Operations)



15.5A 250Vac & 125Vac, (6,000 Operations)
 125Vac & 250Vac 1/2hp & 11/2hp (6,000 Operations)
 0.5A 30Vdc (6,000 Operations)
 UL 85°C
 Approvals applied for.



Compliant

- ▶ 400Vac, 16.5A, 50,000 Operations
- ▶ 125V, 1/2HP & 11/2HP, 6,000 Operations
- ▶ Double pole momentary
- ▶ Plunger operation with key for locking
- ▶ 100,000 mechanical operations
- ▶ 4.8 & 6.3mm tags
- ▶ Snap to panel and screw fixing
- ▶ Panel cut out: 37.0 x 13.5



C4151AA ---

C 4151 A A - - -

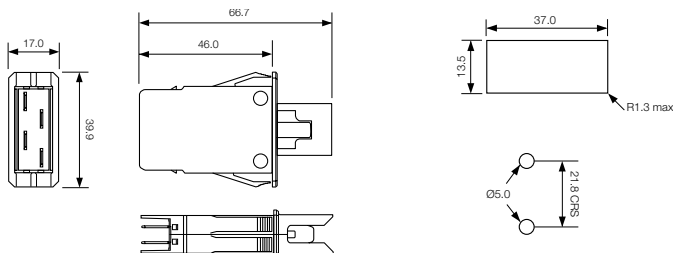
TERMINAL FUNCTION ACTUATOR BODY PRINT, COLOUR, ETC

push
switches

▶ TERMINAL	▶ FUNCTION	▶ ACTUATOR	▶ BODY
<p>C</p> <p>6.3 x 0.8</p>	<p>Single 4101</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

Dimensions (mm)
C4151HAA



www.ermec.com

8300 Push Button Switches 16A 250Vac

ermec@ermec.com



- ▶ 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 actuator
- ▶ Industry standard panel cutout
- ▶ Panel cut out:



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

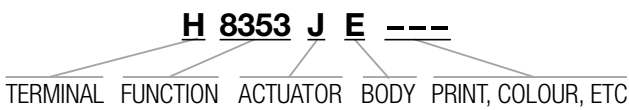
In house test

10(10)A 250Vac



RoHS compliant

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



push switches

TERMINAL	FUNCTION	ACTUATOR
<p>C</p> <p>6.3 x 0.8</p>	<p>Approvals & ratings vary with function Single pole switches use terminals 1 & 2 (& 3)</p>	<p>A Standard actuator</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>8300 ON - OFF Single pole</p>	<p>H Slotted for custom actuators Slots for snap-in buttons</p>
<p>K</p> <p>2.8 x 0.8</p>	<p>8301 ON - OFF (momentary ON) Single pole</p>	<p>C Square actuator</p>
<p>T</p> <p>Solder</p>	<p>8303 ON - OFF with light Single pole</p>	<p>E Radiused actuator</p>
<p>X</p> <p>PCB 0.8 Sq</p>	<p>8304 ON - OFF (momentary ON) with light Single pole</p>	<p>F Small round actuator</p>
<p>V</p> <p>Dual pin PCB (Call sales for matrix dims)</p>	<p>8350 ON - OFF Double pole</p>	<p>J Smooth curved actuator</p>
	<p>8351 ON - OFF (momentary ON) Double pole</p>	<p>M</p>
	<p>8353 ON - OFF with light Double pole</p>	<p>D Large round actuator</p>
	<p>8354 ON - OFF (momentary ON) with light Double pole</p>	<p>D Large round actuator</p>
	<p>8355 ON - OFF Single pole Isolated light - switched</p>	<p>D Large round actuator</p>
	<p>8356 ON - OFF Single pole Isolated light - unswitched</p>	<p>D Large round actuator</p>

ERMEC
 All actuators except H available lit



H8350AB ---
T8350AB ---



H8353JE ---
T8353JE ---



H8353EB ---
T8353EB ---



H8353CB ---
T8353CB ---



H8350DB ---
T8350DB ---



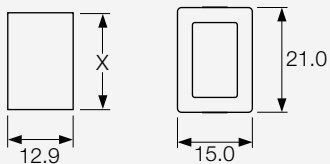
H8350HB ---
Example of actuator

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

Colour
Call sales for custom colours
A full range is available for large orders

Legend printing
Select from the examples or call sales for custom legends

Special buttons
Some of the many options are shown
Call sales for the full range

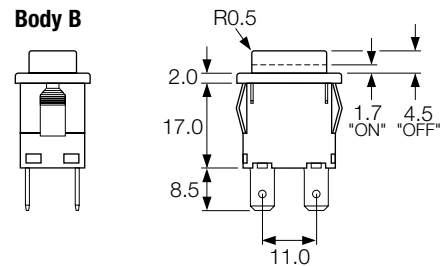
L167 Protective cover
(designed to IP65)



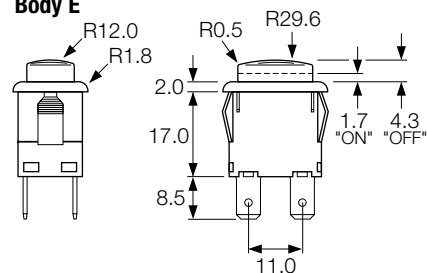
Snaps on to switch bodies fitted with "A" or "J" style actuators but increases effective panel thickness by 0.8mm

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 printing



EN1153



EN1152

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

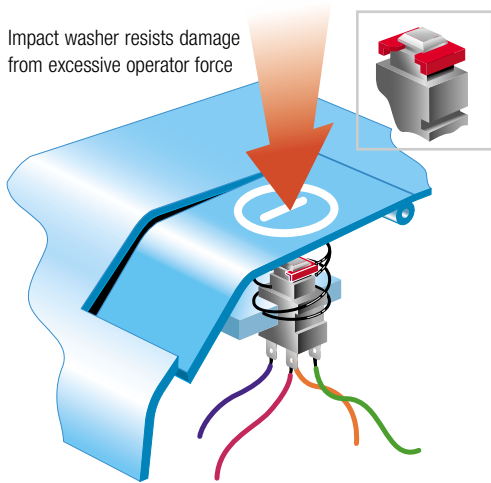
3mm contact gap.
 Technical data on pages 4 & 5.

H 8200 A A ---
 TERMINAL FUNCTION ACTUATOR BODY OPTIONS

push switches

TERMINAL	FUNCTION	ACTUATOR
<p>C</p> <p>6.3 x 0.8</p>		<p>A Standard actuator for snap-on custom adaptors</p> <p>8.0</p>
<p>H</p> <p>4.8 x 0.8</p> <p>A</p> <p>7.6</p> <p>As H, 4.8 x 0.8 Right angle</p>	<p>8200 ON - OFF Single pole</p>	<p>B Flat top actuator</p> <p>5.5</p>
<p>K</p> <p>2.8 x 0.8</p>	<p>8201 ON - OFF (momentary ON) Single pole</p>	<p>C Curved top actuator</p> <p>8.0</p>
<p>T</p> <p>2.6</p> <p>1.5</p> <p>7.0</p> <p>Solder</p>	<p>8250 ON - OFF Double pole</p>	<p>Examples of possible actuation methods</p> <p>Using a Snap on adaptor</p>
<p>X</p> <p>4.5</p> <p>7.0</p> <p>PCB 0.8 Sq</p> <p>V</p> <p>3.7</p> <p>4.3</p> <p>Dual pin PCB 0.8 Sq (Call sales for matrix dims)</p>	<p>8251 ON - OFF (momentary ON) Double pole</p>	<p>Using a Hinged Actuator</p>
<p>M</p> <p>5.3</p> <p>7.3</p> <p>As V, PCB but Right angle</p>		

Alternative Actuator



C8250AA ---
with impact washer M1226



X8201AA ---



K8200AA ---



A8200AA ---



M8200AC ---

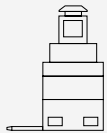


Example of M8200AC

BODY

A

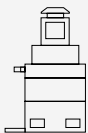
Standard body



See dimensioned drawings for details

C

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

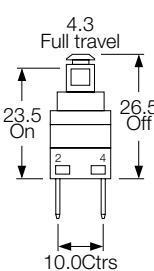
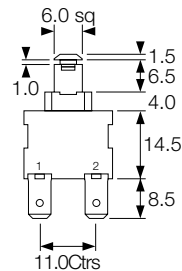
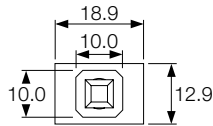


See dimensioned drawings for details

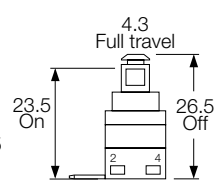
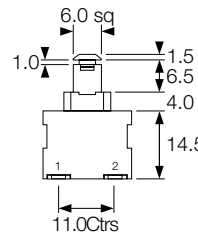
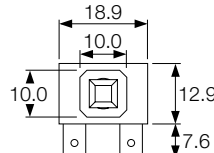
X and V PCB terminals.
Additional dummy terminals may be supplied for extra support.

DIMENSIONS (mm)

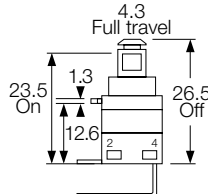
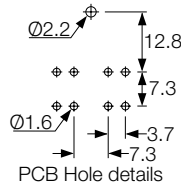
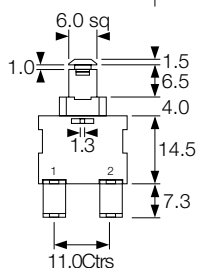
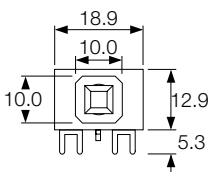
'A' body with 'H' 4.8 terminals



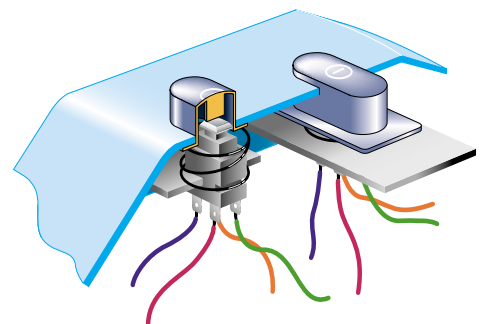
'A' body with 'A' right angle 4.8 terminals



'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:
25.0 dia
27.2 x 22.3



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

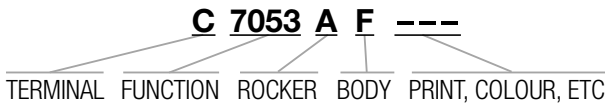


UL CSA 16A Non Ind, 250Vac 1hp, 125Vac 1/2hp
UL 65°C, file no. E45221, CSA file no. LR10990



RoHS compliant

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



push switches

TERMINAL	FUNCTION			ACTUATOR
C 6.3 x 0.8 9.1	7000		Single pole ON - OFF	A Round actuator shown in F body 21.0 9.7 A Round actuator shown in G body B Round actuator - medium shown in F body C Round actuator - long shown in F body 21.1 11.5 9.1 18.6 D Round actuator - sub panel mount 21.1 9.7 16.9 S Rectangular actuator Shown in "A" body N/A for 7030 19.5 8.8
	7001		Single pole ON - OFF (momentary ON)	
	7003		Single pole ON - OFF with light	
	7004		Single pole ON - OFF (momentary ON) with light	
H 4.8 x 0.8 9.1	7050		Double pole ON - OFF	
	7051		Double pole ON - OFF (momentary ON)	
	7053		Double pole ON - OFF with light	
	7054		Double pole ON - OFF (momentary ON) with light	
	7030		Indicator	



C7000AF ---



C7003AF ---



C7053CF ---



C7053BF ---



C7050SA ---



C7053AG ---



C7053DF ---

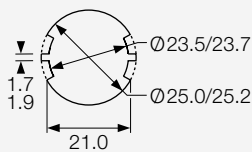
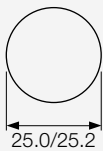


C7030AH ---

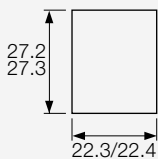
BODY

Panel cut-outs

F H G Body types fit either cut-out



A



Cut-outs must be punched in the direction of insertion

OPTIONS

Finish

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

Colour

Call sales for custom colours.
A full range is available for large orders.

Legend printing

A wide range is available or call sales for custom legends.

Lamp voltage

Call sales for details of available voltages.

Protective housing (E)

(designed to IP65)

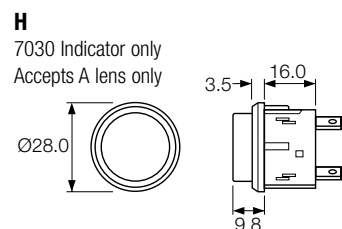
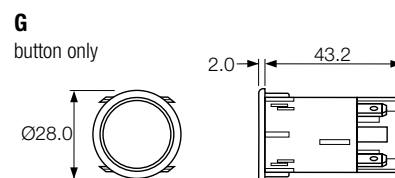
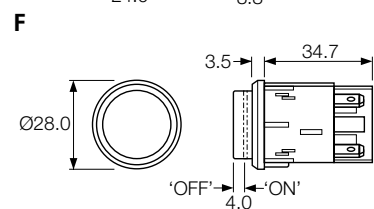
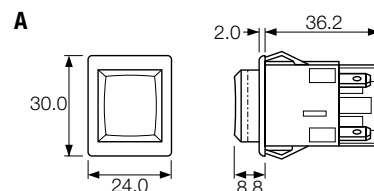
Covers are available for round body styles, call sales for details.

DIMENSIONS (mm)

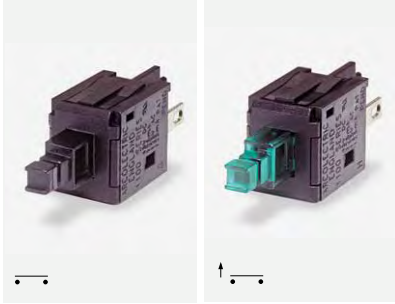
Panel thickness:

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

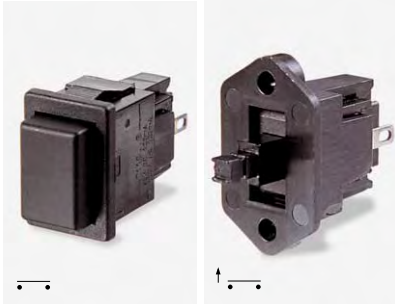
In house test

0.5A 250Vac T85

RoHS

RoHS compliant

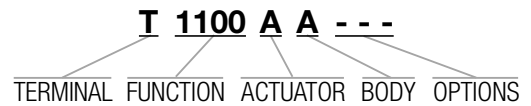
μ contact gap.
Technical data on pages 4 & 5.



T1100BB ---



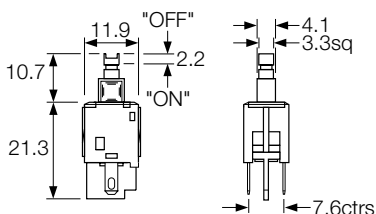
T1100AC ---



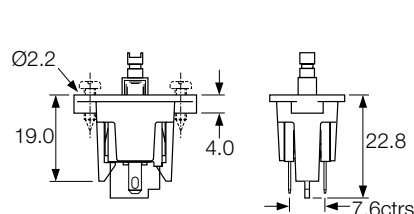
▶ TERMINAL	▶ FUNCTION	▶ ACTUATOR	▶ BODY
T 	 1100 ON - OFF (alternate) Single pole	A Actuator without button B Softline button 	A For purpose designed facias and sub-panels B Snap-in fixing Panel thickness Dimension X 0.75-1.24 19.1/19.2 1.25-1.99 19.3/19.4 2.00-3.00 19.7/19.8
	1101 ON - OFF (momentary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

Dimensions (mm)

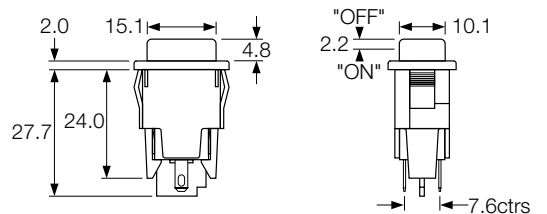
T1100AA (Enclosure mounting)



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

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



T0916SO --- & T0916LO ---
T0916VA ---

T 0916 S O ---

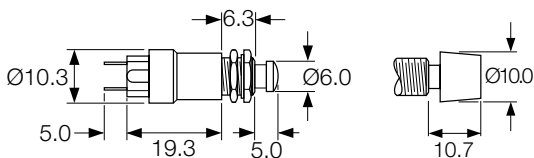
TERMINAL FUNCTION ACTUATOR BODY COLOUR

push switches

▶ TERMINAL	▶ FUNCTION	▶ ACTUATOR	▶ BODY	▶ OPTIONS
T Solder	0916 Black base SP ON-OFF (momentary ON)	S Small Actuator 	O for L and S Actuator Panel Cut-out Panel thickness Both nuts - 2.5mm No backnut - 4.0mm	Finish Gloss finish for L and S actuators. Colour Call sales for custom colours. A full range is available for large orders.
	0917 50V only Brown base SP ON-ON (momentary 1 side)	L Large Actuator 		
	0918 White base SP ON-OFF (momentary OFF)	V Vandal Resistant IP66 Flat top Stainless steel 	A for V Actuator (stainless steel) Chamfer profile bezel Panel Cut-out Panel thickness - 8.0mm	
	0919 Black base SP ON-ON (momentary 1 side)			
	0920 White base DP ON-OFF (momentary ON)			

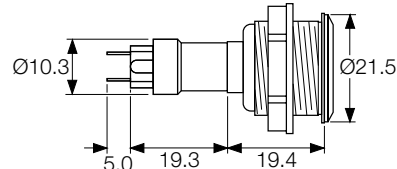
Dimensions (mm)

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

0911 Push Button Snap Action Switches Up to 16(4)A 250Vac



C0911KB ---

C0911VA ---

- ▶ Snap action switches
- ▶ Ratings up to 16A, 250V ac
- ▶ Round and rectangular buttons
- ▶ Stainless steel, IP66 vandal resistant button



16(4)A 250Vac 50E3

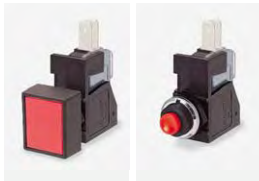
16A 125/250Vac 3/4hp T85 50E3 UL file no. E45221

125V 1/2 HP, 250V 3/4 HP, 0.4A 125Vdc, 0.2A 250Vdc

RoHS

RoHS compliant

Approvals apply to switch mechanism only.
 μ contact gap.
 Full rating details and technical data on pages 58 & 59.



C0911RB ---

C0911PB ---

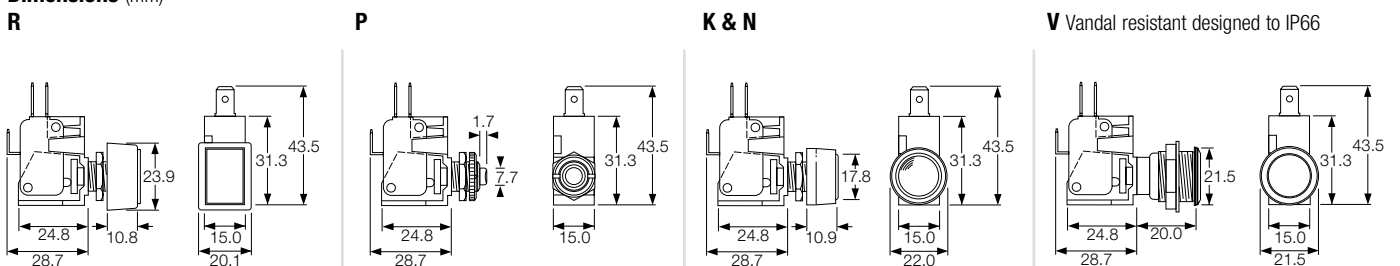
C 0911 K B ---

TERMINAL FUNCTION ACTUATOR BODY COLOUR

push switches

▶ TERMINAL	▶ FUNCTION	▶ ACTUATOR	BODY	▶ OPTIONS
<p>C</p> <p>6.3 x 0.8</p> <p>12.0</p>	<p>0911</p> <p>ON - ON (momentary)</p>	<p>R Rectangular bezel</p> <p>P Short</p> <p>K with satin chrome bezel N with nylon bezel</p> <p>V Vandal resistant</p>	<p>B N/A for V Actuator</p> <p>Panel Cut-out</p> <p>Panel thickness Both nuts 2.5mm No backnut 4.0mm</p> <p>A Stainless steel chamfer profile bezel for V actuator only</p> <p>Panel Cut-out Panel thickness 8.0mm</p>	<p>Colour Call sales for custom colours. A full range is available for large orders.</p> <p>Cover M323 Available for "P" actuator only</p> <p>Covers have internal nylon nut</p>

Dimensions (mm)



1900 Vandal Resistant Switches - Designed to IP66

ermec@ermec.com



3A 250Vac T85



5A 125/250Vac T85 50E3 UL file no. E45221



RoHS compliant

Approvals apply to switch mechanism only.
 μ contact gap.
 Switching mechanisms are snap action (not sealed).
 See rating details and technical data on pages 56 & 57.

- ▶ Stainless steel button and bezel
- ▶ Vandal resistant construction
- ▶ Front panel sealed to IP66
- ▶ Single and dual change-over switching



P1911VL ---



P1961VL ---

P 1911 V L

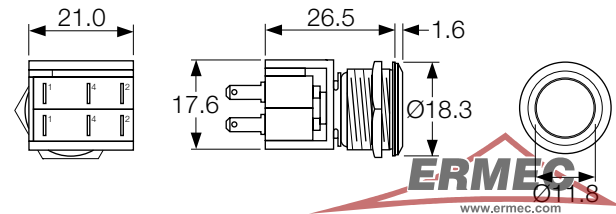
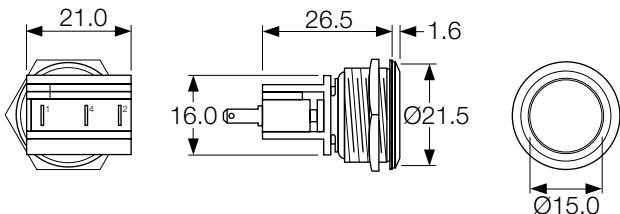
TERMINAL FUNCTION ACTUATOR BODY

TERMINAL	FUNCTION	ACTUATOR	BODY
<p>P</p> <p>2.8 x 0.5</p>	<p>1911</p> <p>ON - ON (momentary 1 side) Single pole</p>	<p>V</p> <p>Flat top (stainless steel)</p>	<p>A</p> <p>Stainless steel Chamfer profile bezel</p> <p>Ø19.2 Panel cut-out Panel thickness up to 4.0mm</p>
<p>T</p> <p>Solder</p>	<p>1961</p> <p>ON - ON (momentary 1 side) Double pole</p>	<p>P</p> <p>Domed top (stainless steel)</p>	<p>L</p> <p>Stainless steel Chamfer profile bezel</p> <p>Ø16.0 Panel cut-out Panel thickness up to 4.0mm</p>
<p>X</p> <p>PCB</p>			

Dimensions (mm)

Single pole (P1911VA shown)

Double pole (P1961VL shown)



www.ermec.com

8300 Vandal Resistant Switches - Designed to IP66 info@ermec.com



H8300RP ---

- ▶ Momentary and latching action
- ▶ Ratings up to 16A, 250V ac
- ▶ Single and double pole
- ▶ Stainless steel button & bezel
- ▶ Vandal resistant construction
- ▶ Front panel sealed to IP66
- ▶ Wide choice of terminals



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.
 Switching mechanism not sealed.

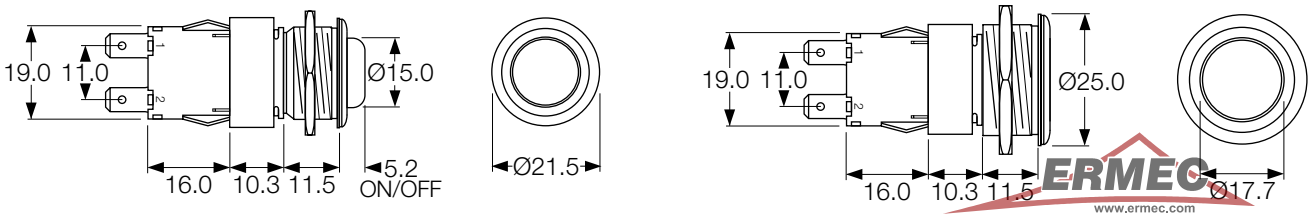
H 8300 R P

TERMINAL FUNCTION ACTUATOR BODY

vandal resistant switches

TERMINAL	FUNCTION	ACTUATOR	BODY
<p>C</p> <p>6.3 x 0.8</p> <p>10.1</p> <p>H</p> <p>4.8 x 0.8</p> <p>8.5</p>	<p>8300</p> <p>ON - OFF (alternate) Single pole</p>	<p>R (for P body only) Raised top (stainless steel)</p>	<p>P (for R actuator only) Stainless steel, Soft profile bezel</p> <p>Panel cut-out Panel thickness 0.75 - 8.0mm</p>
<p>K</p> <p>2.6</p> <p>1.5</p> <p>8.5</p> <p>Solder</p> <p>T</p> <p>2.6</p> <p>1.5</p> <p>7.0</p> <p>Solder</p>	<p>8301</p> <p>ON - OFF (momentary ON) Single pole</p>	<p>V Flat top (stainless steel)</p>	<p>M Stainless steel</p> <p>Panel cut-out Panel thickness 0.75 - 8.0mm</p>
<p>V</p> <p>3.7Ctrs</p> <p>4.3</p> <p>Dual pin PCB</p> <p>X</p> <p>4.5</p> <p>7.0</p> <p>0.8Sq PCB</p>	<p>8350</p> <p>ON - OFF (alternate) Double pole</p>	<p>P Domed top (stainless steel)</p>	<p>Panel cut-out Panel thickness 0.75 - 8.0mm</p>
	<p>8351</p> <p>ON - OFF (momentary ON) Double pole</p>		

Dimensions (mm)
8300RP (H terminals shown)



0911 Vandal Resistant Switches - Designed to IP66



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

μ contact gap.

- ▶ Snap action switches
- ▶ Ratings up to 16A, 250V ac
- ▶ Stainless steel button and bezel
- ▶ Front panel sealed to IP66
- ▶ Single pole C/O switch



C0911VA ---

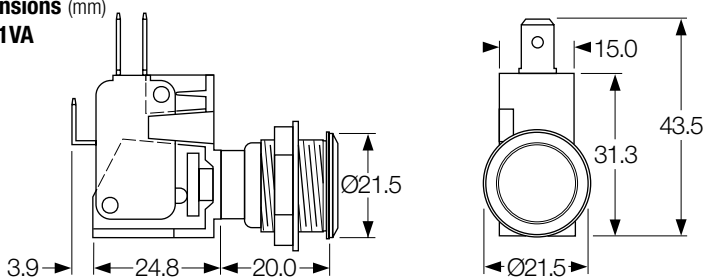
C 0911 V A

TERMINAL FUNCTION ACTUATOR BODY

▶ TERMINAL	▶ FUNCTION	▶ ACTUATOR	▶ BODY
<p>C</p> <p>6.3 x 0.8</p>	<p>0911</p> <p>ON - ON (momentary 1 side)</p>	<p>V Flat top (stainless steel)</p>	<p>A Stainless steel Chamfer profile bezel</p> <p>Panel cut-out Panel thickness up to 8.0mm</p>

Dimensions (mm)

C0911VA



2000 Slide Switches - up to 5 position 10A 250Vac



- ▶ Slide switches
- ▶ Ratings up to 16A, 250V ac
- ▶ PCB and solder terminals
- ▶ 2, 3, 4 and 5 position
- ▶ Choice of circuits
- ▶ Choice of actuators



10A 250Vac T85
6(3)A 250Vac T85



UL CSA 16A 250Vac Non Inductive
UL CSA 4A 300Vac
UL 65°C, file no. E45221, CSA file no. LR10990



RoHS compliant

μ contact gap

Please specify: Standard action (SP116) or Light action (SP118).
2000 series lubrication is inorganic and does not degrade plastics.

Technical data on pages 4 & 5.

T 2 2 20 5 C ---

TERMINAL SERIES POSITIONS CIRCUIT SLIDER BODY PRINT, COLOUR, ETC

ERMEC
www.ermec.com
Distribución de componentes eléctricos y electrónicos

Tel.: (+34) 902 450 160
Fax: (+34) 902 433 088
ermec@ermec.com
www.ermec.com

TERMINAL	SERIES	POS'N	CIRCUIT <small>Viewed from back</small>	SLIDER
<p>K</p> <p>2.8 x 0.8</p>	2	2 Switching positions	<p>10</p>	<p>0</p>
<p>R</p> <p>2.8 x 0.8</p>			<p>20</p>	<p>6</p>
<p>T</p> <p>Solder</p>			<p>30</p>	<p>D</p>
<p>X</p> <p>PCB 0.8 Sq.</p>			<p>40</p>	<p>L</p>
<p>Y</p> <p>PCB 0.8 Sq. For mounting stability switches have extra "support" terminals</p> <p>* Nominal - Dimension varies with body type. For exact figure call sales</p>		3 Switching positions	<p>10</p>	<p>1</p>
			<p>20</p>	<p>7</p>
			<p>30</p>	<p>E</p>
			<p>40</p>	<p>N</p>
		4 Switching positions	<p>10</p>	<p>2</p>
			<p>20</p>	<p>9</p>
			<p>30</p>	<p>G</p>
			<p>40</p>	<p>P</p>
	5 Switching positions	<p>10</p>	<p>3</p>	
		<p>20</p>	<p>A</p>	
		<p>30</p>	<p>H</p>	
		<p>40</p>	<p>R</p>	
		<p>10</p>	<p>4</p>	
		<p>20</p>	<p>B</p>	
		<p>30</p>	<p>J</p>	
		<p>40</p>	<p>S</p>	
		<p>10</p>	<p>5</p>	
		<p>20</p>	<p>C</p>	
		<p>30</p>	<p>K</p>	
		<p>40</p>	<p>T</p>	

slide switches



X22205C ---



T2220EC ---



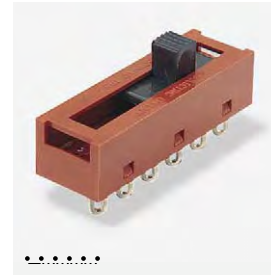
T23206A ---



T24306A ---



T25302A ---



T25100A ---

BODY

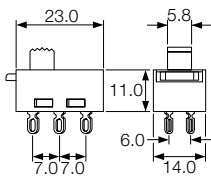
<p>C 2 positions</p>	<p>H 2 positions</p>
<p>A 3 positions</p>	<p>H 3 positions</p>
<p>A 4 positions</p>	<p>H 4 positions</p>
<p>A 5 positions</p>	

OPTIONS

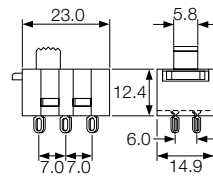
Colour
 For custom slider colours call sales. A full range is available for large orders

DIMENSIONS (mm)

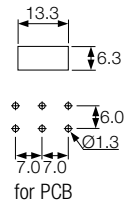
2 Position C body



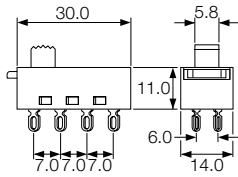
2 Position H body



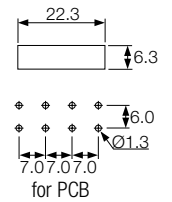
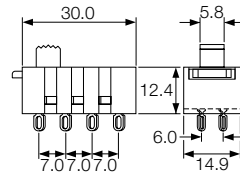
Cut-out/PCB Matrix



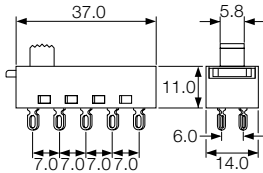
3 Position A body



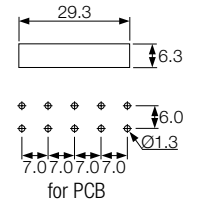
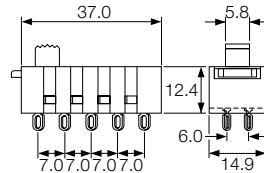
3 Position H body



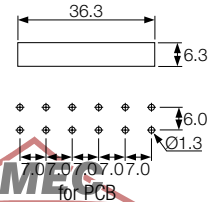
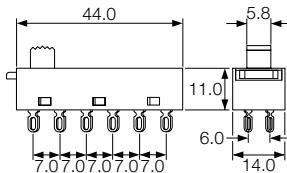
4 Position A body



4 Position H body



5 Position A body



2000 Slide Switches - Snap-in & 2 hole fixing 10A 250Vac



- ▶ 2 way 'voltage selector'
- ▶ Ratings up to 10A, 250V ac
- ▶ Snap in and flange mounting
- ▶ PCB & solder terminals
- ▶ 2 and 3 position
- ▶ Choice of circuits
- ▶ Choice of actuators



10 A 250Vac T85
6(3)A 250Vac T85



UL CSA 16A 250Vac Non Inductive
UL CSA 4A 300Vac
UL 65°C, file no. E45221, CSA file no. LR10990



RoHS compliant

μ contact gap

Please specify: Standard action (SP116) or light action (SP118).
2000 series lubrication is inorganic and does not degrade plastics.

Technical data on pages 4 & 5.

115/230 is preferred legend

T 2 2 20 5 B ---

TERMINAL SERIES POSITIONS CIRCUIT SLIDER BODY PRINT, COLOUR, ETC

TERMINAL	SERIES	POS'N	CIRCUIT <small>Viewed from back</small>	SLIDER				
K 2.8 x 0.8		2	10 20 30 40 	0 2 Pos B Body only 5.8Sq 6.0 21.0	6 2 & 3 Pos B Body only 5.8Sq 6.0 15.5	C 2 & 3 Pos B Body only 5.8Sq 2.3 13.5 Ø2.0 Hole	L 2 & 3 Pos B Body only Limited travel on 2 pos 8.0 7.9 15.5 2.3 Blade 5.8	S Limited travel on 2 pos 2 & 3 Pos B Body only 8.0 9.0 15.5 2.2 Blade 5.8
				2 2 Pos B Body only 5.8Sq 1.7 21.0 Ø2.0 Hole	7 2 & 3 Pos B Body only 5.8Sq 4.0 15.5	D 2 & 3 Pos B Body only 5.8Sq 9.5 15.5	M F Body only Legend optional 4.1 18.4 4.8	T 2 & 3 Pos B Body only 5.8Sq 4.6 15.5
				3 2 & 3 Pos B Body only 5.8Sq 2.4 Slot 11.0 15.5	8 E Body only Legend optional 4.0 18.4 8.0	E 2 Pos B Body only Limited travel on 2 pos 7.0 8.2 9.2 21.0 2.0 Blade 5.8	N 2 Pos B Body only 4.2 7.5 21.0 5.8	
				4 2 & 3 Pos B Body only Ø2.5 3.0 15.5 5.8Sq	9 2 & 3 Pos B Body only 5.8Sq 3.5 15.5	H 2 Pos B Body only 5.7Sq 4.7 21.0	P 2 & 3 Pos B Body only Limited travel on 2 pos 7.7 4.0 15.5 5.6	
X 1.6 5.6 PCB 0.8 Sq. For mounting stability switches have extra "support" terminals * Nominal - Dimension varies with body type. For exact figure call sales	2	3	10 8 6 4 2	5 2 Pos B Body only Also with legend 5.8Sq 1.0 21.0 Ø2.0 Hole	A 2 Pos B Body only 5.8Sq 9.5 21.0	K 2 & 3 Pos B Body only Limited travel on 2 pos 8.0 5.4 15.5 2.3 Blade 5.8	R 2 & 3 Pos B Body only Ø5.0 2.4 15.5 5.8	

slide switches



T22208E ---



T22308E ---



T2230MF ---



T22205B ---



T22305B ---

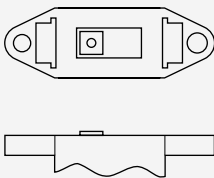


T23204B ---

BODY

OPTIONS

B With fixing holes



Colour

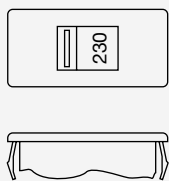
For custom slider colours call sales. A full range is available for large orders

Standard body colour is black

Legend printing

A wide range is available

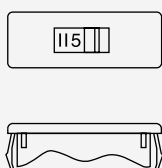
E Snap-in



Cut-outs must be punched in the direction of insertion

For all options call sales

F Snap-in (single pole ON OFF only)

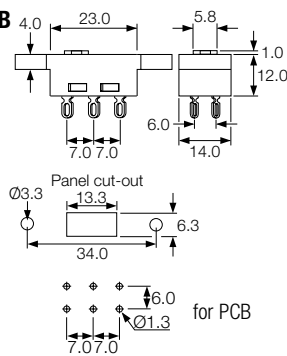


Cut-outs must be punched in the direction of insertion

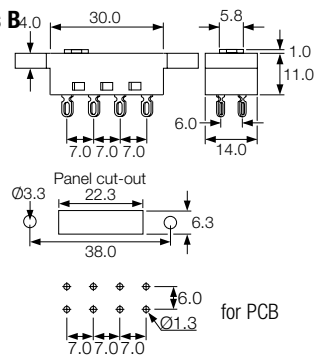
DIMENSIONS (mm)

Cut-out / PCB Matrix

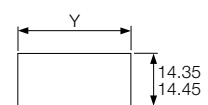
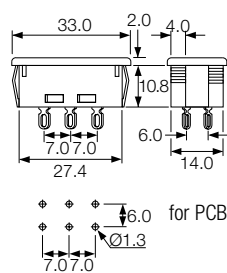
2 Pos B



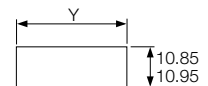
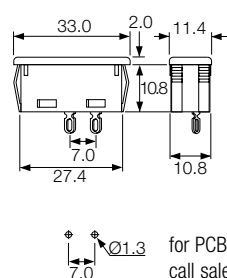
3 Pos B



2 Pos E



2 Pos F



V4 Snap-action Switches Up to 5A 250Vac

ermec@ermec.com



- ▶ Snap action switches
- ▶ Ratings up to 5A, 250Vac
- ▶ Industry standard V4
- ▶ Changeover, NO or NC function
- ▶ Choice of terminals and actuators
- ▶ Further options include lever types and terminal styles



5A 125Vac, 3A 250Vac 5E4



5A 125/250Vac UL file no. E45221



RoHS compliant

μ contact gap.

P V4 1 0 N 01 23 AAA

TERMINAL SWITCH SERIES VARIANT FUNCTION LEVER POSITION LEVER SHAPE OPERATING FORCE OTHER FEATURES

TERMINAL	SWITCH SERIES	VARIANT	FUNCTION	LEVER POSITION
<p>P</p> <p>2.8 x 0.5</p>	V4	1 Standard T85	<p>0</p> <p>CO ON-(ON) (momentary 1 side)</p>	A Standard ratio
<p>T</p> <p>Solder</p>				
<p>X</p> <p>PCB</p>				
<p>D</p> <p>RH PCB</p>				
<p>J</p> <p>LH PCB</p>				
<p>Viewed from non plunger end (NC terminal end)</p>		2 High Temperature T125	<p>1</p> <p>NO (ON) - OFF (momentary ON)</p> <p>2</p> <p>NC ON - (OFF) (momentary OFF)</p>	N No lever



www.ermec.com



PV410N9908



XV410A1023



DV410N0016



JV410A0323



XV410A0623



PV410N0016

LEVER SHAPE

OP. FORCE

00 No lever

01 03 Plain lever

06 Roller lever

10 Snake lever

99 Domed actuator

(without lever)

08 80gms

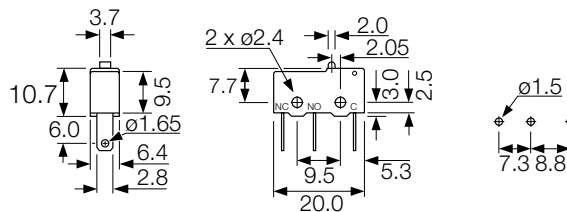
16 160gms

23 230gms

	01	03	06	10
Dim H	12.4	13.2	17.5	21.0
Dim L	18.5	24.8	16.5	39.4

Many alternative actuators are available
Contact sales for details

DIMENSIONS (mm)



TECHNICAL DATA

Mechanical life	> 1 million operations
Temperature rating	T85°C
Insulation resistance	> 1000MΩ
Tracking resistance	175V
Contact Gap	0.5

MECHANICAL DATA

High at rest point**	9.0
Trip point**	8.4 ± 0.3
Pre-travel	0.6 (max)
Movement differential	0.2 (max)
Overtravel	0.5 (min)

**Measured from fixing hole centres to top of plunger

MATERIALS

Body, lid & Plunger	Thermoplastic UL94V-0
Plunger	Thermoplastic UL94V-0
Terminals	Plated brass
Moving contact arm	Phosphor bronze
Spring	Stainless steel
Contacts	Fine silver
Actuator/roller	Stainless steel

snap action switches



V3 Snap-action Switches Up to 16(4)A 250Vac



- ▶ Snap action switches
- ▶ Ratings up to 16A, 250Vac
- ▶ Industry standard V3
- ▶ Changeover, NO or NC function
- ▶ Choice of terminals and actuators
- ▶ Further options include lever types and terminal styles



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



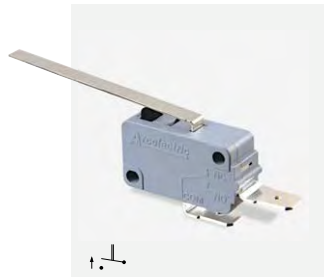
RoHS compliant

μ contact gap.

C V3 1 1 A 01 35 AAA

TERMINAL SWITCH SERIES VARIANT FUNCTION LEVER POSITION LEVER SHAPE OPERATING FORCE OTHER FEATURES

▶ TERMINAL	▶ SWITCH SERIES	▶ VARIANT	▶ FUNCTION	▶ LEVER POSITION
T Solder	V3	1 Standard T85	0 CO ON-(ON) (momentary 1 side)	A Standard ratio
C 6.3 x 0.8				
E 4.8 x 0.5				
H 4.8 x 0.8				
L RAST5 3 x 6.3 tabs on 5mm pitch				
		2 High Temperature T125	1 NO (ON) - OFF (momentary ON)	B High ratio
			2 NC ON - (OFF) (momentary OFF)	N No lever



CV311A0420



CV311N0005



TV311A0316



LV310N0010



CV312A1335



CV310N0010

LEVER SHAPE

OP. FORCE

00 No lever

01
02
04

Plain lever

without lever

05
55gms

03

Snake lever

10
100gms

12
13

Roller lever

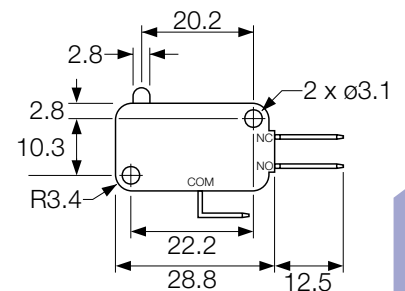
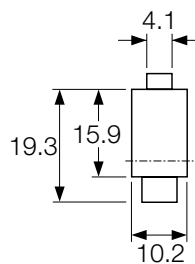
20
200gms

	01	02	03	04	12	13
Dim X	16.9	18.6	21.5	21.8	22.3	24.0
Dim Y	24.2	35.7	32.7	59.2	21.5	34.0

Many alternative actuators are available.
Contact sales for details.

35
350gms

DIMENSIONS (mm) (3 terminals shown)



TECHNICAL DATA

Mechanical life >1 million operations
 Operating Temperature -25°C to +85°C
 Insulation resistance >1000MΩ
 Tracking resistance 175V
 Contact gap 0.6 (min)

MECHANICAL DATA

High at rest point** 15.9
 Trip point** 14.7 ±0.5
 Pre-travel 1.2 (max)
 Movement differential 0.4 (max)
 Overtravel 1.25 (min)

**Measured from lower hole centre to top of plunger.

MATERIALS

Body, lid & Plunger Thermoplastic UL94V-0
 Terminals Plated brass
 Moving contact Phosphor bronze silver plated
 Spring Beryllium copper
 Contacts Fine silver
 Actuator/roller Stainless steel

snap action switches

Safety Cut-out Switches 16A 250Vac



Safety requirements for Portable Heaters can be met by the fitting of a safety cut-out switch. The heater will then turn off if overturned.



- ▶ Safety cut-out switches
- ▶ Ratings up to 16A, 250V ac
- ▶ Snap action switches
- ▶ NC contacts
- ▶ Pendulum or lever tilt operation

C0320AA
15A 125/250Vac 1E4

15A 125/250Vac UL file no. E91274
15A 1/2HP, 125/250Vac CSA file no. LR85259-2

C0320BB
16A 125/250Vac T85 50E3

16A 250Vac 3/4hp T85 125Vac 1/2hp UL file no. E45221

RoHS compliant

μ contact gap.

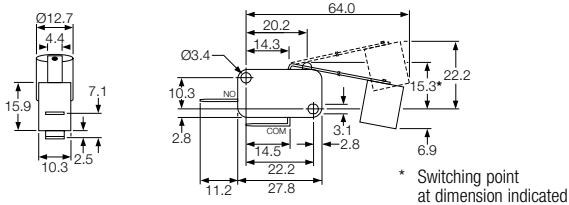
C0320AA - - -

TERMINAL FUNCTION ACTUATOR MOUNTING

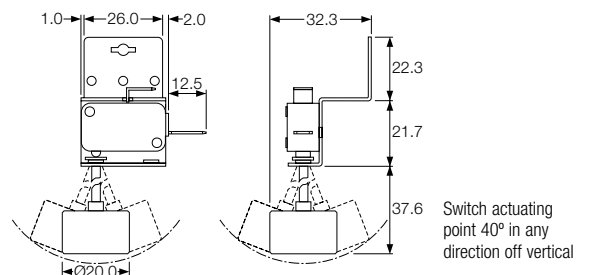
ORDER CODE	TERMINAL	FUNCTION	ACTUATOR	MOUNTING
C0320AA		 ON - OFF (momentary OFF)		
C0320BB		 ON - OFF (momentary OFF)		

Dimensions (mm)

C0320AA



C0320BB



0305 Combined Switch / Lampholder for Freezers



2A 250Vac 25 T 85



UL 15W 125/250Vac
UL 65°C, file E116391



RoHS compliant

Switched units have μ contact gap.
Technical data on pages 4 & 5.

- ▶ E12 and E14 lamps
- ▶ Switch rating up to 2A, 250V ac
- ▶ Auto switching
- ▶ Mercury free
- ▶ Available with right or left hand orientation
- ▶ Available as lampholder only



C0305RT - - -



C0305LT - - -

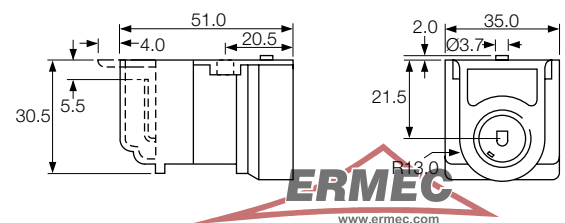
C 0305 R T - - -

TERMINAL FUNCTION MOUNTING BODY COLOUR, ETC

▶ TERMINAL	▶ FUNCTION	▶ MOUNTING	▶ BODY	▶ OPTIONS
<p>C</p> <p>6.3 x 0.8</p>	<p>0305 (E14)</p> <p>ON - OFF Switch and Lampholder</p> <p>0306 (E12)</p> <p>ON - OFF Switch and Lampholder</p>	<p>L</p> <p>For Left hinged lid for 0305/0306 switches not for 0307/0308 lampholders</p> <p>View from bulb end</p>	<p>T</p> <p>Body without flange for 0305/0306 switches and for 0308 lampholders</p> <p>Top view</p>	<p>Colour</p> <p>Call sales for colours. A full range is available for large orders.</p>
<p>H</p> <p>4.8 x 0.8</p>	<p>0307 (E14)</p> <p>Lampholder only (No Switch)</p> <p>0308 (E12)</p> <p>Lampholder only (No Switch)</p>	<p>R</p> <p>For Right hinged lid for 0307/0308 lampholders or 0305/0306 switches</p> <p>View from bulb end</p>	<p>S</p> <p>Body with rear flange for 0307/0308 lampholders and for 0305/0306 switches</p> <p>Top view</p>	

Dimensions (mm) and Properties

The mechanism of this switch/lampholder does not contain mercury and may be safely used in food storage equipment. When fitted to the lid of a freezer storage cabinet, the switch will operate the lamp when the lid is opened to the angle of tilt shown in the drawing.



0055 Door Switches



C0055RB ---



C0056RB ---



C0055RB ---



C0056RB ---

- ▶ Door switches
- ▶ Ratings up to 2A, 250V ac
- ▶ High temperature rating up to 125°C
- ▶ Long overtravel
- ▶ Push button door switch



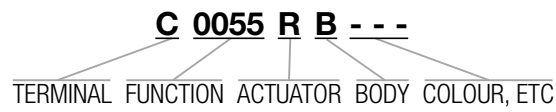
RoHS

0055 & 0056
0.2(0.2)A 250Vac 25T125 5E4
(50,000 operations)

RoHS compliant

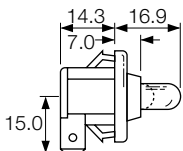
μ contact gap

Technical data on pages 4 & 5

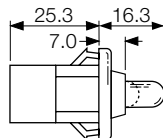


▶ TERMINAL	▶ FUNCTION	▶ ACTUATOR	▶ BODY	▶ OPTIONS
<p>C</p> <p>6.3 x 0.8</p> <p>9.1</p>	<p>0055</p> <p>ON - OFF (momentary OFF)</p>	<p>R</p>	<p>B</p> <p>Panel cut-out</p> <p>Panel thickness</p> <p>0055 1.0 - 1.6</p> <p>0056 1.0 - 2.6</p>	<p>Finish</p> <p>Gloss finish only</p> <p>Colour</p> <p>White or black</p> <p>Call sales for custom colours.</p>
<p>H (0056 only)</p> <p>4.8 x 0.8</p> <p>9.1</p>	<p>0056</p> <p>ON - OFF (momentary OFF)</p>		<p>Flange</p>	

Dimensions (mm)
C0055RB



C0056RB



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3005 Refrigerator Door Switches Splashproof



3005 25W 25T85 5E4 (50,000 Operations) 250Vac
3006 65W 25T85 5E4 (50,000 Operations) 250Vac



RoHS compliant

These products require 3mm minimum actuator stroke to ensure switch action and rating above.

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

- ▶ Door switches
- ▶ Momentary on and momentary off switching
- ▶ Splashproof
- ▶ Choice of terminal orientation
- ▶ Choice of actuators



C3005CB ---



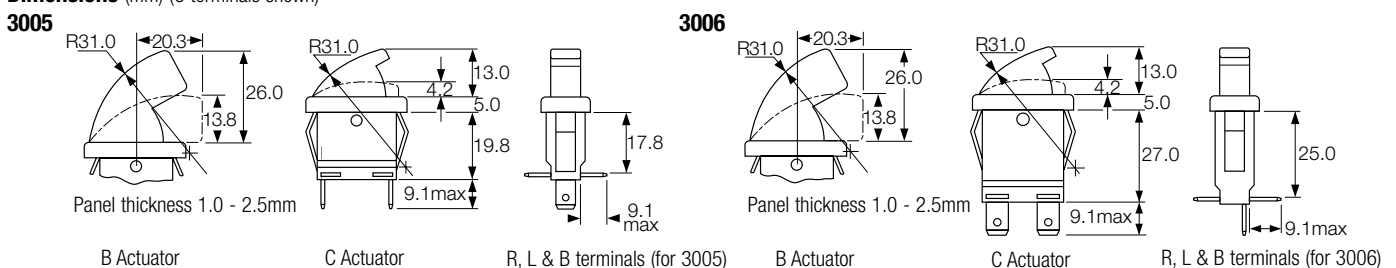
C3005BL ---

C 3005 C B ---

TERMINAL FUNCTION ACTUATOR BODY COLOUR, ETC

▶ TERMINAL	▶ FUNCTION	▶ ACTUATOR	▶ BEZEL / TERM ORIENTATION	▶ OPTIONS
C 6.3 x 0.8	3005 ON - OFF (momentary OFF) 1mm max travel to OFF position	B 26.0	3005 or 3006 R L B Terminal direction (viewed from hinge end) Panel cut-out Bezel Bezel Profile 12.1/12.2 25.4 25.5 30.2 14.0 5.0	Finish Gloss finish only Colour White is standard Call sales for custom colours. A full range is available for large orders.
H 4.8 x 0.8	3006 ON - OFF (momentary ON) 3mm min travel to ON position	C 13.0	3005 only D S U Terminal direction (viewed from hinge end) Panel cut-out Bezel (for sub panel mounting) Bezel Profile 12.1/12.2 25.4 25.5 30.2 18.0 2.0 5.0	

Dimensions (mm) (C terminals shown)



3100 Refrigerator Door Switches Splashproof



E3102AA --- E3111BA ---

- ▶ Door switches
- ▶ Ratings up to 5A, 250V ac
- ▶ Splashproof
- ▶ Changeover, momentary ON and momentary OFF
- ▶ Choice of actuators



5A 250Vac 25T85 5E4 (50,000 Operations)



UL CSA 5A 250Vac
UL 85°C, file E45221, CSA file LR10990

In house test

200W 250Vac Lampload (1,000,000 operations)

Independently tested to EN 60079-15



RoHS compliant

μ contact gap.
Technical data on pages 4 & 5.
Sealed terminals option available. Call sales for details.

E 3102 A A ---

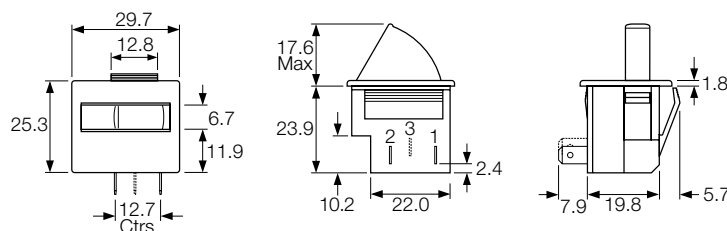
TERMINAL FUNCTION ACTUATOR BODY COLOUR, ETC

▶ TERMINAL	▶ FUNCTION	▶ ACTUATOR	▶ BODY	▶ OPTIONS
<p>E</p> <p>4.8 x 0.5</p> <p>For sealed terminals call sales</p>	<p>3101</p> <p>ON - OFF (momentary ON)</p> <p>3102</p> <p>ON - OFF (momentary OFF)</p> <p>3111</p> <p>ON - ON (momentary 1 side)</p>	<p>A</p> <p>B</p> <p>C</p> <p>D</p>	<p>A</p> <p>Panel cut-out Panel thickness 1.0 - 2.5mm</p>	<p>Finish Gloss finish only</p> <p>Colour White is standard</p> <p>Call sales for custom colours. A full range is available for large orders.</p>

Dimensions (mm) ("A" actuator shown)

- 3101 uses terminals 1,2
- 3102 uses terminals 1,2
- 3111 uses terminals 1,2,3

For details of actuator travel and switching angles call sales.



3140 Refrigerator Door Switches Splashproof



5A 250Vac 25T85 5E4 (50,000 Operations)



UL CSA 5A 250Vac
UL 85°C, file E45221, CSA file LR10990

In house test

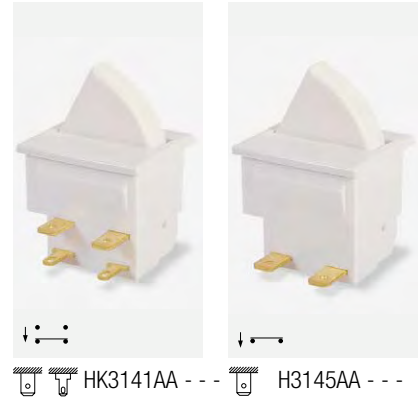
24Vac & 110Vac Lampload (500,000 operations)



RoHS compliant

3141, μ contact gap.
3145 and 3146, 3mm contact gap.
Technical data on pages 4 & 5.
Sealed terminals option available. Call sales for details.

- ▶ Door switches
- ▶ Ratings up to 5A, 250V ac
- ▶ Splashproof
- ▶ Momentary action
- ▶ Choice of actuators
- ▶ 2 circuit switch



HK 3141 A A - - -

TERMINALS FUNCTION ACTUATOR BODY COLOUR, ETC

▶ TERMINAL	▶ FUNCTION	▶ ACTUATOR	▶ BODY	▶ OPTIONS
<p>H</p> <p>4.8 x 0.8</p> <p>Standard format is H terminals in positions 1 & 2 and K terminals in positions 3 & 4</p> <p>For sealed terminals call sales</p>	<p>3141</p> <p>ON - ON (momentary)</p> <p>3145</p> <p>ON - OFF (momentary OFF)</p> <p>3146</p> <p>ON - OFF (momentary ON)</p>	<p>A</p> <p>B</p> <p>C</p> <p>D</p>	<p>A</p> <p>Optional cut-out for orientation</p> <p>Panel cut-out Panel thickness 1.0 - 2.5mm</p>	<p>Finish Gloss finish only</p> <p>Colour White is standard</p> <p>Call sales for custom colours. A full range is available for large orders.</p>

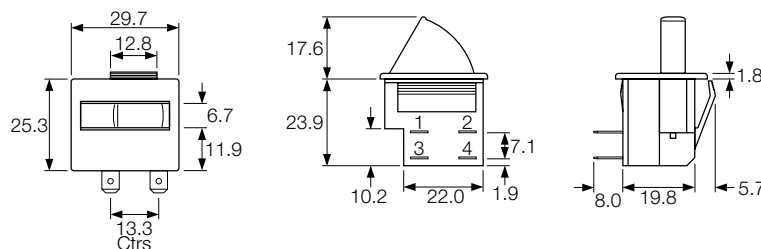
Dimensions (mm) ("A" actuator shown)

3141 uses terminals 1,2,3,4

3145 uses terminals 3,4

3146 uses terminals 1,2

For details of actuator travel and switching angles call sales.





- ▶ Rotary action switch
- ▶ Ratings up to 2A, 250V ac
- ▶ 4 position, single pole
- ▶ 90° indexed positions



2A 250Vac T85

UL 2A 250Vac, 65°C, file E45221

RoHS compliant

μ contact gap.

Technical data on pages 4 & 5.

A 4-position single pole rotary switch. All nylon construction, threaded neck and flatted 6.0mm dia. spindle. Positive detent action, 90° between index positions. Stops available to restrict rotation.

Various circuits may be obtained by changing the supply and load connections or by omission of one or two terminals. Line and loads may be connected to any terminals. Any three of the four contacts are always connected. Illustrated loads and line are for example only.

Suitable for class II appliances. Patent app.

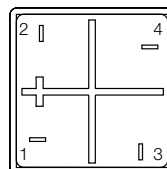
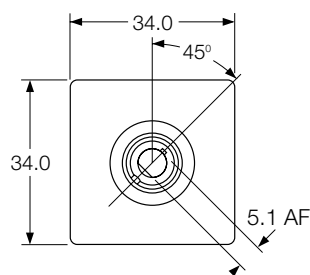
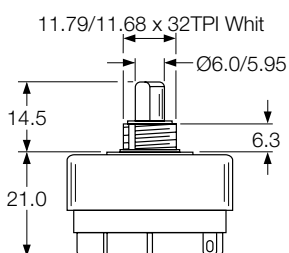
T9000 00 ---

T 9000

TERMINAL FUNCTION

TERMINAL	FUNCTION	BODY	OPTIONS
<p>T</p>	<p>9000</p> <p>Position 1 Viewed from terminal side</p> <p>Position 2</p> <p>Position 3</p> <p>Position 4</p>	<p>Panel Cut-out</p> <p>Panel thickness 1.25 - 3.5mm</p>	<p>Rotation Stops</p> <p>Can be specified to limit the number of switching positions</p>

Dimensions (mm)



www.ermec.com

9100 Pull Cord Switches ermec@ermec.com 16(4)A 250Vac



16(4)A 250Vac T125
16A 400Vac T125
8(8)A 250Vac T125 5E4 (50,000 Operations)



UL CSA 20A 277Vac, 250Vac 2hp, 125Vac 1hp
UL85°C, file no. E45221, CSA file no. LR10990

In house test

30A 12V dc

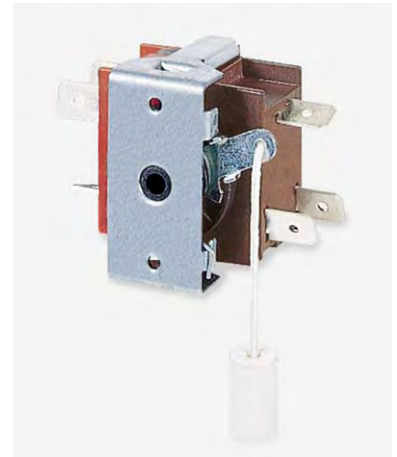
9100 pull cord switches have 45° indexing



RoHS compliant

3mm contact gap
Technical data on pages 4 & 5

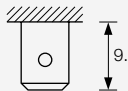
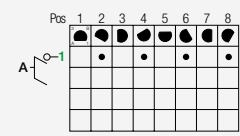
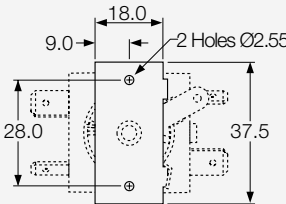
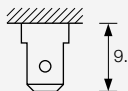
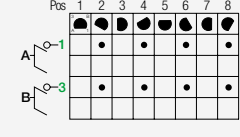
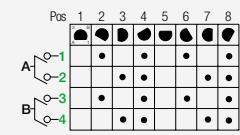
- ▶ Pull cord operation
- ▶ Ratings up to 16A, 250V ac; 20A, 28V dc
- ▶ 2 & 4 way rotary switch
- ▶ Pairs of single pole change over contacts
- ▶ Wide choice of switching circuits



C9821PC ---

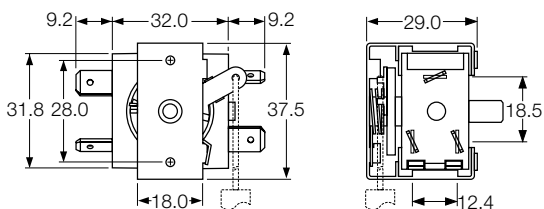
C 9 8 2 1 PC

TERMINAL SERIES PULL CORD POSITIONS CIRCUIT BODY

▶ TERMINAL	▶ SERIES	▶ POSITIONS/CIRCUIT	▶ BODY/MOUNTING
<p>C</p>  <p>6.3 x 0.8</p>	<p>98</p>	<p>21 Off 1</p> 	<p>PC 2 hole fixing</p> 
<p>H</p>  <p>4.8 x 0.8</p> <p>For approval information on H terminals, contact sales</p>		<p>22 Off 1+3</p> 	
		<p>41 Off 1+3, 2+4, 1+2+3+4</p>  <p>For other circuits please contact sales</p>	

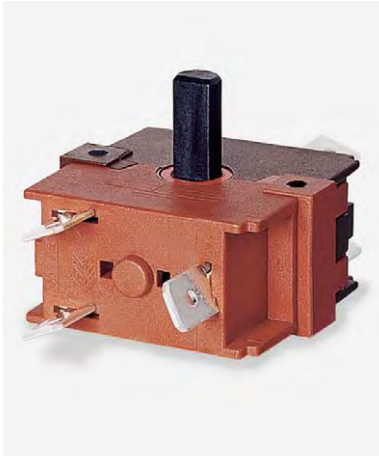
Dimensions (mm)

9100PC (C terminals shown)



www.ermec.com

9100 Rotary Switches 16A 250Vac



- ▶ 2 to 6 way rotary switch
- ▶ Ratings up to 16A, 250V ac; 20A, 28V dc
- ▶ Pairs of single pole change over contacts
- ▶ Wide choice of switching circuits
- ▶ Can be stacked together



16(4)A 250Vac T125
16A 400Vac T125



8(8)A 250Vac T125 5E4 (50,000 Operations)

UL CSA 20A Non Ind 277Vac, 250Vac 2hp, 125Vac 1hp
UL 85°C, file no. E45221, CSA file no. LR10990

In house test

30A 12V dc



RoHS compliant

9100 switches are highly versatile with up to 6 positions at 30° intervals and 6 terminals per switch. For more complex switching (7 positions & over), contact sales. Two switches may be stacked to give up to 12 terminal switching.

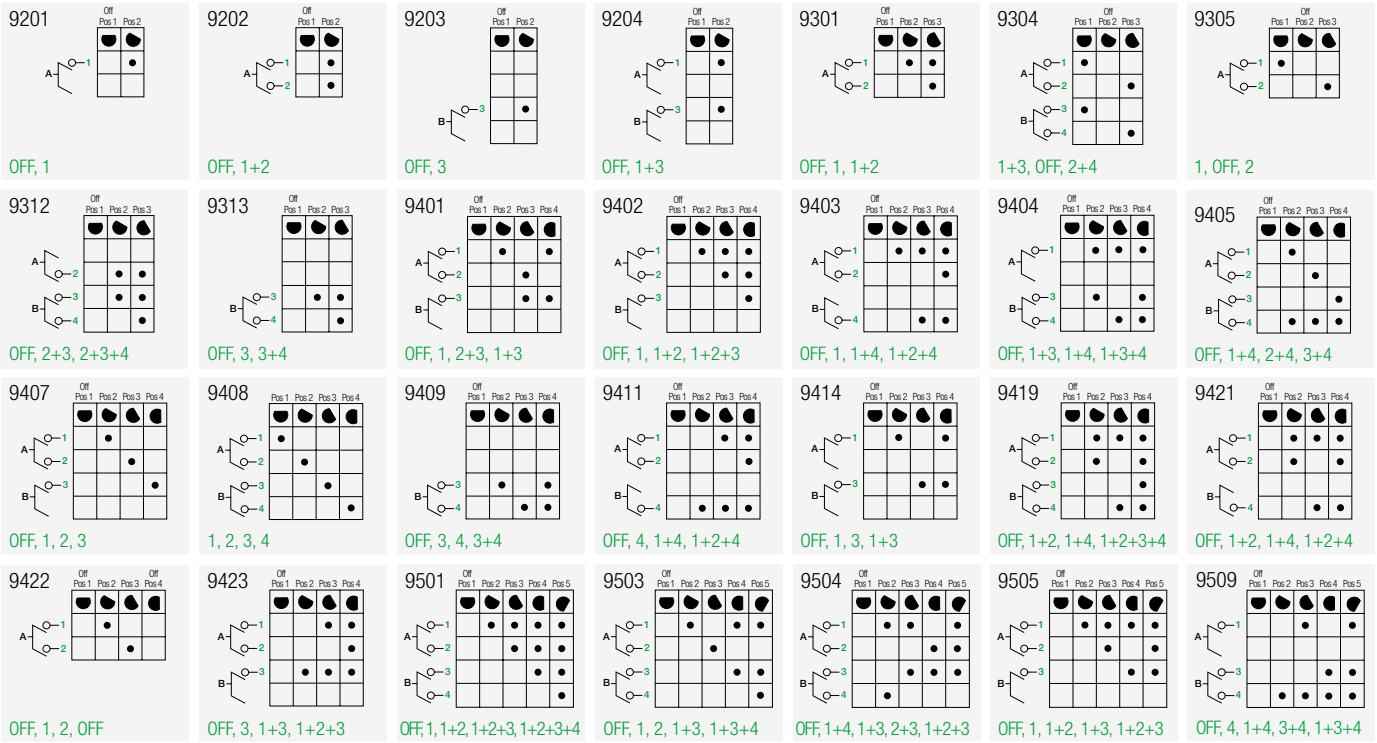
3mm contact gap.

Technical data on pages 4 & 5.

C 9 5 01 D A

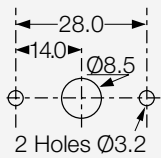
TERMINAL SERIES POSITIONS CIRCUIT SPINDLE BODY

TERMINAL	SERIES	POSITION	CIRCUIT	SPINDLE																					
<p>C</p> <p>6.3 x 0.8</p>	9	<p>2</p> <p>Switching positions</p>	<p>9100 switches offer almost infinite switching options</p> <p>For this reason it is impractical to show all the options available.</p> <p>The table below gives an example of a 5 position switching sequence:</p> <p>OFF, 1, 1+2, 1+2+3, 1+2+3+4</p> <table border="1"> <tr> <td></td> <td>Off</td> <td>Pos 1</td> <td>Pos 2</td> <td>Pos 3</td> <td>Pos 4</td> <td>Pos 5</td> </tr> <tr> <td>A</td> <td></td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> </tr> <tr> <td>B</td> <td></td> <td></td> <td></td> <td>●</td> <td>●</td> <td>●</td> </tr> </table>		Off	Pos 1	Pos 2	Pos 3	Pos 4	Pos 5	A		●	●	●	●	●	B				●	●	●	<p>A</p> <p>B</p> <p>C</p> <p>N</p> <p>A - Dim. X = 26.0 B - Dim. X = 22.0 C - Dim. X = 10.8</p> <p>K</p> <p>N - Dim. X = 20.0 K - Dim. X = 13.0</p>
		Off		Pos 1	Pos 2	Pos 3	Pos 4	Pos 5																	
A				●	●	●	●	●																	
B						●	●	●																	
		<p>3</p> <p>Switching positions</p>		<p>D</p> <p>T</p> <p>D - Dim. X = 12.2 T - Dim. X = 18.0</p>																					
		<p>4</p> <p>Switching positions</p>		<p>M</p>																					
	<p>5</p> <p>Switching positions</p>	<p>P</p>																							
	<p>6</p> <p>Switching positions</p>	<p>R</p> <p>for 2 gang switching</p>																							
<p>H</p> <p>4.8 x 0.8</p> <p>For approval information on H terminals, contact sales.</p> <p>Simple circuits may not use all terminals. Unnecessary terminals may be omitted.</p>		<p>S</p>	<p>L</p> <p>supplied without spindle</p>																						



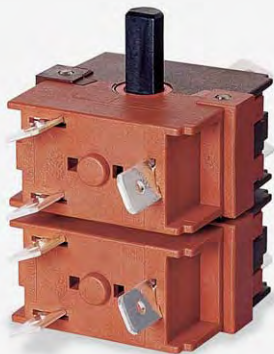
BODY

A
Standard 2 hole fixing



Recommended fixing
2 off No4 / 3.0mm self tapping screws
5.0mm min penetration into switch body.

Stacked Switches
For more complex switching a second switch may be stacked on the first.



OPTIONS

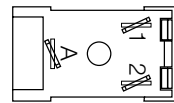
Anti-rotation stops
May be fitted at any of the index positions to limit the maximum angle of rotation.

Panel clearance
A spacer can be fitted to the switch body to increase the clearance between the mounting panel and switch terminals.

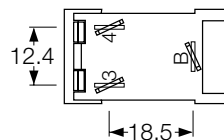
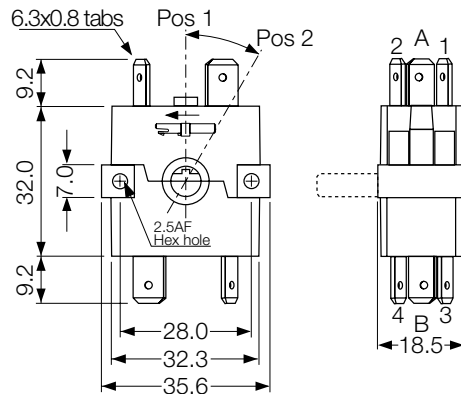
Custom spindles
Custom spindles of any length, with or without a "D" flat, can be produced from our infinitely variable tooling. The flat can be at any angle.

For all options call sales.

DIMENSIONS (mm)



Spindle Movement 360° in 30° intervals







rotary switches

Note
In the circuits on this page, the symbol ● shows the position of the switch cam, NOT the position of the spindle flat.

Indicator Lights Neon, LED and Filament Lamp

Colours and voltages:

-  **Neon** Available with Red, Amber, Green or Clear lenses 100/130V (marked 110V), 200/250V (marked 230V)
-  **LED - DC** Red, Yellow, Green, Blue, White 2.0/2.2V Resistors for other voltages available.
-  **LED - AC** Red, Yellow, Green, Blue, White 110-230V ac operation.
-  **Filament lamp** Available with Red, Amber, Green, Clear or Blue lenses 6V, 12/14V, 24/28V.

- ▶ Neon, LED, mains LED or filament lamp
- ▶ Bezel sizes from 6.7 to 16.3mm diameter
- ▶ Red, amber, green, blue and clear lenses
- ▶ Red, yellow, green, blue and white LEDs
- ▶ Wide choice of styles







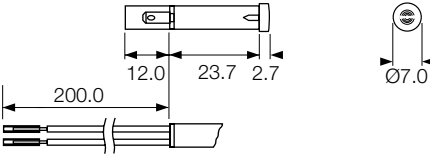




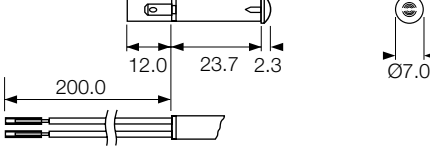




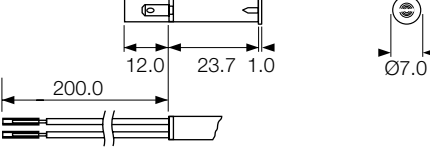





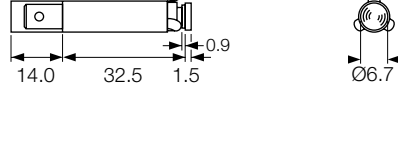



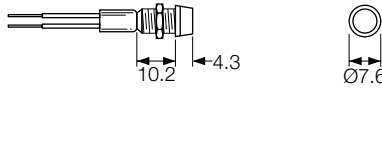





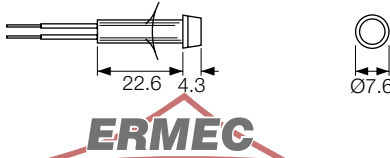
 **UL file E63363**
CSA file 1279633 / LR29381 ①

Approvals shown for neon versions only







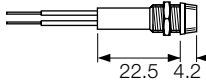







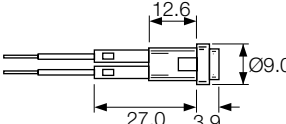






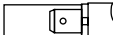
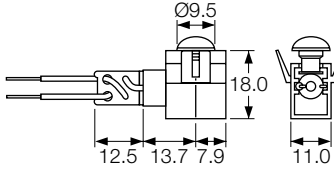








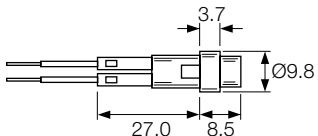






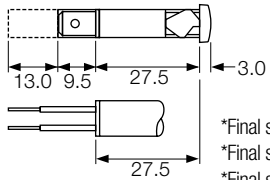






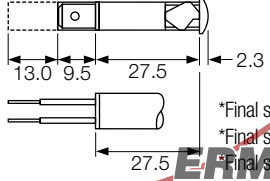


RoHS RoHS compliant

To create a catalogue number:

Refer to the 2 columns below (terminal and type), then state: Lens colour, voltage and whether neon, LED or filament lamp

TERM	TYPE	PANEL & °C	ILLUMINATION OPTIONS	DIMENSIONS (mm)
B 2.8 L	(C) 0566 A 	6.0 2.0max page 6	  	
B 2.8 L	(C) 0566 B 	6.0 2.0max page 6	  	
B 2.8 L	(C) 0566 C 	6.0 2.0max page 6	  	
C 6.3 L	(C) 0145 AA 	5.8 3.0max page 6	   	
L W	(L) 1041 00 Chrome bezel 	6.3 6.3max page 6	 	
L W	(L) 1045 00 Chrome bezel available 	6.3 10.0max page 6	   	






TERM	TYPE	PANEL & °C	ILLUMINATION OPTIONS	DIMENSIONS (mm)
L W	(L) 0245 00 Chrome bezel available  S D N H S 	7.1 6.3max page 6	   	 22.5 4.2  Ø7.6
L	L 2950 00 Chrome bezel available  S D N H S 	8.0 0.8-1.6 page 6	   	 12.6 27.0 3.9 Ø9.0  Ø7.5
L C 6.3	(L) 0195 BB  S D N H S  	8.0 0.8-3.0 page 6	 	  Ø9.5 18.0 12.5 13.7 7.9 11.0  Ø9.5
L	L 2951 00 Chrome bezel  S D N H S  	8.0 0.8-1.6 page 6	   	 3.7 27.0 8.5 Ø9.8  Ø7.5
L H 4.8	(H) 0568 A(*) Deep lens profile   (VDE at T100)	8.0 0.8-3.5 page 6	  	 13.0 9.5 27.5 3.0 27.5  Ø10.0 *Final suffix (X) - Long barrier *Final suffix (Y) - Short barrier *Final suffix (W) - For Wires
L H 4.8	(H) 0568 B(*) Shallow lens profile   (VDE at T100)	8.0 0.8-3.5 page 6	  	 13.0 9.5 27.5 2.3 27.5  Ø9.5 *Final suffix (X) - Long barrier *Final suffix (Y) - Short barrier *Final suffix (W) - For Wires  www.ermec.com









Indicators

Indicator Lights Neon, LED and Filament Lamp

Colours and voltages:

-  **Neon** Available with Red, Amber, Green or Clear lenses
100/130V (marked 110V), 200/250V (marked 230V)
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2.0/2.2V Resistors for other voltages available.
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- ▶ Wide choice of styles
















Approvals shown for neon versions only





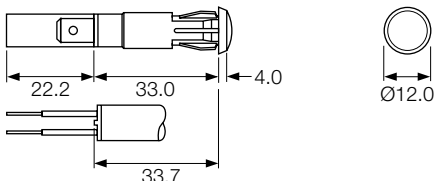












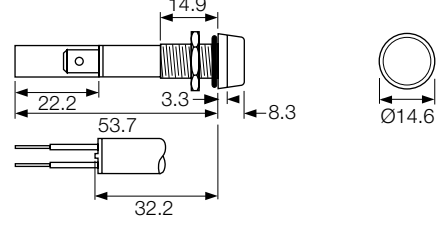













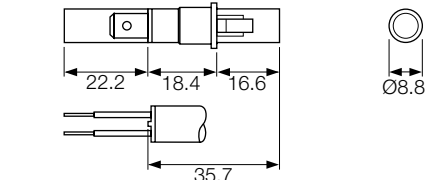












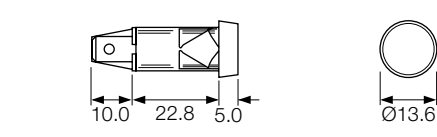













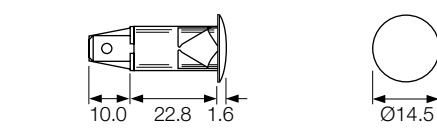






















RoHS RoHS compliant

To create a catalogue number:

Refer to the 2 columns below (terminal and type), then state: Lens colour, voltage and whether neon, LED or filament lamp

TERM	TYPE	PANEL & °C	ILLUMINATION OPTIONS	DIMENSIONS (mm)
L	(L) 0569 AW 	9.0 0.8-2.5 Call sales	Neon, LED-DC, LED-AC, Filament	19.0, 23.0, 8.5 max, 3.0, 12.0, Ø10.0
L	(C) 0273 00 	9.0 2.0 max page 6	Neon, LED-DC, LED-AC, Filament	22.2, 32.8, 3.1, Ø12.2
L	(C) 0278 00 	9.0 2.0 max page 6	Neon, LED-DC, LED-AC, Filament	22.3, 23.5, 3.5, 23.5, 12.0 Sq.
L	(C) 0276 AA 	9.5 0.8-2.8 page 6	Neon, LED-DC, LED-AC, Filament	22.2, 33.0, 4.0, 33.7, Ø12.0
L	(C) 0275 00 	10.0 12.0 max page 6	Neon, LED-DC, LED-AC, Filament	16.0, 22.2, 32.5, 3.0, 32.7, Ø13.3
L	(C) 0275 00 Chrome bezel 	10.0 11.5 max page 6	Neon, LED-DC, LED-AC, Filament	16.0, 22.2, 32.0, 32.5, 3.5, 3.0, Ø13.3, Ø15.6, 32.7

Indicators

TERM	TYPE	PANEL & °C	ILLUMINATION OPTIONS	DIMENSIONS (mm)	
L	(C) 0276 00 	10.0	  		
K 2.8					2.8 max
H 4.8					page 6
C 6.3					        
L	(C) 0277 00 Chrome bezel 	10.0	  		
K 2.8					12.0 max
H 4.8					page 6
C 6.3					        
L	(C) 0273 LL 	10.0	  		
K 2.8					0.6-2.0
H 4.8					page 6
C 6.3					        
L	(C) 2820 00 	12.0	  		
K 2.8					0.75-2.0
H 4.8					page 6
C 6.3					        
L	(C) 2821 00 	12.0 or 12.7	  		
K 2.8					$\varnothing 12.0 = 0.8-2.5$ $\varnothing 12.7 = 1.1-2.5$
H 4.8					page 6
C 6.3					        
L	(C) 0586 00 	12.5	  		
K 2.8					0.8-1.5
H 4.8					page 6
C 6.3					        

For sub-panel mounting, behind a fascia.

Indicators

Indicator Lights Neon, LED and Filament Lamp

Colours and voltages:

-  **Neon** Available with Red, Amber, Green or Clear lenses 100/130V (marked 110V), 200/250V (marked 230V)
-  **LED - DC** Red, Yellow, Green, Blue, White 2.0/2.2V Resistors for other voltages available.
-  **LED - AC** Red, Yellow, Green, Blue, White 110-230V ac operation.
-  **Filament lamp** Available with Red, Amber, Green, Clear or Blue lenses 6V, 12/14V, 24/28V.








- ▶ Neon, LED, mains LED or filament lamp
- ▶ Bezel sizes from 6.7 to 16.3mm diameter
- ▶ Red, amber, green and clear lenses
- ▶ Red, yellow, green, blue and white LEDs
- ▶ Wide choice of styles




 UL file E63363
 CSA file 1317844 / 1279633[®]
 Approvals shown for neon versions only
RoHS RoHS compliant

To create a catalogue number:

Refer to the 2 columns below (terminal and type), then state: Lens colour, voltage and whether neon, LED or filament lamp

TERM	TYPE	PANEL & °C	ILLUMINATION OPTIONS	DIMENSIONS (mm)
L	(C) 2870 00 	 12.7		 9.9 22.8 5.0  Ø13.6
K 2.8		 0.75-2.0		
H 4.8				
C 6.3		 page 6		
L	(C) 0589 00 	 12.7		 10.5 21.6 3.2  Ø15.9
K 2.8		 0.8-1.5		
H 4.8				
C 6.3		 page 6		
L	L 0081 00 Chrome bezel 	 12.7		 Ø16.0 18.0 11.4  Ø18.3
K 2.8		 9.5		
H 4.8				
C 6.3		 page 6		
L	(C) 0177 00 Chrome bezel 	 12.7		 14.9 22.2 3.3 8.3 53.7  Ø14.6
K 2.8		 12.0max		
H 4.8				
C 6.3		 page 6		
L	(C) 0067 00 Chrome bezel 	 12.7		 38.1 5.1  Ø16.0
K 2.8		 1.14max		
H 4.8				
C 6.3		 page 6		
L	(C) 0180AA 	 12.7		 10.4 22.3 5.1  Ø15.0
K 2.8		 19.0max		
H 4.8				
C 6.3		 page 6		







 Starlock fixing
 21.3 1.3
 www.ermec.com

TERM	TYPE	PANEL & °C	ILLUMINATION OPTIONS	DIMENSIONS (mm)	
L C 6.3	(C) 0180BB Chrome bezel 	13.5 0.9-1.14 page 6	 	 10.4 22.3 5.1	 Ø16.3
L K 2.8 H 4.8 C 6.3	(C) 0579 00 	14.0 2.5max page 6	 	 10.0 25.4 3.2	 Ø15.9
C 6.3	(C) 1092 	19.0 4.0max page 6	 	 28.5 12.5 max	 Ø22.9



Colours and voltages:

-  **Neon** Available with Red, Amber, Green or Clear lenses
100/130V (marked 110V), 200/250V (marked 230V)
-  **LED - DC** Red, Yellow, Green, Blue, White
2.0/2.2V Resistors for other voltages available.
-  **LED - AC** Red, Yellow, Green, Blue, White
110-230V ac operation.
-  **Filament lamp** Available with Red, Amber, Green, Clear or Blue lenses
6V, 12/14V, 24/28V.

- ▶ Neon, LED, mains LED or filament lamp
- ▶ Bezel sizes from 6.7 to 16.3mm diameter
- ▶ Red, amber, green and clear lenses
- ▶ Red, yellow, green, blue and white LEDs
- ▶ Wide choice of styles



UL file E63363
CSA file 1317844 / 1279633 ①



Approvals shown for neon versions only



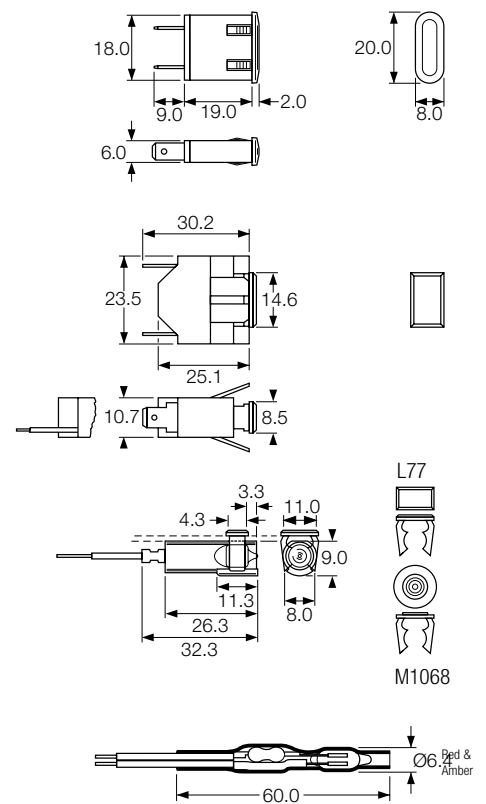
RoHS compliant

To create a catalogue number:

Refer to the 2 columns below (terminal and type), then state: Lens colour, voltage and whether neon, LED or filament lamp

TERM	TYPE	PANEL & °C	ILLUMINATION OPTIONS
H 4.8 	H 0581 AY 	 18.2/18.3 x 6.2/6.3*  2.0-3.5  page 6	 
L  C 6.3 	(C) 0196 AA 	 13.0x6.5  0.8-3.0  page 6	 
L 	L 0234 00 	 9.27/9.50 x 4.75*  0.71-1.62  page 6	
L 	L 0233 00 	 page 6	

DIMENSIONS (mm)



Neon tube, resistor and flexible lead assembly, protected by "shrunk on" transparent sleeving.

Indicator Lights To match 8500, 8600, R13, 1500, 1550, 5500, 6000, 8300 and 7000 switches

ermec@ermec.com

Colours and voltages:

- Neon** Available with Red, Amber, Green or Clear lenses
100/130V (marked 110V), 200/250V (marked 230V)
- Filament lamp** Available with Red, Amber or Green lenses
6V, 12/14V, 24/28V
- Mains LED** 6030 only

To create a catalogue number:

Refer to the 2 columns below (terminal and type), then state: Lens colour, voltage and whether neon or filament lamp.

- ▶ Indicator lights
- ▶ Neon or filament lamp
- ▶ Bezel sizes from 6.7 to 16.3mm diameter
- ▶ Red, amber green and clear neons
- ▶ Red, amber and green filament lamps
- ▶ Styles to match rocker and push switches



UL file E63363
CSA file LR29381

Approvals shown for neon versions only



RoHS compliant

TERM	TYPE
H 4.8	H8580 AB Approvals: S, D, N, FI, E, KEMA, UL, CSA
H 4.8	H8630 FB Approvals: S, D, N, FI, E, KEMA, UL, CSA
T	
X	
H 4.8	R9 92B Approvals details - contact sales
C 6.3	C0430 A C6030 AL Approvals: S, D, N, FI, E, KEMA, UL, CSA <small>6030 - L body & C terminals only</small>
H 4.8	
K 2.8	
T	
U	
C 6.3	C0480 A Approvals: S, D, N, FI, E, KEMA, UL, CSA
H 4.8	
K 2.8	
T	
U	
C 6.3	C7030 AH Approvals: S, D, N, FI, E, KEMA, UL, CSA
H 4.8	

Full product details on pages 14-15	Cut-out	Flange																																		
<table border="1"> <thead> <tr> <th>Body Code</th> <th>Panel thickness</th> <th>Cut-out X</th> <th>Cut-out Y</th> </tr> </thead> <tbody> <tr> <td rowspan="3">B</td> <td>0.75-1.25</td> <td>19.1/19.2</td> <td>12.9/13.0</td> </tr> <tr> <td>1.25-2.0</td> <td>19.3/19.4</td> <td>12.9/13.0</td> </tr> <tr> <td>2.0-3.0</td> <td>19.7/19.8</td> <td>12.9/13.0</td> </tr> </tbody> </table>	Body Code	Panel thickness	Cut-out X	Cut-out Y	B	0.75-1.25	19.1/19.2	12.9/13.0	1.25-2.0	19.3/19.4	12.9/13.0	2.0-3.0	19.7/19.8	12.9/13.0																						
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	2.0-3.0	19.7/19.8	12.9/13.0																																	
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Body Code	Panel thickness	Cut-out X	Cut-out Y																																	
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	2.0-3.0	19.7/19.8	12.9/13.0																																	
Full product details on pages 34	Cut-out	Flange																																		
Snap fixing in panels thickness up to 3.0																																				
Full product details on pages 20-21 & 24-25	Cut-out	Flange																																		
<table border="1"> <thead> <tr> <th rowspan="2">Body Code</th> <th colspan="2">Cut-out</th> <th colspan="2">Flange</th> </tr> <tr> <th>Y</th> <th>X</th> <th>Y</th> <th>X</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>12.2/12.3</td> <td>27.2/27.3</td> <td>14.0</td> <td>30.2</td> </tr> <tr> <td>B</td> <td>11.0/11.1</td> <td>30.0/30.1</td> <td>14.0</td> <td>33.4</td> </tr> <tr> <td>L</td> <td>11.0/11.1</td> <td>30.0/30.1</td> <td>14.0</td> <td>31.9</td> </tr> <tr> <td>R</td> <td>14.0/14.1</td> <td>28.5/28.6</td> <td>17.0</td> <td>31.5</td> </tr> <tr> <td>T</td> <td>11.5/11.6</td> <td>28.2/28.3</td> <td>14.0</td> <td>30.2</td> </tr> </tbody> </table>	Body Code	Cut-out		Flange		Y	X	Y	X	A	12.2/12.3	27.2/27.3	14.0	30.2	B	11.0/11.1	30.0/30.1	14.0	33.4	L	11.0/11.1	30.0/30.1	14.0	31.9	R	14.0/14.1	28.5/28.6	17.0	31.5	T	11.5/11.6	28.2/28.3	14.0	30.2		
Body Code		Cut-out		Flange																																
	Y	X	Y	X																																
A	12.2/12.3	27.2/27.3	14.0	30.2																																
B	11.0/11.1	30.0/30.1	14.0	33.4																																
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Full product details on pages 28-29	Cut-out	Flange																																		
<table border="1"> <thead> <tr> <th rowspan="2">Body Code</th> <th colspan="2">Cut-out</th> <th colspan="2">Flange</th> </tr> <tr> <th>Y</th> <th>X</th> <th>Y</th> <th>X</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>22.3/22.4</td> <td>27.2/27.3</td> <td>25.0</td> <td>30.2</td> </tr> <tr> <td>B</td> <td>22.1/22.2</td> <td>30.0/30.1</td> <td>25.0</td> <td>33.4</td> </tr> <tr> <td>L</td> <td>22.1/22.2</td> <td>30.0/30.1</td> <td>25.0</td> <td>32.0</td> </tr> <tr> <td>R</td> <td>23.0/25.4</td> <td>28.4/28.5</td> <td>28.9</td> <td>33.2</td> </tr> <tr> <td>T</td> <td>22.3/22.4</td> <td>28.2/28.3</td> <td>25.0</td> <td>30.2</td> </tr> </tbody> </table>	Body Code	Cut-out		Flange		Y	X	Y	X	A	22.3/22.4	27.2/27.3	25.0	30.2	B	22.1/22.2	30.0/30.1	25.0	33.4	L	22.1/22.2	30.0/30.1	25.0	32.0	R	23.0/25.4	28.4/28.5	28.9	33.2	T	22.3/22.4	28.2/28.3	25.0	30.2		
Body Code		Cut-out		Flange																																
	Y	X	Y	X																																
A	22.3/22.4	27.2/27.3	25.0	30.2																																
B	22.1/22.2	30.0/30.1	25.0	33.4																																
L	22.1/22.2	30.0/30.1	25.0	32.0																																
R	23.0/25.4	28.4/28.5	28.9	33.2																																
T	22.3/22.4	28.2/28.3	25.0	30.2																																
Full product details on pages 44-45	Cut-out	Flange																																		
<table border="1"> <thead> <tr> <th>Body Code</th> <th>Cut-out</th> <th>Flange</th> </tr> </thead> <tbody> <tr> <td>H</td> <td>Ø25.0/25.2</td> <td>Ø28.0</td> </tr> </tbody> </table>	Body Code	Cut-out	Flange	H	Ø25.0/25.2	Ø28.0																														
Body Code	Cut-out	Flange																																		
H	Ø25.0/25.2	Ø28.0																																		

Indicators

Low Voltage Lampholders

Colour and voltage:

These lampholders are suitable for up to 50V max. Bulbs will be supplied (dependent on order quantity) if a voltage is specified.

Colours - Red, Amber, Green, (Clear & Blue, check availability).

To create a catalogue number:

Refer to the 2 columns below (terminal and type), then state: Lens colour and voltage.

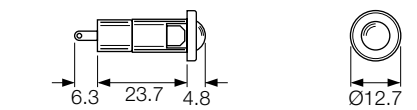
- ▶ Up to 50V
- ▶ Red, Amber, Green, Blue and Clear
- ▶ Linestra/Philinea lamp holder

RoHS

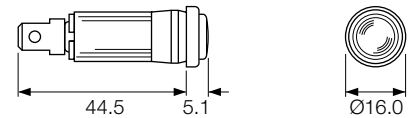
RoHS compliant

TERM	TYPE	PANEL & °C
T 	T0061 AO (LES) 	 9.5  0.9-1.14  T85
C 6.3 	C0067 OO (BA7s) Chrome bezel 	 12.7  1.14max  T85
T 	T0062 AO (Midget flange) Chrome bezel 	 12.7  9.6max  T85
	T0063 AO (LES) Chrome bezel 	 12.7  9.6max  T85
T 	T0062 MO (Midget flange) 	 12.7  9.6max  T85
S 	S0095 OO 	 T85

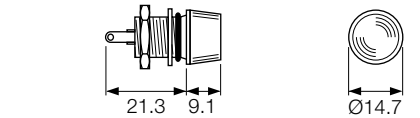
DIMENSIONS (mm)



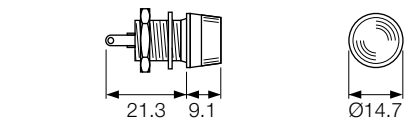
Rear of panel bulb replacement



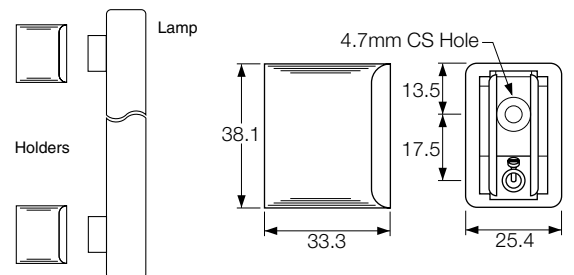
Rear of panel bulb replacement



Front of panel bulb replacement



Front of panel bulb replacement



Paired Architectural lampholders for Linestra or Philinea lamp.





- ▶ Up to 50V
- ▶ MES or MBC bulb
- ▶ Flat and domed lens
- ▶ Brass or nylon bodies
- ▶ Red, Amber, Green, Blue and Clear lenses

RoHS

RoHS compliant

Bulbs will be supplied (dependant on order quantity) if a voltage is specified. These lampholders are suitable for up to 50V max.

Colours - Red, Amber, Green, (Clear & Blue, check availability). Brass bodies have polished chrome finish.

For Neon & Mains versions see page 75
For Sealed version see page 84

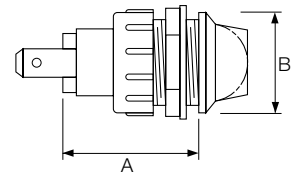
C1090FP - - -

C 1090 F A - - -

TERMINAL LAMP CAP LENS BODY VOLTAGE, COLOUR, ETC

▶ TERMINAL	▶ LAMP CAP	▶ LENS	▶ THREADED BODY																																																												
<p>C</p> <p>6.3 x 0.8 9.1</p>	<p>1090 MES (E10)</p> <p>1091 MBC (BA9s)</p>	<p>F Flat</p> <p>V Domed</p> <p>L No lens</p>	<p>1090 (MES lamps)</p> <table border="1"> <thead> <tr> <th></th> <th>Panel Hole Dia.</th> <th>Body Material</th> <th>Dim. A</th> <th>Dim. B</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>19.0</td> <td>Brass</td> <td>35.0</td> <td>22.0</td> </tr> <tr> <td>D</td> <td>19.0</td> <td>Brass</td> <td>30.2</td> <td>22.0</td> </tr> <tr> <td>E</td> <td>19.0</td> <td>Nylon with chrome bezel</td> <td>30.2 / 30.2</td> <td>22.0 / 22.8</td> </tr> <tr> <td>G</td> <td>19.0</td> <td>Brass</td> <td>24.6</td> <td>22.0</td> </tr> <tr> <td>H</td> <td>19.0</td> <td>Nylon with chrome bezel</td> <td>24.6 / 24.6</td> <td>22.0 / 22.8</td> </tr> <tr> <td>L</td> <td>25.4</td> <td>Brass</td> <td>26.0</td> <td>31.5</td> </tr> </tbody> </table> <p>1091 (MBC lamps)</p> <table border="1"> <thead> <tr> <th></th> <th>Panel Hole Dia.</th> <th>Body Material</th> <th>Dim. A</th> <th>Dim. B</th> </tr> </thead> <tbody> <tr> <td>B</td> <td>19.0</td> <td>Brass</td> <td>36.0</td> <td>22.0</td> </tr> <tr> <td>C</td> <td>19.0</td> <td>Nylon</td> <td>36.6</td> <td>22.0</td> </tr> <tr> <td>Q</td> <td>19.0</td> <td>Nylon (+ chrome trim)</td> <td>36.6</td> <td>22.8</td> </tr> <tr> <td>M</td> <td>25.4</td> <td>Brass</td> <td>38.1</td> <td>31.5</td> </tr> </tbody> </table> <p>Panel thickness 5.0, except A type body 10.0</p>		Panel Hole Dia.	Body Material	Dim. A	Dim. B	A	19.0	Brass	35.0	22.0	D	19.0	Brass	30.2	22.0	E	19.0	Nylon with chrome bezel	30.2 / 30.2	22.0 / 22.8	G	19.0	Brass	24.6	22.0	H	19.0	Nylon with chrome bezel	24.6 / 24.6	22.0 / 22.8	L	25.4	Brass	26.0	31.5		Panel Hole Dia.	Body Material	Dim. A	Dim. B	B	19.0	Brass	36.0	22.0	C	19.0	Nylon	36.6	22.0	Q	19.0	Nylon (+ chrome trim)	36.6	22.8	M	25.4	Brass	38.1	31.5
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DIMENSIONS mm



OPTIONS

F0445 MO

P.V.C. Insulating terminal cover.



LED Lamps and LED Lampholders

LED Lampholders can be supplied with or without LEDs

Colours: Red, Yellow, Green and Blue LEDs
(High Intensity is standard. Option of extra super bright).

Voltages: LEDs are available for direct connection to 2.0/2.2V or 12Vdc
For other voltages contact sales.





- ▶ LED lampholders
- ▶ Supplied with or without LEDs
- ▶ Black or Chrome finish

RoHS

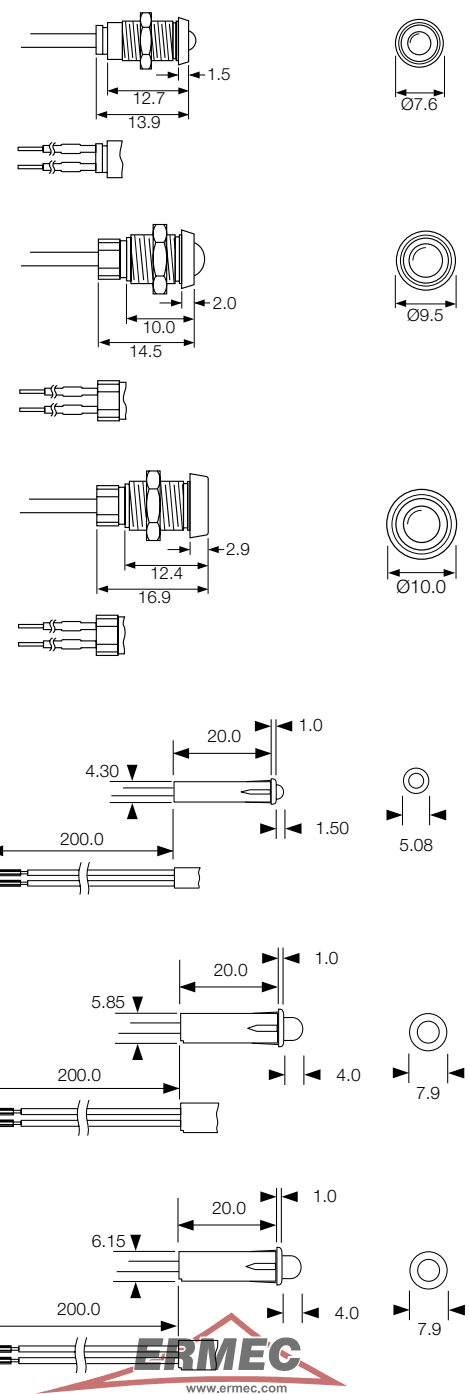
RoHS compliant

To create a catalogue number:

Refer to the 2 columns below (terminal and type), then state: LED colour and voltage and body finish (Black or Chrome).

▶ TERM	▶ TYPE	▶ PANEL & °C
W LED fitted A LED not fitted 	(W) 1047 00  3mm LED	 6.3  6.3max  T85
L LED & Wires fitted 		
W LED fitted A LED not fitted 	(L) 1048 00  5mm LED	 8.0  5.5max  T85
L LED & Wires fitted 		
W LED fitted A LED not fitted 	(W) 1050 00  5mm LED with focusing reflector	 8.0  7.0max  T85
L LED & Wires fitted 		
W LED fitted 	(L) 1035 0A 	 4.5  0.9-1.6  T85
L LED & Wires fitted 		
W LED fitted 	(L) 1036 0A 	 6.0  0.9-1.6  T85
L LED & Wires fitted 		
W LED fitted 	(L) 1037 0A 	 6.35  0.9-1.6  T85
L LED & Wires fitted 		

DIMENSIONS (mm)



Indicators

Neon & LED Indicator Lights Sealed to IP52 and IP54

Colours and voltages:

Neon Red, Amber, Green
120 or 230Vac 0.5W - please specify (Red base)

LED Red, Amber, Green
28Vac/dc 1W (Green base)

Neon versions feature integral current limiting & ghost lighting resistors.
LED versions have rectifier diodes & resistors for direct connection to 28Vac/dc.

To order

Select a number from the "type" column, then state:
Lens colour, voltage and whether neon or LED. All versions have recessed screw terminals. IP52 is standard. A panel sealing washer is available for IP54.

- ▶ IP52 and IP54 sealing
- ▶ Three bezel sizes: 18.0, 20.5 and 30.0 diameter
- ▶ Neon or LED indicator
- ▶ Black and satin chrome bezel or without bezel
- ▶ Recessed screw terminals



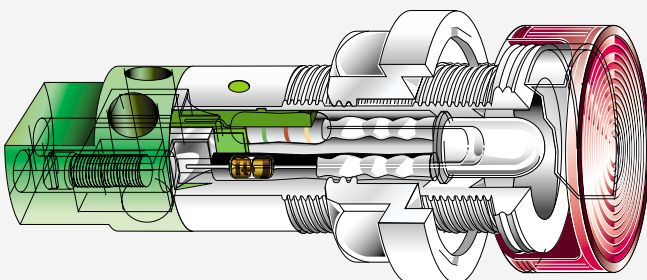
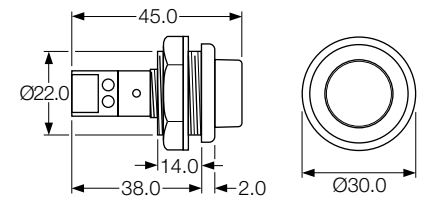
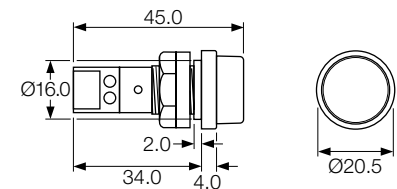
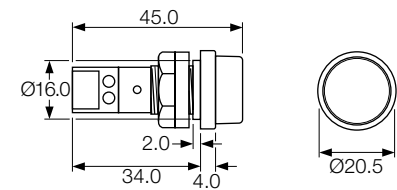
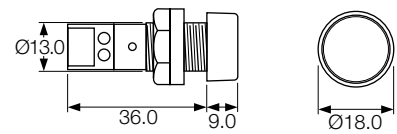
Approval shown for neon versions only



RoHS compliant

TERM	TYPE	PANEL & °C
 Recessed Screw	3130 No bezel 	 13.2 8.0max T120 neon T50 LED
 Recessed Screw	3160 Black bezel 	 16.2 5.0max T120 neon T50 LED
 Recessed Screw	3161 Satin chrome style bezel 	 16.2 5.0max T55 neon T50 LED
 Recessed Screw	3221 Large black bezel 	 22.3 4.5max T120 neon T50 LED

DIMENSIONS (mm)







Select the version most suitable for your application from the 4 types shown.
Or call sales for availability to your special requirements.



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Indicator Lights - Sealed to IP67

Colours and voltages:

-  **Neon** Available with Red, Amber, Green or Clear lenses 100/130V (marked 110V), 200/250V (marked 230V)
-  **LED - DC** Red, Yellow, Green, Blue, White 2.0/2.2V Resistors for other voltages available.
-  **LED - AC** Red, Yellow, Green, Blue, White 110-230V ac operation.
-  **Filament lamp** Available with Red, Amber, Green, Clear or Blue lenses 6V, 12/14V, 24/28V.

To create a catalogue number:

Refer to the 2 columns below (terminal and type), then state: Lens colour, voltage and whether neon, LED or filament lamp

- ▶ IP67 Panel Sealing
- ▶ Supplied complete with gaskets/'O' rings
- ▶ Neon, LED, mains LED or filament lamp
- ▶ Bezel sizes from 7.6 to 22.9mm diameter
- ▶ Red, amber, green, blue and clear lenses
- ▶ Red, yellow, green, blue and white LEDs
- ▶ Wide choice of styles

RoHS RoHS compliant

SEMKO and UL approvals applied for

TERM	TYPE	PANEL	ILLUMINATION OPTIONS	DIMENSIONS (mm)
L 	(L) 1041 OS Chrome bezel 	 6.3  5.3 max	  	 
L 	(L) 0245 OS Chrome bezel 	 7.1  4.6 max	   	 
L  C 6.3  K 2.8  H 4.8 	(C) 0275 OS Chrome bezel 	 10.0  11.5 max	   	 
L  C 6.3  K 2.8  H 4.8 	(C) 0277 OS Chrome bezel 	 10.0  11.5 max	   	 
L  C 6.3  K 2.8  H 4.8 	(C) 0177 OS Chrome bezel 	 12.7  11.5 max	   	 
C 6.3 	(C) 1092 FFS 	 19.0  4.0 max		 

Indicators



LED Lamps and LED Lampholders - Sealed to IP67

LED Lampholders can be supplied with or without LEDs

Colours: Red, Yellow Green and Blue LEDs.
(High Intensity is standard. Option of extra super bright).

Voltages: LEDs are available for direct connection to 2.0/2.2V or 12Vdc.
For other voltages contact sales.






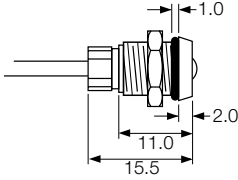
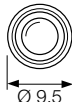





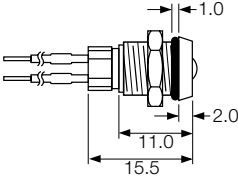






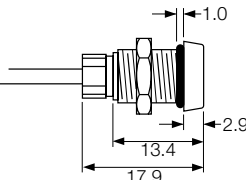
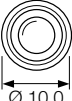





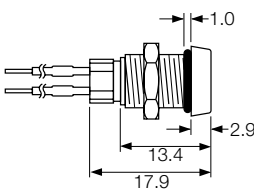
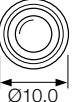
To create a catalogue number:

Refer to the 2 columns below (terminal and type), then state: LED colour and voltage and body finish (Black or Chrome).

- ▶ IP67 front bezel sealing
- ▶ LED lampholders
- ▶ Supplied with or without LEDs
- ▶ Black or Chrome finish

RoHS

RoHS compliant

TERM	TYPE	PANEL & °C	DIMENSIONS (mm)	
W LED fitted 	(W) 1048 0A Designed to IP67 	 8.0  5.5max  T85		
A LED not fitted				
L  LED & Wires fitted	L 1048 0A Designed to IP67 	 8.0  5.5max  T85		
W LED fitted 	(W) 1050 0A Designed to IP67 	 8.0  7.0max  T85		
A LED not fitted				
L  LED & Wires fitted	L 1050 0A Designed to IP67 	 8.0  7.0max  T85		

Properties

Sealing

O-ring sealing equivalent to IP67, of both the LED to bezel, and bezel to panel is available where shown.

Polarity

The nylon base mouldings are polarity marked.

Body Material and Finish

Chromed brass or Black oxide coated brass.

Lampholders only

Items prefixed 'A' are supplied without LEDs.

LED wires or PVC covered wire leads

125mm min length wires, 6.3mm standard strip.
Alternative colours, length and strip available.

Indicators

Low Voltage Lampholders - Sealed to IP67

Colour and voltage:

These lampholders are suitable for up to 50V max. Bulbs will be supplied (dependent on order quantity) if a voltage is specified.

Colours - Red, Amber, Green, (Clear & Blue, check availability).

To create a catalogue number:

Refer to the 2 columns below (terminal and type), then state: Lens colour and voltage.

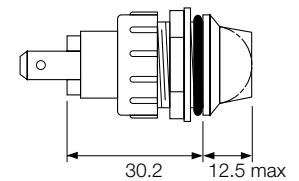
- ▶ IP67 Panel seal
- ▶ Supplied complete with gaskets/'O' rings
- ▶ Up to 50V
- ▶ Red, Amber, Green, Blue and Clear
- ▶ LES, Midget Flange, MES & MBC bulb

RoHS

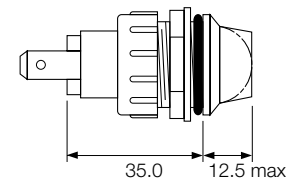
RoHS compliant

TERM	TYPE	PANEL & °C	ILLUMINATION OPTIONS
C 6.3	C1090 FPS (MES) 	19.0 4.0 max T85	
C 6.3	C1091 FQS (MBC) 	19.0 4.0 max T85	
T	T0062 AOS (Midget flange) Chrome bezel 	12.7 8.5 max T85	
T	T0063 AOS (LES) Chrome bezel 	12.7 8.5 max T85	
T	T0062 MOS (LES & Midget flange) 	12.7 8.5 max T85	
T	T0063 MOS (LES) 	12.7 8.5 max T85	

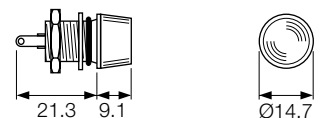
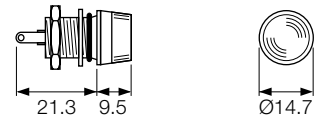
DIMENSIONS (mm)



Front of panel bulb replacement



Front of panel bulb replacement



F0445 MO

P.V.C. Insulating terminal cover. For use with C1090 & C1091



IEC Connectors & NEMA Receptacles



10A 250V ac



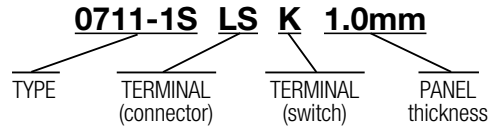
UL CSA 10A 250V ac UL 65°C



RoHS compliant

To order:
State type number, connector terminal code, switch terminal code (if applicable), and for snap-in items, the panel thickness. Stocked items are for 1.0mm panels.

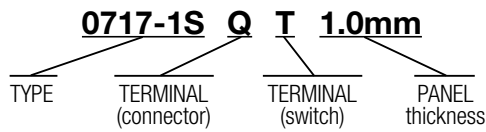
- ▶ Ratings up to 10A, 250V ac
- ▶ IEC 320 Inlets & outlets
- ▶ NEMA outlets
- ▶ Fused and non fused
- ▶ Flange and snap to panel fixing



TYPE	TERMINAL	DIMENSIONS (mm)	View below is at Y																					
0707-1-C (2k min order) Inlet	S 2.5 Solder	<p>15A 250Vac 10A 250Vac</p>																						
	N 4.0 Solder Q 4.8 Tab W 6.3 Tab			0708-1-C Outlet	N 4.0 Solder	<p>15A 250Vac 10A 250Vac</p>		Q 4.8 Tab W 6.3 Tab P PCB	0709-P Outlet	L 4.0 Solder	Panel X thickness 0.8 24.0 1.0 24.6 1.2 25.2 1.6 26.2		Q 4.8 Tab	0710-P Outlet	V12 Solid Wire	Panel X thickness 0.8 - 1.2 24.6 1.3 - 2.0 24.8		V16 Solid Wire	0711-P (2k min order) Inlet	S 2.5 Solder	Rating/approval details on request Panel X thickness 0.8 - 1.2 20.3 1.3 - 2.0 20.5		N 4.0 Solder Q 4.8 Tab W 6.3 Tab	
0708-1-C Outlet	N 4.0 Solder	<p>15A 250Vac 10A 250Vac</p>																						
	Q 4.8 Tab W 6.3 Tab P PCB			0709-P Outlet	L 4.0 Solder	Panel X thickness 0.8 24.0 1.0 24.6 1.2 25.2 1.6 26.2		Q 4.8 Tab	0710-P Outlet	V12 Solid Wire	Panel X thickness 0.8 - 1.2 24.6 1.3 - 2.0 24.8		V16 Solid Wire	0711-P (2k min order) Inlet	S 2.5 Solder	Rating/approval details on request Panel X thickness 0.8 - 1.2 20.3 1.3 - 2.0 20.5		N 4.0 Solder Q 4.8 Tab W 6.3 Tab			0710-PV16 is 13A 250Vac. 0710-PV12 is 15A 250Vac			
0709-P Outlet	L 4.0 Solder	Panel X thickness 0.8 24.0 1.0 24.6 1.2 25.2 1.6 26.2																						
	Q 4.8 Tab			0710-P Outlet	V12 Solid Wire	Panel X thickness 0.8 - 1.2 24.6 1.3 - 2.0 24.8		V16 Solid Wire	0711-P (2k min order) Inlet	S 2.5 Solder	Rating/approval details on request Panel X thickness 0.8 - 1.2 20.3 1.3 - 2.0 20.5		N 4.0 Solder Q 4.8 Tab W 6.3 Tab			0710-PV16 is 13A 250Vac. 0710-PV12 is 15A 250Vac								
0710-P Outlet	V12 Solid Wire	Panel X thickness 0.8 - 1.2 24.6 1.3 - 2.0 24.8																						
	V16 Solid Wire			0711-P (2k min order) Inlet	S 2.5 Solder	Rating/approval details on request Panel X thickness 0.8 - 1.2 20.3 1.3 - 2.0 20.5		N 4.0 Solder Q 4.8 Tab W 6.3 Tab			0710-PV16 is 13A 250Vac. 0710-PV12 is 15A 250Vac													
0711-P (2k min order) Inlet	S 2.5 Solder	Rating/approval details on request Panel X thickness 0.8 - 1.2 20.3 1.3 - 2.0 20.5																						
	N 4.0 Solder Q 4.8 Tab W 6.3 Tab					0710-PV16 is 13A 250Vac. 0710-PV12 is 15A 250Vac																		
		0710-PV16 is 13A 250Vac. 0710-PV12 is 15A 250Vac																						



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- ▶ Ratings up to 10A, 250V ac
- ▶ IEC 320 Inlets & outlets
- ▶ Fused and non fused
- ▶ Flange and snap to panel fixing

10A 250V ac
UL CSA 10A 250V ac UL 65°C
RoHS compliant

To order:
State type number, connector terminal code, switch terminal code (if applicable), and for snap-in items, the panel thickness. Stocked items are for 1.0mm panels.

TYPE	TERMINAL	DIMENSIONS (mm)	View below is at Y
0717-1-P <p>Fused Inlet 5x20</p>	S 2.5 Solder LS 2.8 Solder Q 4.8 Tab W 6.3 Tab	Panel X thickness 0.8 - 1.2 31.4 1.3 - 2.0 31.6	
0717-1S State "Non Lit" <p>Switched Fused Inlet 5x20</p>	Q 4.8 Solder Connector T 4.8 Solder Switch	DP non-illuminated switch is standard Panel thickness: 0.8 or 1.0 or 1.2 Call sales for details	
0717-1S State "Lit" <p>Switched Fused Inlet 5x20</p>	Q 4.8 Solder Connector T 4.8 Solder Switch	DP illuminated switch is standard Panel thickness: 0.8 or 1.0 or 1.2 Call sales for details	
0717-C <p>Fused Inlet 5x20</p>	S 2.5 Solder LS 2.8 Solder Q 4.8 Tab W 6.3 Tab		
0717-2-C (2k min order) <p>Double Fused Inlet 5x20</p>	S 2.5 Solder LS 2.8 Solder Q 4.8 Tab W 6.3 Tab		0717-2-C For applications (eg medical equipment) where both live & neutral feeds must be fused
0717-2-P (2k min order) <p>Double Fused Inlet 5x20</p>	S 2.5 Solder LS 2.8 Solder Q 4.8 Tab W 6.3 Tab	Panel thickness: 0.8 or 1.0 or 1.2 or 1.5 Call sales for details	0717-2-P For applications (eg medical equipment) where both live & neutral feeds must be fused

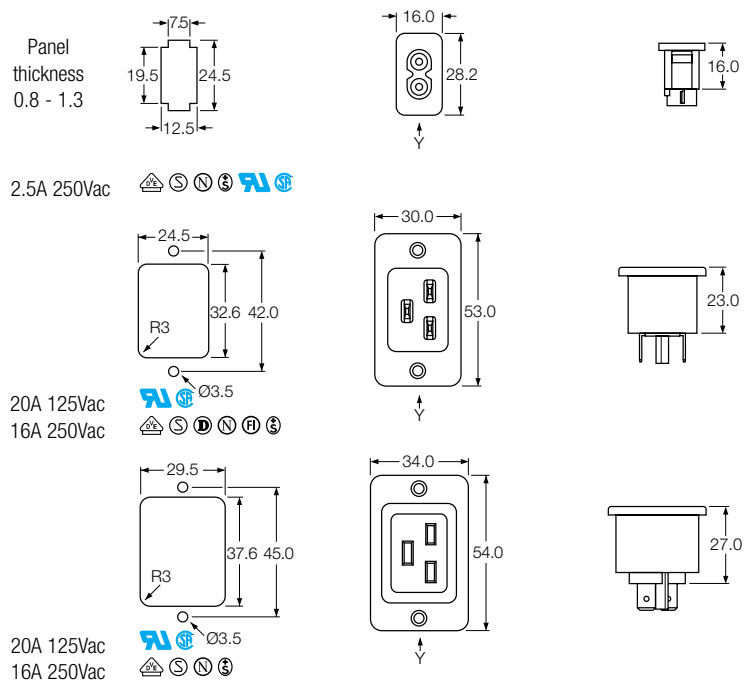
IEC sockets



TYPE	TERMINAL
0721-P (2k min order)  Inlet	S Solder 
0722-C (2k min order)  Inlet	Q 4.8 Solder  W 6.3 Tab 
0723-C (2k min order)  Outlet	Q 4.8 Solder  W 6.3 Tab 

DIMENSIONS (mm)

View below is at Y



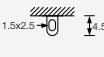


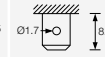



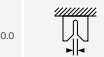

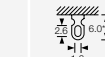
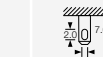
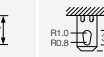
Technical data

Mouldings V2 (V0 option)
 Connectors Tin plated solid brass
 Terminals Silver plated

Terminal dimensions

For Connectors

For Switches

For Connectors									Slide	Slide	Rocker
S	N	Q	W	P	L	LS	V12	V16	T	K	T
2.5mm Solder	4mm Solder	4.8mm Solder/ Fast on	6.3 Fast on	PCB	Solder	2.8mm Solder	12-14 AWG Solid Wire	16 AWG Solid Wire	Solder	2.8mm Solder	4.8mm Solder
											
1.5x2.5 1.5	2.0x3.2 15.5	2.8x3.3 6.5	Ø1.7 8.0	1.7x3.0 5.5	Ø3.0x6.0	1.5x3.0 10.0	1.35	0.8	2.5 6.0 1.5	2.0 7.0 1.3	R1.0 R0.5 3.5 8.5

Note: Designated solder terminals should not be fitted with "Push on", "QD" or "Fast on" type cable connectors



- ▶ 5 x 20mm fuses
- ▶ Finger and tool release
- ▶ PC2 protection category
- ▶ Solder & 2.8mm terminals
- ▶ Proud & low profile bezels
- ▶ Snap to panel and screw fixing

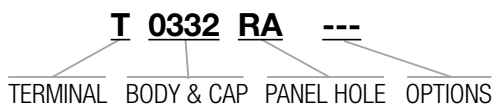
6.3A 250Vac (max fuse rating*) T-55 to T+70 (ambient)
Maximum dissipation wattage: 1.5W

6.3A UL 94V2 UL file E92075 CSA file LR44770

RoHS compliant

These products comply with safety category PC2.
 *Users should be aware of the de-rating factors published by specialist manufacturers of fuses.

These fuseholders are fitted with combination (solder/2.8) mid-body terminals. It has not been possible to show both views here.



M520
Terminal Cover

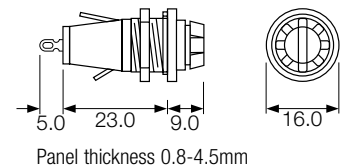


A0033 00
In-line 5 x 20 fuseholder
Call factory for rating details

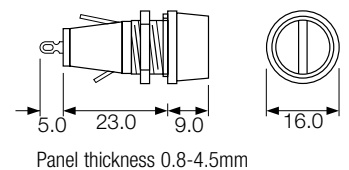
▶ TERMINAL	▶ BODY AND CAP	▶ PANEL HOLE
<p>T</p> <p>Solder</p>	<p>0332 Finger release</p> <p></p>	<p>RA</p>
	<p>0333 Tool release</p> <p></p>	
<p>B</p>	<p>0340 Tool release</p> <p></p>	<p>RD</p>
	<p>0341 Tool release</p> <p></p>	

DIMENSIONS (mm)

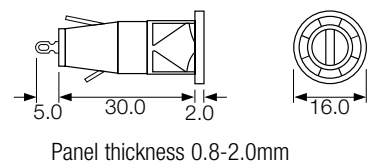
0332 (T terminal shown)



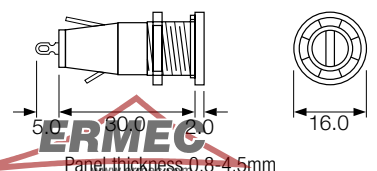
0333 (T terminal shown)



0340 (T terminal shown)



0341 (T terminal shown)





16A 250Vac (max fuse rating*) T-55 to T+70 (ambient)
Maximum dissipation wattage: 2.5W



16A UL 94V2 UL file E92075 CSA file LR44770

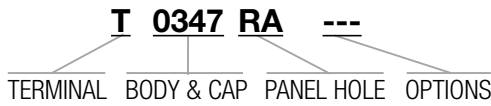


RoHS compliant

These products comply with safety category PC2.
*Users should be aware of the de-rating factors published by specialist manufacturers of fuses.

Fuseholders with in-line termination have combination (4.8/6.3) terminals. It has not been possible to show both views here. Units with right angle terminals have user specified end terminals and combination mid-body terminals.

- ▶ 6.3 x 32mm fuses
- ▶ Tool release
- ▶ PC2 protection category
- ▶ 4.8, 6.3 and solder terminals
- ▶ Low profile bezel
- ▶ Snap to panel and screw fixing



M873
Cover for C & T terminals

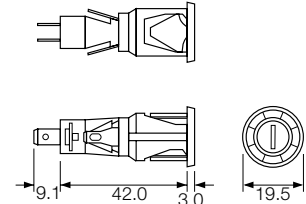


A0035 00
In-line 6.3 x 32 (1 1/4 x 1/4) fuseholder
Call factory for rating details

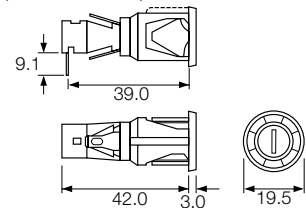
▶ TERMINAL	▶ BODY AND CAP	▶ PANEL HOLE
<p>C</p> <p>6.3 x 0.8</p>	<p>0345 (C terminal shown)</p> <p>Ⓢ Ⓢ Ⓡ Ⓡ Ⓡ Ⓡ</p>	<p>RA</p> <p>Panel thickness 0.8 - 2.0mm for snap-in 0.8 - 7.0mm for nut fixing</p>
<p>D</p> <p>6.3 x 0.8 Right angle</p>	<p>0345 (D terminal shown)</p> <p>Ⓢ Ⓢ Ⓡ Ⓡ Ⓡ Ⓡ</p>	
<p>T</p> <p>4.8 x 0.8 Solder</p>	<p>0347 (T terminal shown)</p> <p>Ⓢ Ⓢ Ⓡ Ⓡ Ⓡ Ⓡ</p>	
<p>U</p> <p>4.8 x 0.8 Right angle solder</p>	<p>0347 (U terminal shown)</p> <p>Ⓢ Ⓢ Ⓡ Ⓡ Ⓡ Ⓡ</p>	

DIMENSIONS (mm)

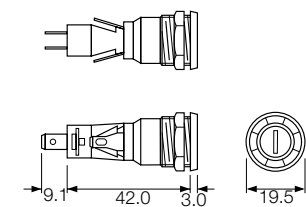
0345 (C terminal shown)



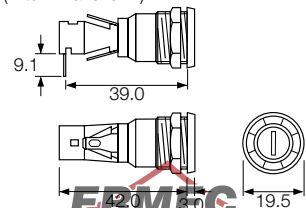
0345 (D terminal shown)



0347 (C terminal shown)



0347 (D terminal shown)



Optional metal fixing nut available for 0347

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