



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.

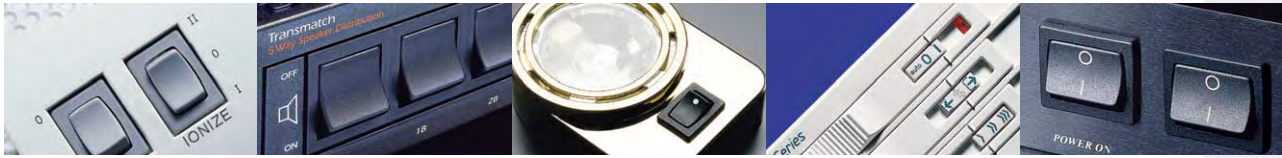
60,000 Miniature Springs

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	<100m Ω (at 12Vdc, 1A)	For 1100 & 2000 call sales
Contact resistance (fuseholders) new condition	.5m Ω (average)	
Insulation resistance	>20M Ω	
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 $\pm 4^\circ$ 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		



Technical Information - Indicators

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.

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

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

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



www.ermec.com

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.

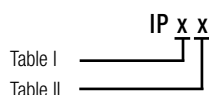


Table I (1st characteristic numeral)

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.

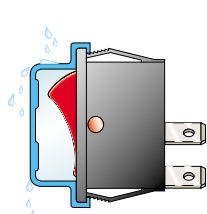
Order code for splash/dust proofing options is shown under the illustration

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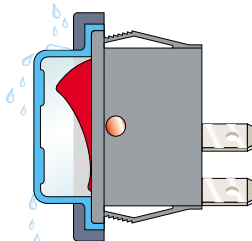
Order code for splash/dust proofing options is shown under the illustration

 6050 has integral water-thru feature and  G Snap-on cover option	 1500 and 1300 available with W or B Splashproof rockers or  G Snap-on cover	 5503 can be fitted with  G Snap-on cover	 1550 and 1350 available with W or B Splashproof rockers or  G Snap-on cover	 R13 can be fitted with  L188 Push-on cover
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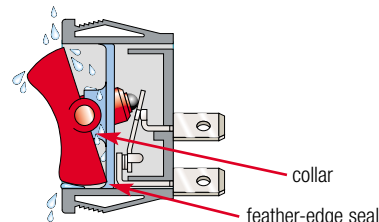
How they work



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.

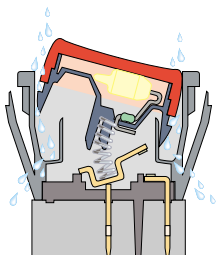
The fitting of external covers is not recommended for momentary (spring return) rocker or lever switches.

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

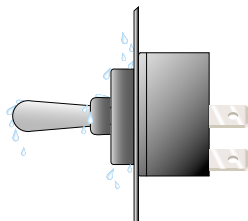
For full product details, dimensions and ratings refer to the catalogue page shown in the photograph (not to scale).

Order code for splash/dust proofing options is shown under the illustration	 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		

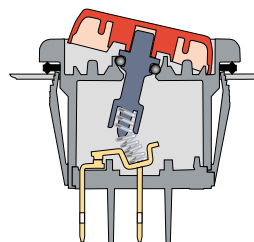
 1900 has integral seal	 8300V has integral seal	 0911V has integral seal	 3005 splashproof design	 3100 and 3141 splashproof design
 3900 sealed	 6100 sealed			



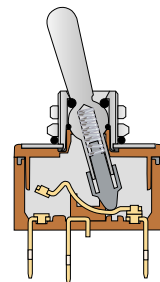
Integral Splashproofing
Integral splashproof system



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



8800 Thinline Rocker Switches 10A 250Vac



- ▶ Ultra thin rocker switch
- ▶ Ratings up to 15A, 250Vac
- ▶ Single and twin gang
- ▶ Panel cut out:
Single 17.4 x 6.8
Twin 17.4 x 13.4



10(6)A 250Vac T100
6(2)A 250Vac T100 5E4 (50,000 Operations)
Inrush 50A to EN60065:1998



UL CSA 15A 250Vac (Twin unit is 10A 250Vac)
UL CSA 125Vac 1/2hp
UL 100°C, file E45221, CSA file LR10990



RoHS compliant

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

H 8800 V A - - -
 TERMINAL FUNCTION ROCKER BODY PRINT, COLOUR, ETC



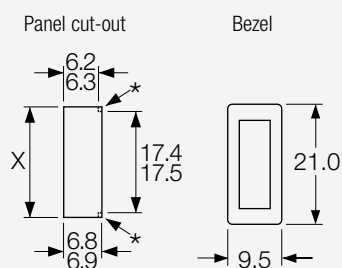
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Fax: (+34) 902 433 088
ermec@ermec.com
www.ermec.com

▶	TERMINAL	▶	FUNCTION	▶	ROCKER
H	4.8 x 0.8		Switches are ON when pressed over terminal 1		V Curved
T	3.5 x 0.8 Solder	8800	ON - OFF Single pole		
T	3.5 x 0.8 Solder	8700	ON - OFF Single pole Lower current version - contact sales for further information		
X	0.8Sq Solder * *Available for single switch only, not twin	8800/8800	Switches are ON when pressed over terminals 1 or 3		
			ON - OFF Twin (Single pole)		

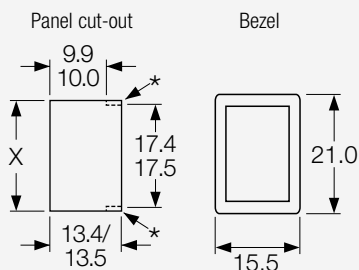


BODY

A Single pole



A Single pole - Twin



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

OPTIONS

Finish

Matt finish only.

Colour

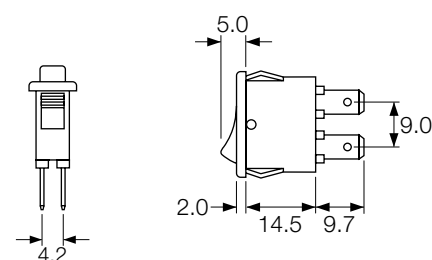
Call sales for custom colours.
A full range is available for large orders.

Legend printing

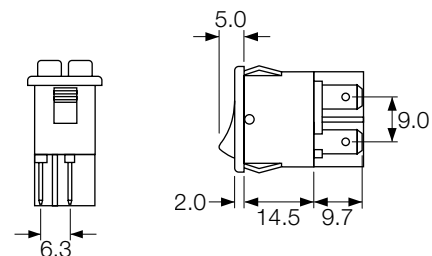
Select from the examples or call sales for custom legends.

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



- ▶ 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).

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

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www.ermec.com

TERMINAL	FUNCTION	ROCKER
H 4.8 x 0.8 8.5	Approvals & ratings vary with function ON OFF Switches are ON when pressed over terminal 1	H Slotted for custom adaptors Slots for snap-in buttons
K 2.6 1.5 2.8 x 0.8 8.5	8500 ON - OFF Single pole (Uses terminals 1a & 2a)	R Semi-rotary (not lit)
L 3.2 2.6 2.8 x 0.8 Right angle version of K terminal available on 8500 only	8503 ON (lit) - OFF Single pole	D Paddle lever (not lit)
R 1.5 3.1 4.8 x 0.8 4.5	8550 ON - OFF Double pole	V Curved (not lit)
T R1.0 R0.8 3.5 8.5 Solder	8553 ON (lit) - OFF Double pole	V Curved (lit)
	8580 Available with H terminals only Indicator	X Two colour (not lit)
		A Softline lens
		P Push button operation (8500 only) See drawing opposite



H8500VB ---
T8500VB ---



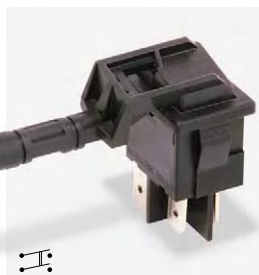
H8550VB ---
T8550VB ---



H8550HB ---
T8550HB ---



H8550XB ---
T8550XB ---



H8550RB Semi-rotary
A splash proofing option



H8500PO ---
Pushbutton option



H8553VB ---
T8553VB ---

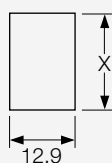


H8580AB ---

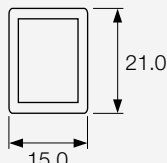
BODY

B
Standard body with terminal barrier

Panel cut-out

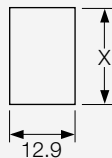


Bezel

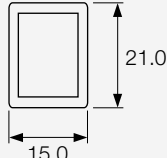


BC
Body without terminal barrier

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.

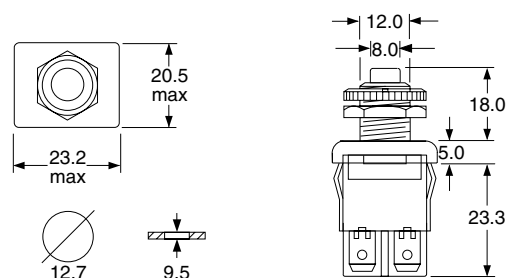
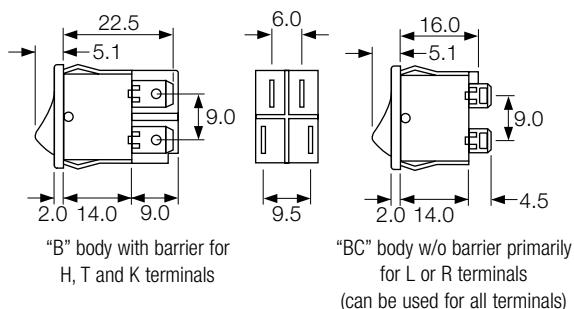
Legend printing
Select from the examples or call sales for custom legends.

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)



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

Examples of printing



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



Tel.: (+34) 902 450 160
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 	V Curved (lit)
X PCB 0.8 Sq	8601 6(1)A 16A 250V, 6A 277V 8651 6(1)A 6A 277V 	D Paddle lever (Single pole non-lit only)
	8602 10A 16A 250V, 10A 277V 8652 10(4)A 6A 277V 	
	N/A 8653 10(4)A 6A 277V 	H Slotted for actuator (8600 and 8610 only)
	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 	
	8611 6A 277V 8661 6A 277V 	F Flat Indicator only (Single pole)
	8620 μ See page 16 8670 μ See page 16 	
Double Pole switches with "X" terminals are supplied without terminal barriers	8630 	



H8600VB ---
T8600VB ---



H8600VB ---
T8600VB ---



H8630FB ---
T8630FB ---



H8650VB ---
T8650VB ---



H8660VB ---
T8660VB ---

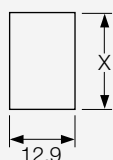


H8653VB ---
T8653VB ---

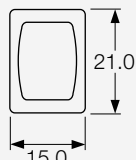
BODY

B Single pole

Panel cut-out



Bezel



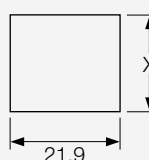
Single Pole dimensions for snap-in fixing

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

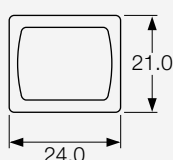
B (Double Pole) with terminal barrier

BC (Double Pole) w/o terminal barrier

Panel cut-out



Bezel



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.

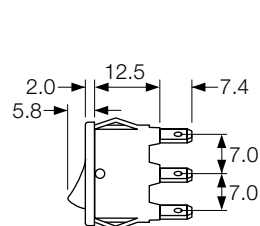


Single Pole options

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

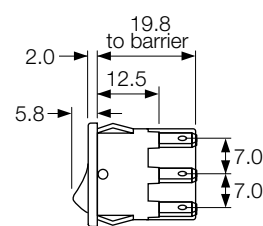
DIMENSIONS (mm)

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

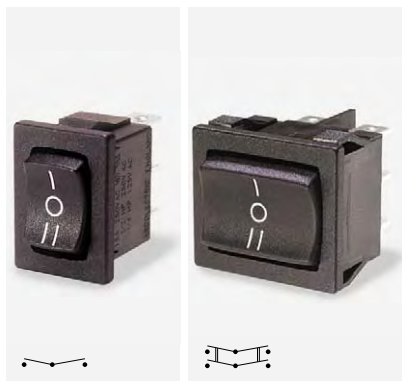


CL059



CL058

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



H8620VB ---
T8620VB ---

H8670VB ---
T8670VB ---

- ▶ 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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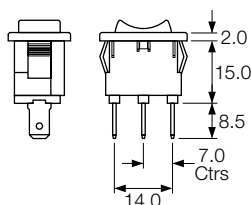
ermec@ermec.com
www.ermec.com

Distribución de componentes
eléctricos y electrónicos

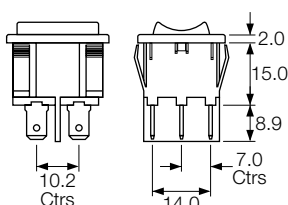
▶ TERMINAL	▶ FUNCTION	▶ ROCKER	▶ BODY	▶ OPTIONS
H 4.8 x 0.8	 8620 ON - OFF - ON Single pole	V Curved H Slotted for actuator (8620 only) 	B Single pole B Double pole 	Finish Matt finish only. Colour Call sales for custom colours. A full range is available for large orders. Legend printing Select from the examples or call sales for custom legend. 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.
T Ø2.15 Solder				
X 4.0 PCB 0.8sq Double pole switches with X terminals are supplied without terminal barriers	8670 ON - OFF - ON Double pole			

Dimensions (mm)

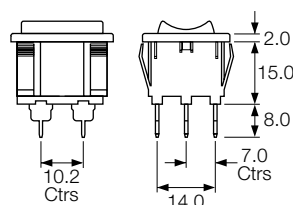
8620VB (H terminals shown)



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

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)



C1250AP ---



C1250AN ---

rocker switches



Tel.: (+34) 902 450 160
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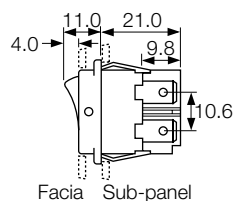
ermec@ermec.com
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Distribución de componentes eléctricos y electrónicos

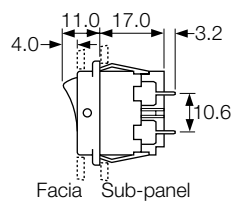
▶ TERMINAL	▶ FUNCTION	▶ ROCKER	▶ BODY	▶ OPTIONS
C 6.3 x 0.8	 On when pressed over terminal 1 1250 ON - OFF Double pole Poles are 9.0mm between centres.	A Curved Shown in N body	N Panel cut-out Sub-panel Facia Panel thickness 0.75-1.24 1.25-1.99 2.00-3.00 Dim X 26.1/26.2 26.3/26.4 26.7/26.8	Finish Matt 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.
X PCB 0.8sq (N body only)	 On when pressed over terminal 1 1250SP ON - OFF Single pole	 Shown in P body	P Panel cut-out Panel thickness 0.75-3.00	Connector block available F1344 To aid wire harness assembly

Dimensions (mm)

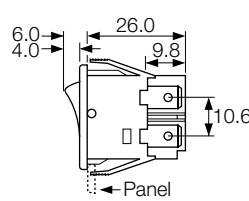
1250AN (C terminals shown)



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



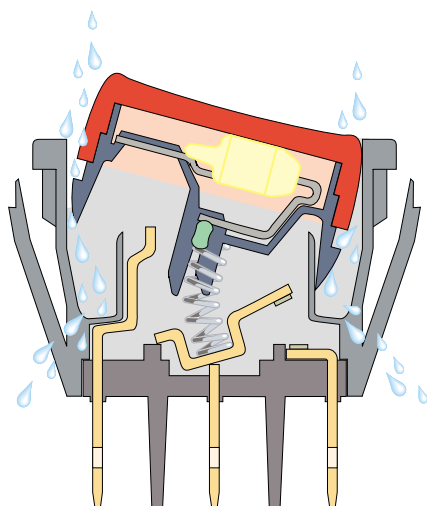
Tel.: (+34) 902 450 160

Fax: (+34) 902 433 088

ermec@ermec.com

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 	A Softline Matt
	6000 ON - OFF 	
	6001 ON - OFF (momentary ON) 	A Softline Matt
	6002 ON - OFF (momentary OFF) 	Lit
	6003 ON - OFF Lit 	
	6008 ON - OFF Lit (Unswitched neutral) 	P Lit window Matt
	6009 ON - OFF (momentary ON) Lit (Unswitched neutral) 	
	6010 ON - ON 	A Lens Matt (6030 indicator only)
	6011 ON - ON (momentary 1 side) 	
S 4.8 x 0.8 Screw & Clamp N/A for assemblies with 3 terminals	6030 Indicator 	
For twin switches and double pole circuits see pages 20 & 21		



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 ---

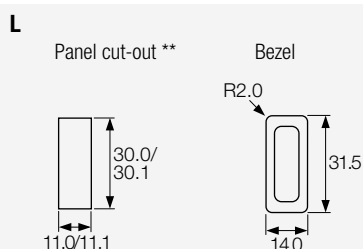


C6003PL ---



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.

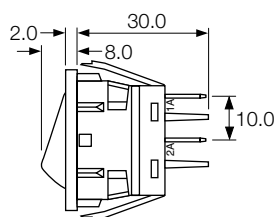
Protective cover (designed to IP65)
A snap on cover is available (add G after body code), this reduces maximum acceptable panel thickness to 2mm.



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



EN1224



EN1223

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



In house test

RoHS

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

Inrush 150A* to EN61058-1

8(8)A 250Vac T125 5E4 on 6050 only

* applies to non-momentary types

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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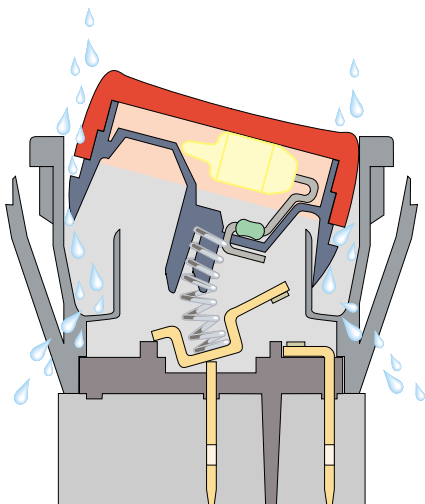
Tel.: (+34) 902 450 160

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TERMINAL	FUNCTION	ROCKER
C 6.3 x 0.8	Approvals & ratings vary with function ON OFF Switches - ON when pressed over terminals 3 & 6 	A Softline Matt
H 4.8 x 0.8	6050 ON - OFF 6051 ON - OFF (momentary ON) 6052 ON - OFF (momentary OFF) 6053 ON - OFF Lit 6054 ON - OFF (momentary ON) Lit 6055 ON - OFF (Single pole) (momentary ON) Lit 6056 ON - OFF (Single pole) Isolated light 6057 ON - OFF Isolated light 6058 ON - OFF (Single pole) Lit 6059 ON - OFF (Single pole) (momentary ON) Isolated light	A Softline Matt Lit
S Screw & Clamp N/A for assemblies with 3 terminals in either pole	6060 ON - ON 6061 ON - ON (momentary 1 side) 6062 2 Circuit ON - ON In house tests only 6066 ON - ON (Single pole) Isolated light 6067 ON - ON Lit 6068 ON - ON 1pole ON - OFF Lit 1pole 6090 ON - OFF 1pole ON - OFF Lit 1pole 6091 ON - OFF (momentary ON) Lit 6092 ON - OFF 1 pole ON - ON 1 pole Lit Circuits are Double Pole unless described otherwise	A Softline Matt Lit P Lit Window Matt Lit Window



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



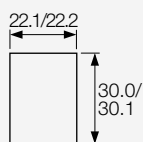
C6003P/C6030AL

rocker
switches

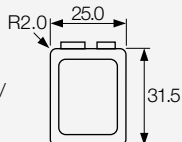
BODY

L Double pole

Panel cut-out *



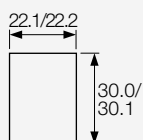
Bezel



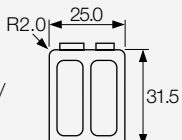
L Twin units

Contact sales for information on splashproofing and IP ratings

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 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.

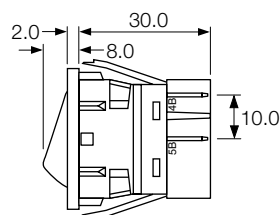
IP Ratings Call the sales for details.

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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www.ermec.com



EN1196



EN1197

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



- ▶ 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

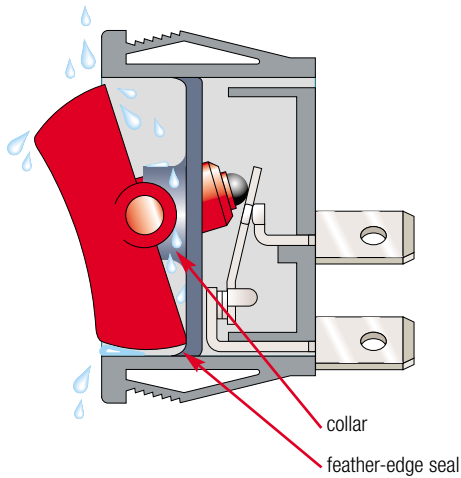
RoHS compliant

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

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 ---

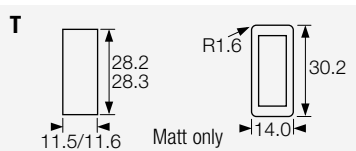
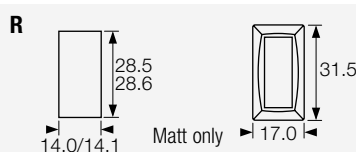
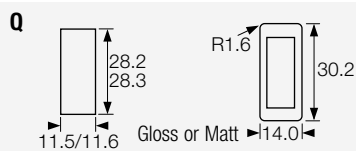
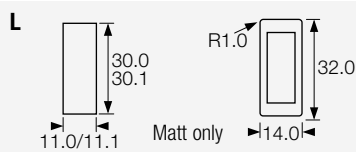
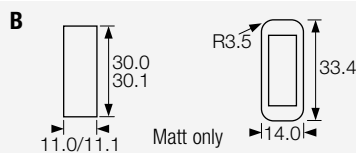
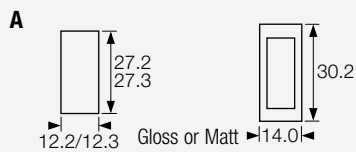


C0430AL ---
T0430AL ---

rocker
switches

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.

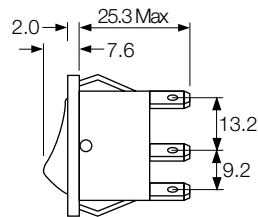
Protective cover (designed to IP65)
Snaps on to A, L, Q or T bodies (add G after body
in cat no.), this reduces maximum acceptable
panel thickness to 2mm.



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)



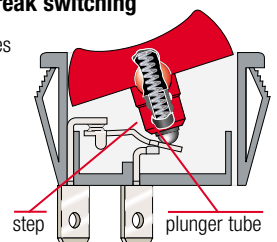
Panel thickness

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



In house test



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.



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▶ TERMINAL	▶ FUNCTION	▶ ROCKER
C 6.3 x 0.8	Approvals & ratings vary with function ON OFF Switches - ON when pressed over terminal 3 	A Softline (Matt only) Lit
H 4.8 x 0.8	5500 μ ON - OFF 	
T Solder	5503 μ preferred option ON - OFF Lit Switched neutral 	P Lit window (Matt only) Lit
	5508 μ for special applications ON - OFF Lit Unswitched neutral 	



C5503AL ---



C5500AL ---



C5503PL ---



C5503A/C5430AL



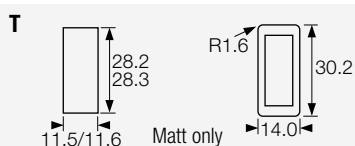
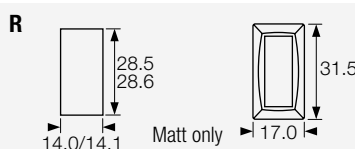
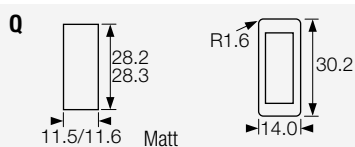
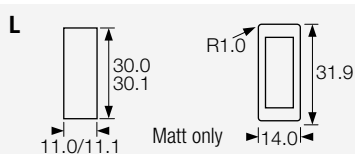
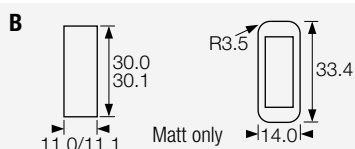
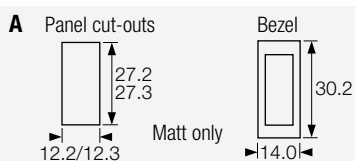
C5503P/C5503PL



C5503P/C5503PL

rocker
switches

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.

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

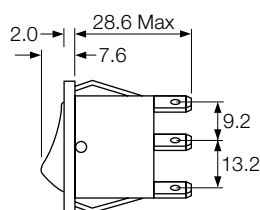
Protective cover (designed to IP65)
Snaps on to A, L, Q or T bodies (add G after body
in cat no), this reduces maximum acceptable
panel thickness to 1.2mm.



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)



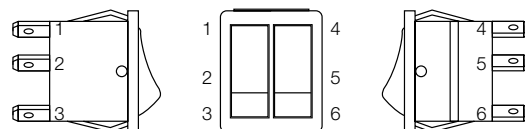
Terminal spacing - Poles 10.8 between centres (twin units)

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)



1500 Twin Units Switches and Indicators 16A 250Vac



- ▶ 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

RoHS compliant

3mm contact gap except where marked μ .

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



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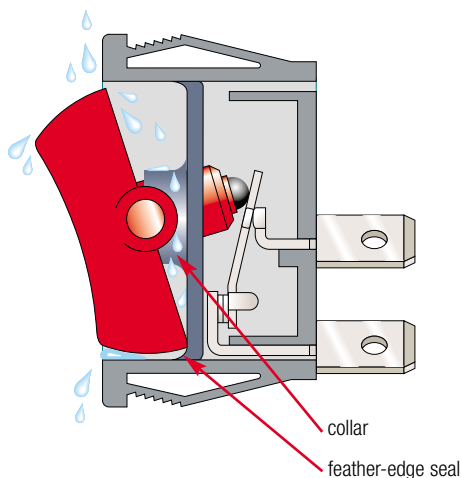
www.ermec.com

C 1500 A / C 1510 A L ---

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

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

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

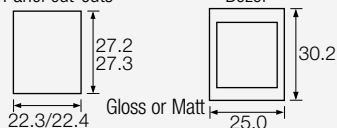


C0430A/C0430AL

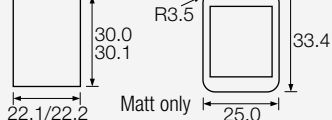
rocker switches

BODY

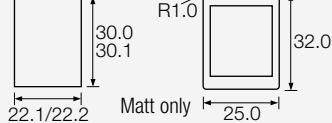
A Panel cut-outs



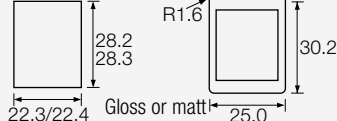
B



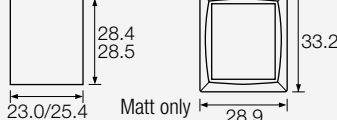
L



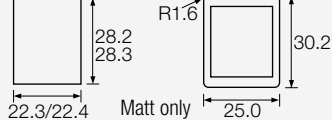
Q



R



T



Cut-outs must be punched in the direction of insertion

OPTIONS

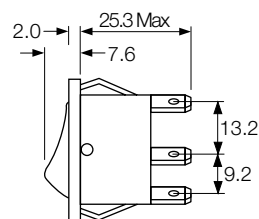
Finish Matt is standard.

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.

DIMENSIONS (mm)



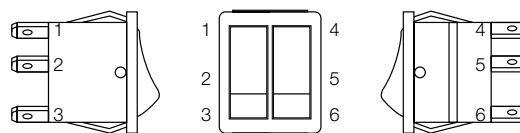
Call sales for terminal spacing details

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

For all options call sales.

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



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

*Contact sales for details on 1350 series



C1350AL ---



C1550XL ---



C1553PL ---



C1553RA ---
Shown with M614 bezel cover



C0480AL ---



Optional snap-in M441 barrier



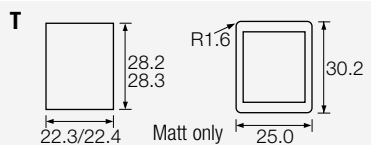
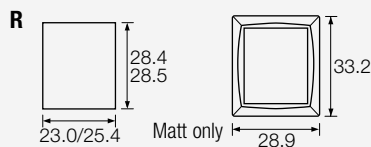
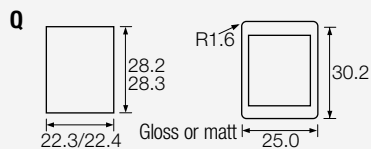
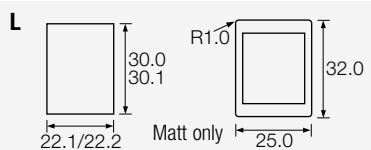
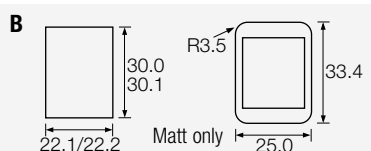
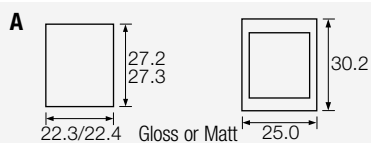
C1553AA with M616 guard
Cut-out 22.0/22.1 x 29.4/29.5
Guard accepts "A" body only



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.

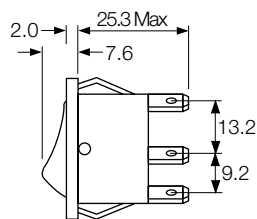
Protective cover (designed to IP65)
Snaps on to A, L, Q or T bodies (add G after body
in cat no), this reduces maximum acceptable
panel thickness to 1.2mm.



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

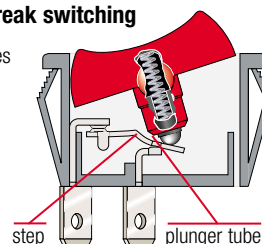
Panel thickness

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†



- ▶ 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

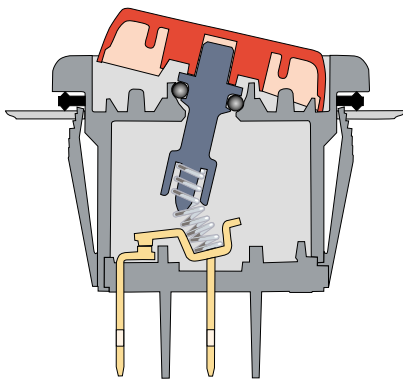
3mm contact gap.
Technical data on pages 4 & 5 (switches), 6 (indicators).
ENEC and UL approvals applied for.
* Rating for 'C' terminal only
† IP ratings: IP60 (T125), IP66 and IP67 (T55)

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

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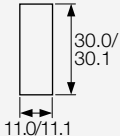
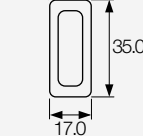
▶ TERMINAL	▶ FUNCTION	▶ ROCKER
C 6.3 x 0.8	Approvals & ratings vary with function ON OFF Switches - ON when pressed over terminal 3 	F Flat
	6100 ON - OFF 	
	6101 ON - OFF (momentary ON) 	
	6102 ON - OFF (momentary OFF) 	
	6108 ON - OFF Lit (Unswitched neutral) 	P Lit Window
	6110 ON - ON 	
	6111 ON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



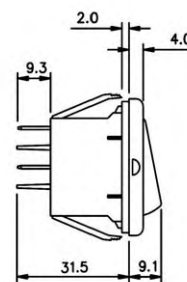
Waterproof Rocker Switch
IP67 Panel Seal.



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www.ermec.com

BODY	OPTIONS
L Panel cut-out  Bezel 	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. LED voltage Call sales for details. For all options call sales.

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



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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PRODUCT DETAILS



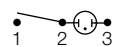
SP ON - OFF μ

Cat no.
R13 112A AAA



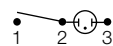
SP ON - OFF μ

Cat no.
R13 112A AAB



SP ON - OFF μ

Lit 230V
Cat no.
R13 112B NAA



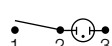
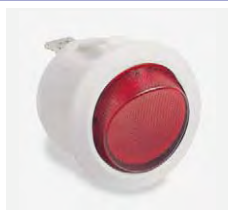
SP ON - OFF μ

Lit 230V
Cat no.
R13 112B NAB



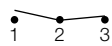
DP ON - OFF

Cat no.
R13 244A AAA



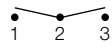
SP ON - OFF μ

Lit 230V
Cat no.
R13 112B NAC



SP ON - ON μ

Cat no.
R13 112C AAA



SP ON - OFF - ON μ

Cat no.
R13 112D AAA



SP ON - OFF μ

(Momentary ON)
Cat no.
R13 208F AAA*

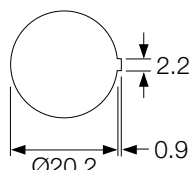


DP ON - OFF

Lit 230V
Cat no.
R13 244B NAA

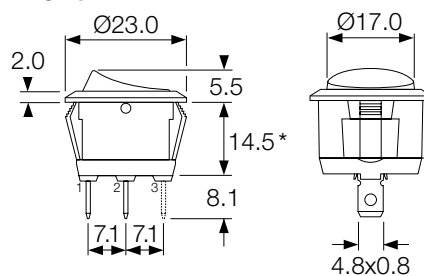
DIMENSIONS (mm)

Panel cut-out



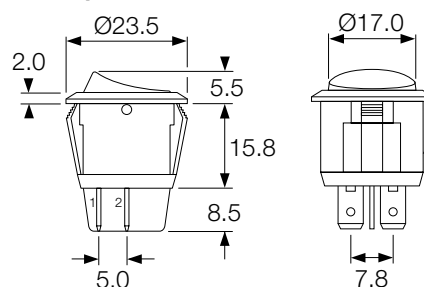
Snap fixing into panel thickness up to 3.0

Single pole



* R13 208F has 12.5mm deep body

Double pole





 R13 112B NAA



 R13 112A AAA



 R13 112A2 ---



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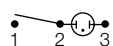
PRODUCT DETAILS



SP ON - OFF μ
Bright colour ON signal

Cat no.

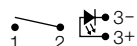
R13 112A2 - -



SP ON - OFF μ
Lit Window

Cat no.

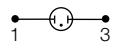
R13 112B2 - -



SP ON - OFF μ
Paddle tip has red LED

Cat no.

R13 112LP - -

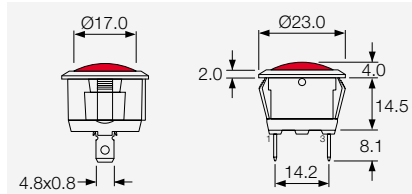
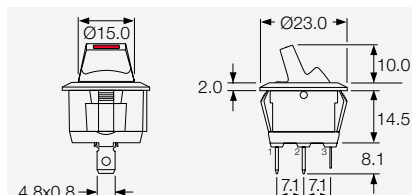
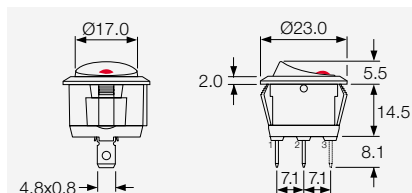
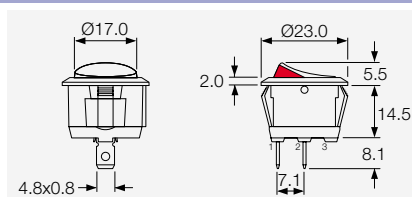


Indicator light

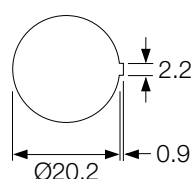
Cat no.

R9 92B - - -

approvals - contact sales



PANEL CUT-OUT (mm)



Snap fixing into panel thickness up to 3.0



Protective cover L188

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

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

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 Double pole	B metal
	3900 ON - OFF 3901 ON - OFF (momentary ON) 3902 ON - OFF (momentary OFF) 3910 ON - ON 3911 ON - ON (momentary 1 side) 3920 ON - OFF - ON μ 3921 ON - OFF - ON μ (momentary 1 side) 3922 ON - OFF - ON μ (momentary 2 sides) 3950 ON - OFF 3951 ON - OFF (momentary ON) 3952 ON - OFF (momentary OFF) 3960 ON - ON 3961 ON - ON (momentary 1 side) 3970 ON - OFF - ON μ 3971 ON - OFF - ON μ (momentary 1 side) 3972 ON - OFF - ON μ (momentary 2 sides)	Metal toggle finish is nickel plate
Other terminals to special order		

ERMEC
www.ermec.com



Guard R17-10



C3900BE ---



C3920BA ---



C3950BF ---

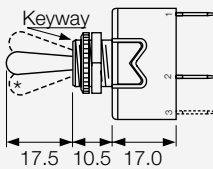


C3972BB ---

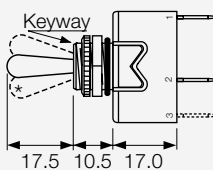
lever
switches

BODY

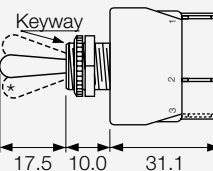
A
Single pole



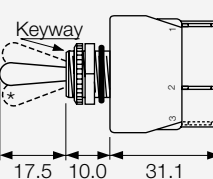
E
Panel sealed, single pole



B
Double pole



F
Panel sealed, double pole,



OPTIONS

Neck Seal M539
Actuator is visible



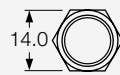
Cover M1080



Covers have internal nylon nuts

Fixing nuts

Nickel plated brass are supplied



Hex Back nut



Knurled Front nut
Panel thickness 4.0 with backnut

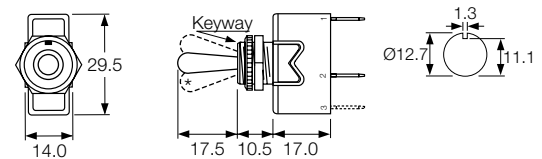
Plate

P232 plate SP or DP

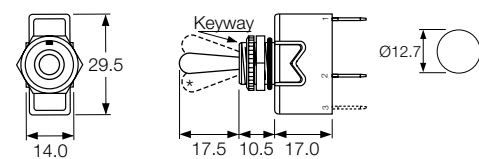


DIMENSIONS (mm) * Indicates ON position (for ON - OFF switches)

Single Pole
(C terminals shown)

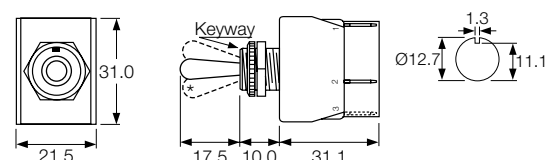


A Body

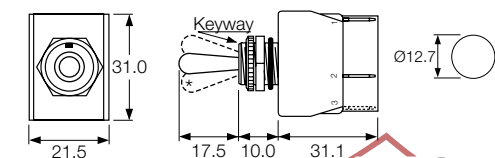


E body (panel sealed)

Double Pole
(C terminals shown with barrier)



B Body



F body (panel sealed)

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 ---

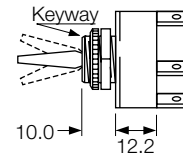
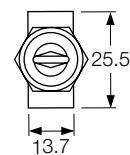
lever
switches

BODY	OPTIONS
0 Single pole Keyway 10.0 12.2	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
0 Double pole Keyway 10.0 19.2 Panel hole (all types) Panel thickness (Max) Both nuts - 3.5mm Less backnut - 6.5mm	Double Pole (C terminals shown) Keyway 10.0 19.2 Without barrier With barrier Optional terminal barrier M441.

DIMENSIONS (mm)

Single Pole

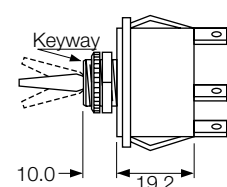
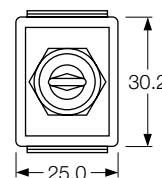
(C terminals shown)



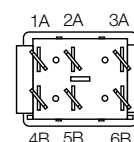
Optional
P232 plate
SP or DP

Double Pole

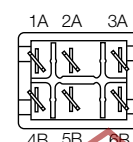
(C terminals shown)



Without barrier

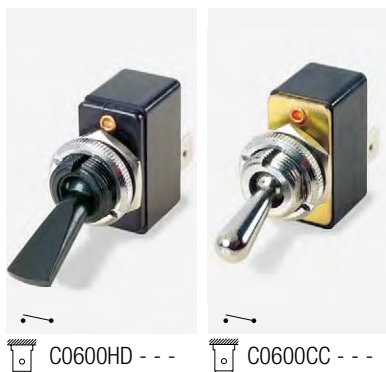


With barrier



Optional terminal barrier M441.





- ▶ 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

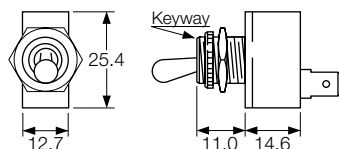
3mm contact gap.
Technical data on pages 4 & 5.

C 0600 H D - - -
TERMINAL FUNCTION ACTUATOR BODY OPTIONS

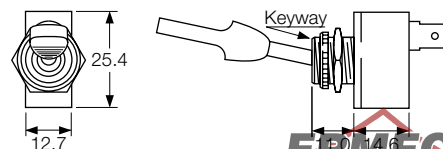
▶ TERMINAL	▶ FUNCTION	▶ ACTUATOR	▶ BODY	▶ OPTIONS
C 	0600 ON - OFF 0602 ON - OFF (momentary ON)	C Chromed brass (0600) U Nylon (0600) G Nylon (0600) H Nylon (0600) S Chromed brass stem/nylon paddle (0602 only) 	D Nylon neck and top plate (Used with actuator codes U, G and H) C Metal neck and top plate (Used with actuator codes C and S) Panel thickness - 3.5mm Back nut must be fitted Fixing nuts (Standard is M506 & T92) T5 Hex brass M506 Hex nylon T92 Knurled brass - slotted M279 Knurled nylon 	Cover M331 (C Actuator only) Seal M539 (C, H & U Actuators) Actuator visible Cover M1080 (C Actuator only) Covers have internal nylon nuts.

Dimensions (mm)

0600 (U actuator shown)



0602



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 - - -

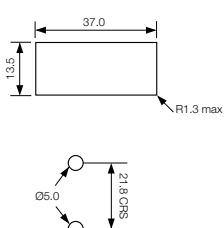
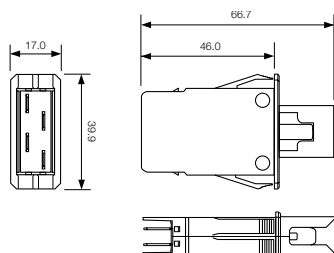
TERMINAL FUNCTION ACTUATOR BODY PRINT, COLOUR, ETC

push
switches

▶ TERMINAL	▶ FUNCTION	▶ ACTUATOR	▶ BODY
C 6.3 x 0.8	Single 4101 Double 4151 OFF - ON (momentary)	 (Off) 18.0 (Mom On) 12.6 (Full Travel) 8.0 4.0	A B C D Accessories Locking key: M1395 Connector: M1396

Dimensions (mm)

C4151HAA



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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).

H 8353 J E ---
TERMINAL FUNCTION ACTUATOR BODY PRINT, COLOUR, ETC

push
switches

TERMINAL	FUNCTION	ACTUATOR
C 6.3 x 0.8 H 4.8 x 0.8 A As "H" but right angle 4.8 x 0.8 K 2.8 x 0.8 T 2.8 x 0.8 Solder X PCB 0.8 Sq V Dual pin PCB (Call sales for matrix dims)	Approvals & ratings vary with function Single pole switches use terminals 1 & 2 (& 3) 8300 ON - OFF Single pole 8301 ON - OFF (momentary ON) Single pole 8303 ON - OFF with light Single pole 8304 ON - OFF (momentary ON) with light Single pole 8350 ON - OFF Double pole 8351 ON - OFF (momentary ON) Double pole 8353 ON - OFF with light Double pole 8354 ON - OFF (momentary ON) with light Double pole 8355 ON - OFF Single pole Isolated light - switched 8356 ON - OFF Single pole Isolated light - unswitched	A Standard actuator H Slotted for custom actuators Slots for snap-in buttons C Square actuator E Radiused actuator F Small round actuator J Smooth curved actuator M D Large round actuator

ERMEC
All actuators except H available lit



H8350AB ---
T8350AB ---



H8353JE ---
T8353JE ---



H8353EB ---
T8353EB ---



H8353CB ---
T8353CB ---



H8350DB ---
T8350DB ---



H8350HB ---
Example of actuator

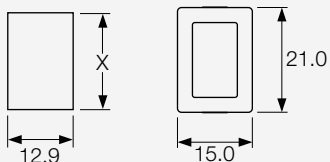
push
switches

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

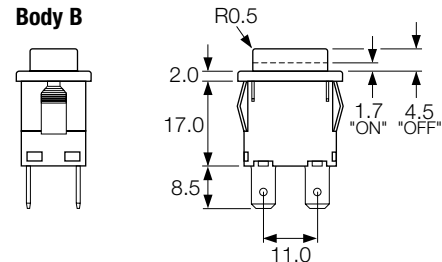
L167 Protective cover (designed to IP65)



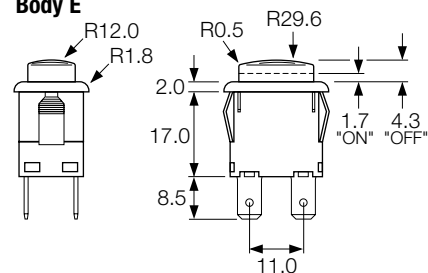
Snap on to switch bodies fitted with "A" or "J" style actuators but increases effective panel thickness by 0.8mm

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

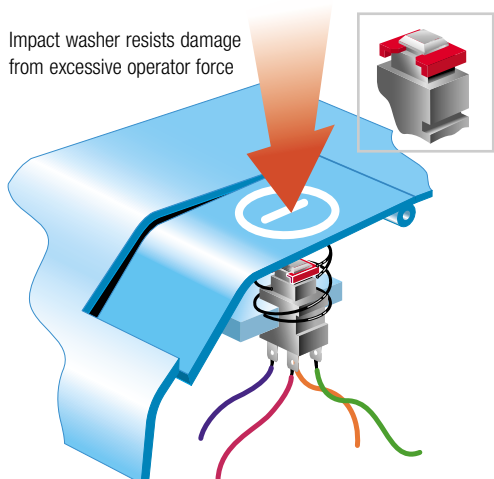
3mm contact gap.
Technical data on pages 4 & 5.

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

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

Alternative Actuator

Impact washer resists damage from excessive operator force



C8250AA ---
with impact washer M1226



X8201AA ---



K8200AA ---



A8200AA ---



M8200AC ---



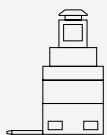
Example of M8200AC

push
switches

BODY

A

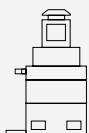
Standard body



See dimensioned drawings for details

C

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

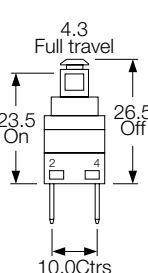
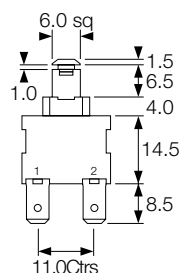
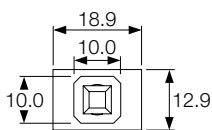


See dimensioned drawings for details

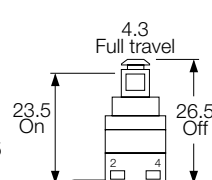
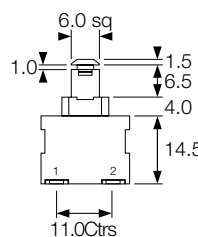
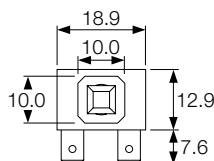
X and V PCB terminals.
Additional dummy terminals may be supplied for extra support.

DIMENSIONS (mm)

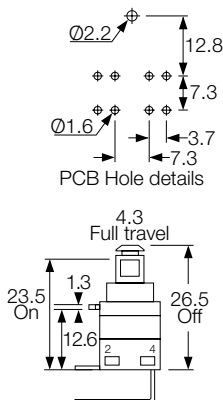
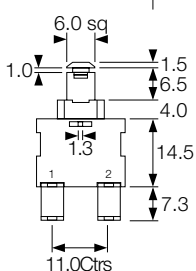
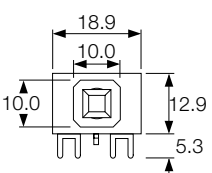
'A' body with 'H' 4.8 terminals



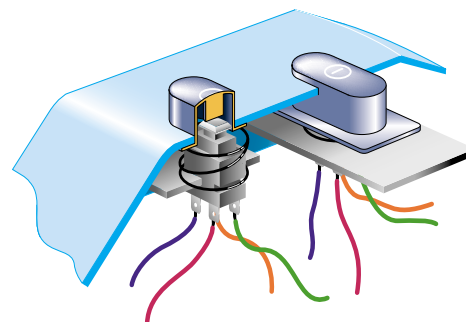
'A' body with 'A' right angle 4.8 terminals



'C' body with 'M' right angle PCB terminals



Example of possible mounting styles



ERMEC, S.L. BARCELONA
C/ Francesc Teixidó, 22
E-08918 Badalona
(Spain)

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

ERMEC, S.L. MADRID
C/ Sagasta, 8, 1ª planta
E-28004 Madrid
(Spain)

PORTUGAL
portugal@ermec.com
BILBAO
bilbao@ermec.com

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).

C 7053 A F ---

TERMINAL FUNCTION ROCKER BODY PRINT, COLOUR, ETC

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 21.1 9.1 B Round actuator - medium shown in F body 21.1 11.5 18.6 C Round actuator - long shown in F body 21.1 11.2 20.0 D Round actuator - sub panel mount 21.1 11.2 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	
	7050	 Double pole ON - OFF	
	7051	 Double pole ON - OFF (momentary ON)	
H 4.8 x 0.8 9.1	7053	 Double pole ON - OFF with light	
	7054	 Double pole ON - OFF (momentary ON) with light	
	7030	 Indicator	



C7000AF ---



C7003AF ---



C7053CF ---



C7053BF ---



C7050SA ---



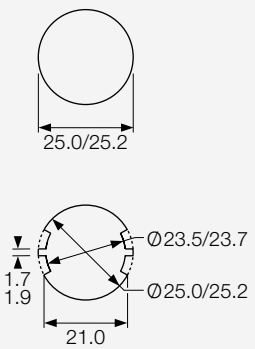
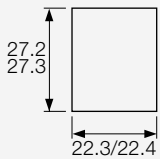
C7053AG ---



C7053DF ---



C7030AH ---

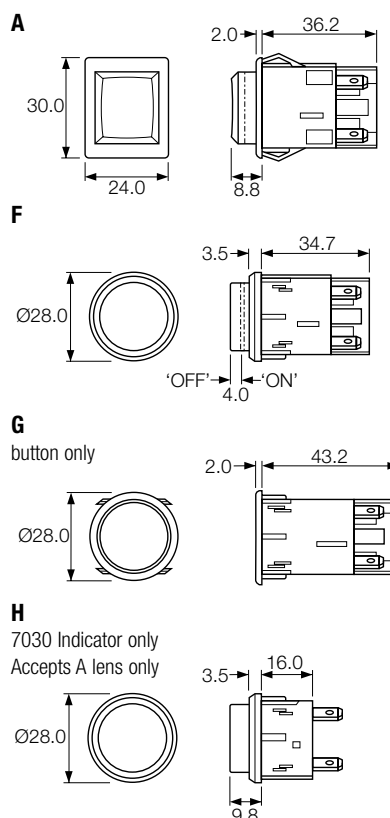
BODY	OPTIONS
Panel cut-outs F H G Body types fit either cut-out  A  Cut-outs must be punched in the direction of insertion	Finish Matt finish is standard on bodies. Gloss finish is standard on actuators. Colour Call sales for custom colours. A full range is available for large orders. Legend printing 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



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C/ Sagasta, 8, 1ª planta
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(Spain)

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BILBAO
bilbao@ermec.com

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 ---



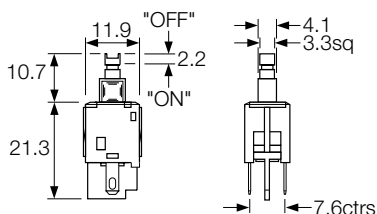
T1100AC ---

T 1100 A A ---
TERMINAL FUNCTION ACTUATOR BODY OPTIONS

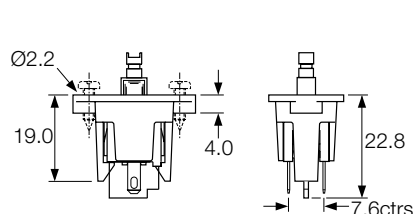
▶ TERMINAL	▶ FUNCTION	▶ ACTUATOR	▶ BODY
T 1100 ON - OFF (alternate) Single pole ON - OFF (momentary ON) Single pole	 1100 ON - OFF (alternate) Single pole 1101 ON - OFF (momentary ON) Single pole	A Actuator without button B Softline button 	A For purpose designed facias and sub-panels 11.9 10.0 B Snap-in fixing 12.9 13.0 21.0 15.0 Panel thickness 0.75-1.24 1.25-1.99 2.00-3.00 Dimension X 19.1/19.2 19.3/19.4 19.7/19.8 C 2 Hole fixing 20.0 7.0 Min 5.0 Min Ø3.1 27.0 16.5

Dimensions (mm)

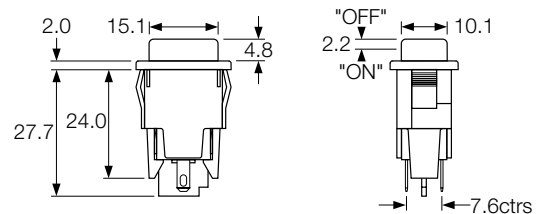
T1100AA (Enclosure mounting)



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.

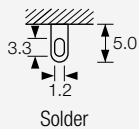
- ▶ Self wiping contacts
- ▶ Slow make & break
- ▶ Momentary action
- ▶ Choice of switch circuits
- ▶ Choice of actuators



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

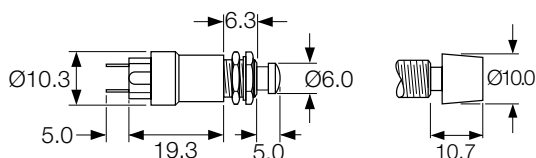
T 0916 S O ---
TERMINAL FUNCTION ACTUATOR BODY COLOUR

▶ TERMINAL	▶ FUNCTION	▶ ACTUATOR	▶ BODY	▶ OPTIONS
T	0916 Black base SP ON-OFF (momentary ON) 0917 50V only Brown base SP ON-ON (momentary 1 side) 0918 White base SP ON-OFF (momentary OFF) 0919 Black base SP ON-ON (momentary 1 side) 0920 White base DP ON-OFF (momentary ON)	S Small Actuator L Large Actuator V Vandal Resistant IP66 Flat top Stainless steel	O for L and S Actuator Ø7.1 Panel Cut-out Panel thickness Both nuts - 2.5mm No backnut - 4.0mm A for V Actuator (stainless steel) Chamfer profile bezel Ø19.2 Panel Cut-out Panel thickness - 8.0mm	Finish Gloss finish for L and S actuators. Colour Call sales for custom colours. A full range is available for large orders.



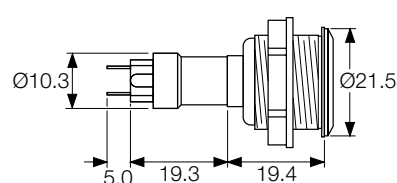
Dimensions (mm)

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



RoHS

16(4)A 250Vac 50E3

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

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

RoHS compliant

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



C0911RB ---

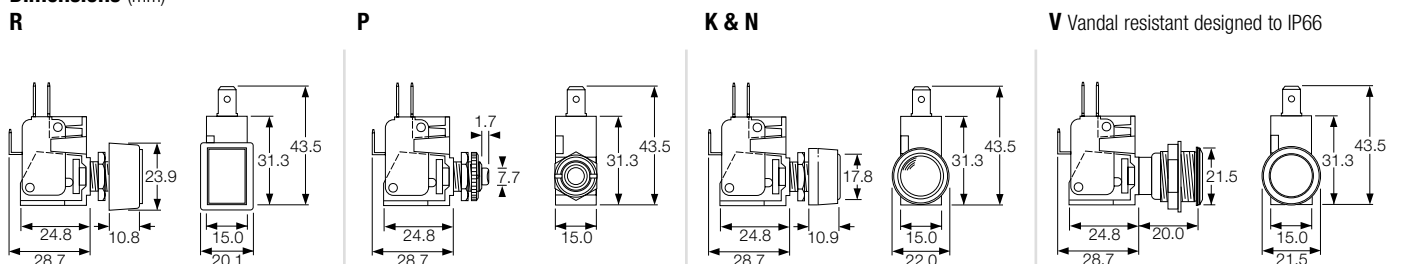
C0911PB ---

C 0911 K B ---

TERMINAL FUNCTION ACTUATOR BODY COLOUR

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

Dimensions (mm)



1900 Vandal Resistant Switches - Designed to IP66



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 ---



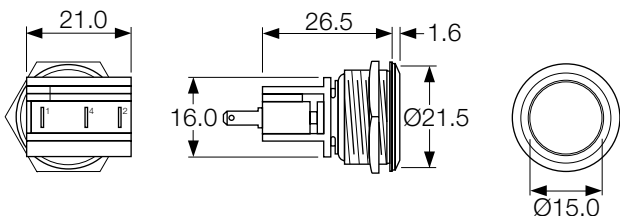
P1961VL ---

P 1911 V L
TERMINAL FUNCTION ACTUATOR BODY

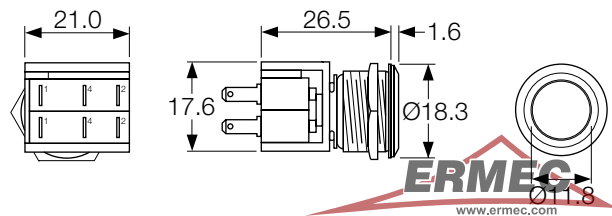
▶ TERMINAL	▶ FUNCTION	▶ ACTUATOR	▶ BODY
P 2.8 x 0.5	1911 ON - ON (momentary 1 side) Single pole	V Flat top (stainless steel) 	A Stainless steel Chamfer profile bezel Ø19.2 Panel cut-out Panel thickness up to 4.0mm
T Solder	1961 ON - ON (momentary 1 side) Double pole	P Domed top (stainless steel) 	L Stainless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

Dimensions (mm)

Single pole (P1911VA shown)



Double pole (P1961VL shown)



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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

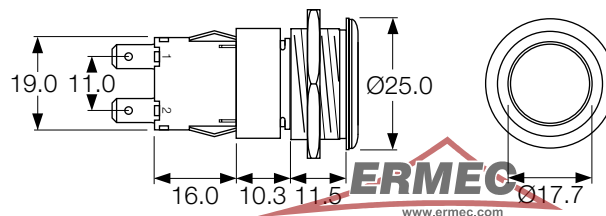
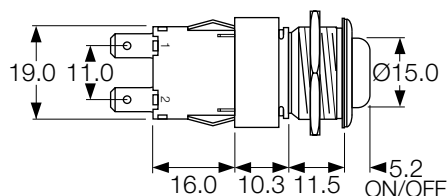
3mm contact gap.
Technical data on pages 4 & 5.
Switching mechanism not sealed.

H 8300 R P
TERMINAL FUNCTION ACTUATOR BODY

▶ TERMINAL	▶ FUNCTION	▶ ACTUATOR	▶ BODY
C 6.3 x 0.8 10.1	8300 ON - OFF (alternate) Single pole	R (for P body only) Raised top (stainless steel) 	P (for R actuator only) Stainless steel, Soft profile bezel Ø19.2 Panel cut-out Panel thickness 0.75 - 8.0mm
H 4.8 x 0.8 8.5	8301 ON - OFF (momentary ON) Single pole	V Flat top (stainless steel) 	M Stainless steel Ø22.5 Panel cut-out Panel thickness 0.75 - 8.0mm
K 2.6 1.5 8.5 Solder	8350 ON - OFF (alternate) Double pole	P Domed top (stainless steel) 	
T 2.6 1.5 7.0 Solder	8351 ON - OFF (momentary ON) Double pole		
V 3.7 Ctrs 4.3 Dual pin PCB			
X 4.5 7.0 0.8Sq PCB			

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.

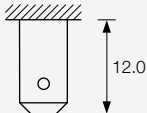
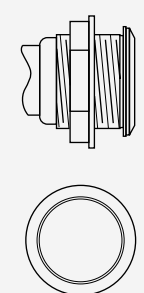
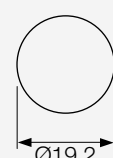
- ▶ Snap action switches
- ▶ Ratings up to 16A, 250V ac
- ▶ Stainless steel button and bezel
- ▶ Front panel sealed to IP66
- ▶ Single pole C/O switch



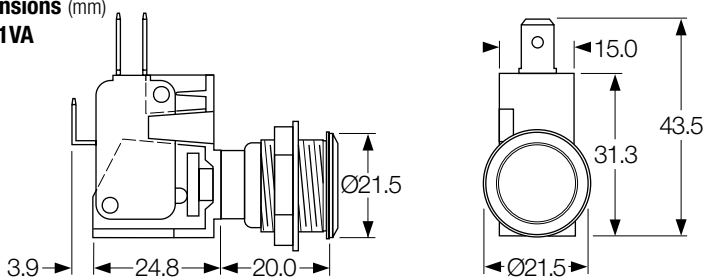
C0911VA ---

C 0911 V A

TERMINAL FUNCTION ACTUATOR BODY

▶ TERMINAL	▶ FUNCTION	▶ ACTUATOR	▶ BODY
C  6.3 x 0.8 12.0	0911  ON - ON (momentary 1 side)	V Flat top (stainless steel) 	A Stainless steel Chamfer profile bezel  Ø19.2 Panel cut-out Panel thickness up to 8.0mm

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



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www.ermec.com

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



X22205C ---



T2220EC ---



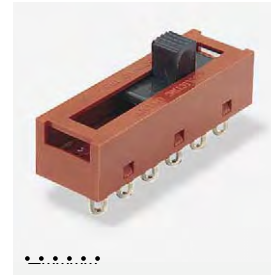
T23206A ---



T24306A ---



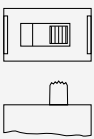
T25302A ---



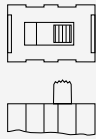
T25100A ---

BODY

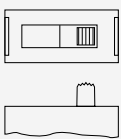
C 2 positions



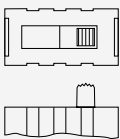
H 2 positions



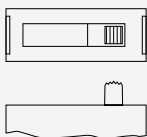
A 3 positions



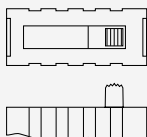
H 3 positions



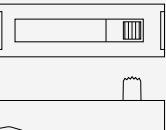
A 4 positions



H 4 positions



A 5 positions



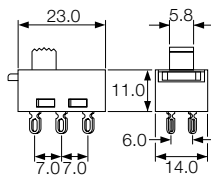
OPTIONS

Colour

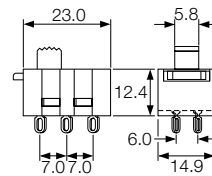
For custom slider colours call sales. A full range is available for large orders

DIMENSIONS (mm)

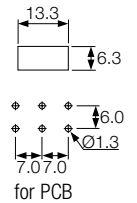
2 Position C body



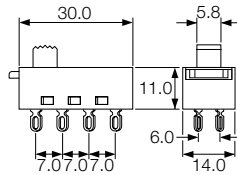
2 Position H body



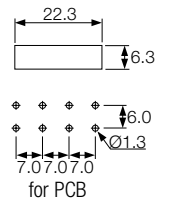
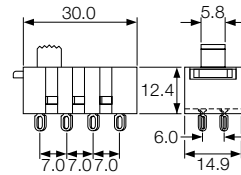
Cut-out/PCB Matrix



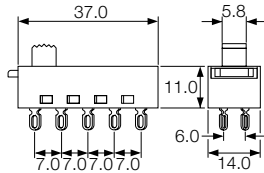
3 Position A body



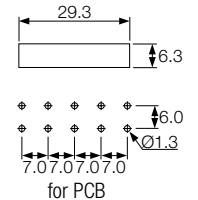
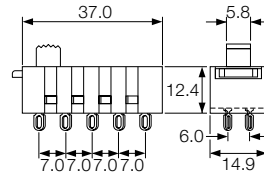
3 Position H body



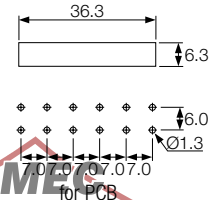
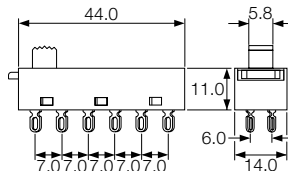
4 Position A body



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 Viewed from back	SLIDER				
K 2.8 x 0.8			10 20 30 40 	0 2 Pos B Body only 2 2 Pos B Body only 3 2 & 3 Pos B Body only 4 2 & 3 Pos B Body only 5 2 Pos B Body only Also with legend 	6 2 & 3 Pos B Body only 7 2 & 3 Pos B Body only 8 E Body only Legend optional 9 2 & 3 Pos B Body only A 2 Pos B Body only 	C 2 & 3 Pos B Body only D 2 & 3 Pos B Body only E 2 Pos B Body only Limited travel on 2 pos H 2 Pos B Body only K 2 & 3 Pos B Body only Limited travel on 2 pos 	L 2 & 3 Pos B Body only Limited travel on 2 pos M F Body only Legend optional N 2 Pos B Body only P 2 & 3 Pos B Body only Limited travel on 2 pos R 2 & 3 Pos B Body only 	S Limited travel on 2 pos 2 & 3 Pos B Body only T 2 & 3 Pos B Body only
R 2.8 x 0.8		2 Switching positions						
T Solder	2		10 20 30 40 					
X PCB 0.8 Sq. For mounting stability switches have extra "support" terminals * Nominal - Dimension varies with body type. For exact figure call sales		3 Switching positions						



T22208E ---



T22308E ---



T2230MF ---



T22205B ---



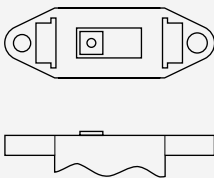
T22305B ---



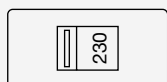
T23204B ---

BODY

B With fixing holes

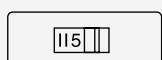


E Snap-in



Cut-outs must be punched in the direction of insertion

F Snap-in (single pole ON OFF only)



Cut-outs must be punched in the direction of insertion

OPTIONS

Colour

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

Standard body colour is black

Legend printing

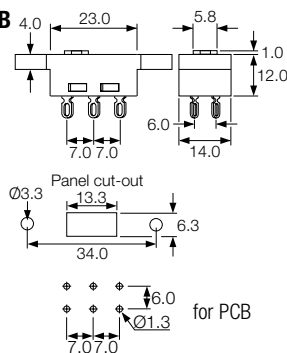
A wide range is available

For all options call sales

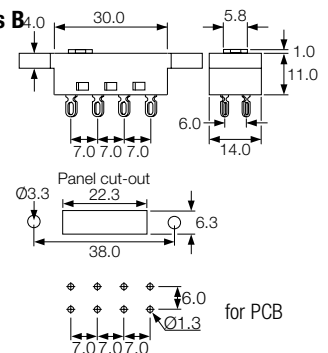
DIMENSIONS (mm)

Cut-out / PCB Matrix

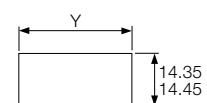
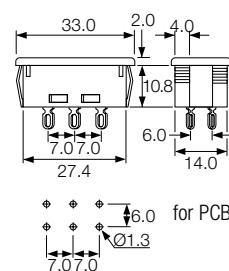
2 Pos B



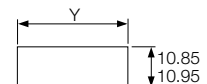
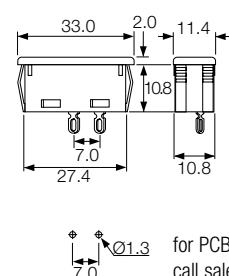
3 Pos B



2 Pos E



2 Pos F



for PCB, call sales for details

www.ermec.com

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 	V4			
T 				
X 				
D 				
J 				
Viewed from non plunger end (NC terminal end)				
			0 	
		1 Standard T85	1 	A Standard ratio
		2 High Temperature T125	2 	N No lever





PV410N9908



XV410A1023



DV410N0016



JV410A0323



XV410A0623



PV410N0016

LEVER SHAPE

- 00** No lever
- 01 03** Plain lever
- 06** Roller lever
- 10** Snake lever
- 99** Domed actuator

	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

OP. FORCE

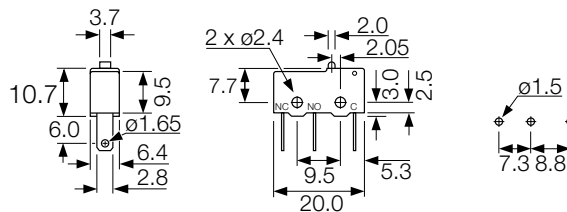
(without lever)

08
80gms

16
160gms

23
230gms

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



www.ermec.com

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

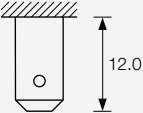
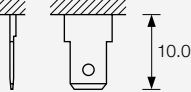
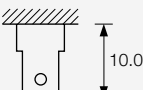
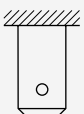
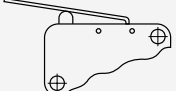
16A 125/250Vac 3/4hp T85 50E3 UL file no. E45221

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

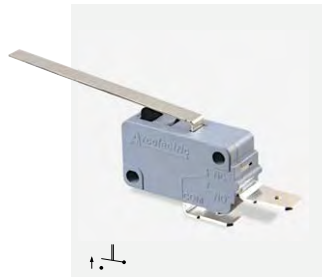
RoHS compliant

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			
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				
		1 Standard T85	0  CO ON-(ON) (momentary 1 side)	A  Standard ratio
		2 High Temperature T125	1  NO (ON) - OFF (momentary ON)	B  High ratio
			2  NC ON - (OFF) (momentary OFF)	N  No lever

snap action
switches



CV311A0420



CV311N0005



TV311A0316



LV310N0010



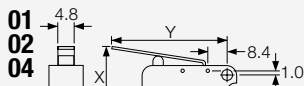
CV312A1335



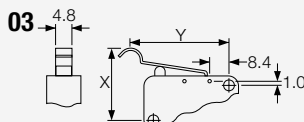
CV310N0010

LEVER SHAPE

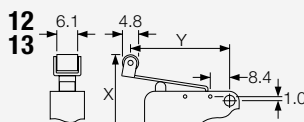
00 No lever



Plain lever



Snake lever



Roller lever

	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.

OP. FORCE

without lever

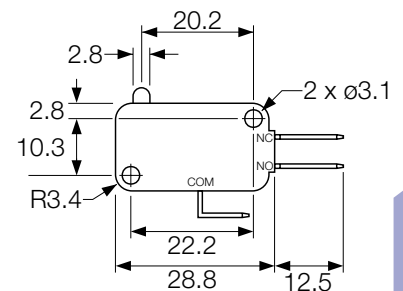
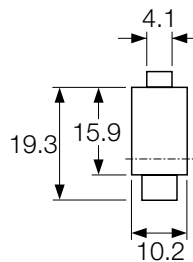
05
55gms

10
100gms

20
200gms

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

Safety Cut-out Switches 16A 250Vac



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

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.



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

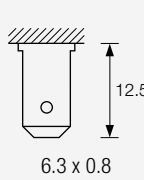
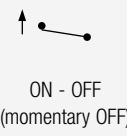
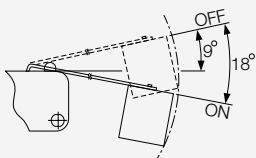
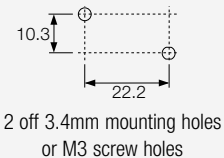
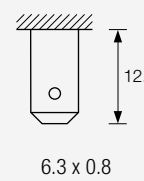
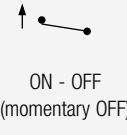
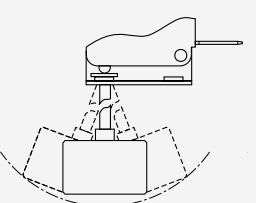
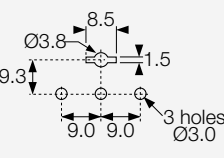


RoHS compliant

μ contact gap.

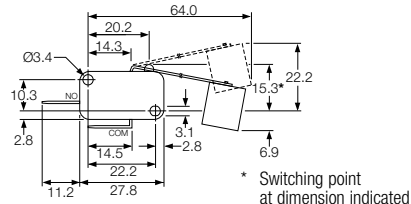
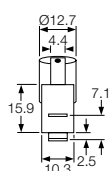
C0320AA - - -

TERMINAL FUNCTION ACTUATOR MOUNTING

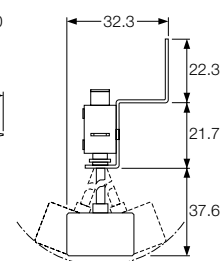
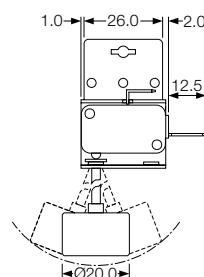
ORDER CODE	TERMINAL	FUNCTION	ACTUATOR	MOUNTING
C0320AA		 ON - OFF (momentary OFF)		 2 off 3.4mm mounting holes or M3 screw holes
C0320BB		 ON - OFF (momentary OFF)		 3 holes Ø3.0

Dimensions (mm)

C0320AA



C0320BB



Switch actuating point 40° in any direction off vertical

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 - - -

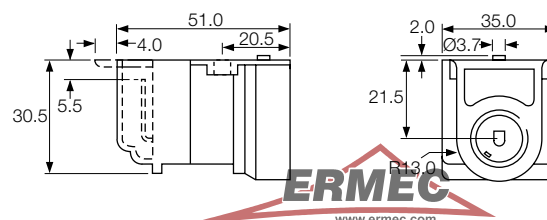
C 0305 R T - - -

TERMINAL FUNCTION MOUNTING BODY COLOUR, ETC

▶ TERMINAL	▶ FUNCTION	▶ MOUNTING	▶ BODY	▶ OPTIONS
C 6.3 x 0.8 9.1	0305 (E14) ON - OFF Switch and Lampholder 0306 (E12) ON - OFF Switch and Lampholder	L For Left hinged lid for 0305/0306 switches not for 0307/0308 lampholders View from bulb end	T Body without flange for 0305/0306 switches and for 0308 lampholders Top view	Colour Call sales for colours. A full range is available for large orders.
H 4.8 x 0.8 9.1	0307 (E14) Lampholder only (No Switch) 0308 (E12) Lampholder only (No Switch)	R For Right hinged lid for 0307/0308 lampholders or 0305/0306 switches View from bulb end	S Body with rear flange for 0307/0308 lampholders and for 0305/0306 switches Top view	

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 ---

- ▶ 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

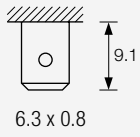
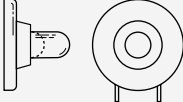
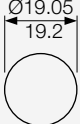
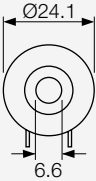
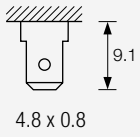


C0055RB ---

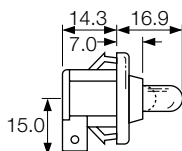


C0056RB ---

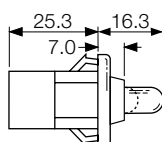
C 0055 R B - - -
TERMINAL FUNCTION ACTUATOR BODY COLOUR, ETC

▶ TERMINAL	▶ FUNCTION	▶ ACTUATOR	▶ BODY	▶ OPTIONS
C  6.3 x 0.8 9.1	0055  ON - OFF (momentary OFF)	R 	B Panel cut-out  Ø19.05 19.2 Panel thickness 0055 1.0 - 1.6 0056 1.0 - 2.6 Flange  Ø24.1 6.6	Finish Gloss finish only Colour White or black Call sales for custom colours.
H (0056 only)  4.8 x 0.8 9.1	0056  ON - OFF (momentary OFF)			

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 Panel cut-out 12.1/12.2 L Bezel 14.0 B Bezel Profile 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 Panel cut-out 12.1/12.2 S Bezel (for sub panel mounting) 18.0 U Bezel Profile 2.0 5.0	

Dimensions (mm) (C terminals shown)

3005			3006		
 B Actuator	 C Actuator	 R, L & B terminals (for 3005)	 B Actuator	 C Actuator	 R, L & B terminals (for 3006)

Splashproof



 E3111BA - - -

- 



UL 85°C, file E45221, CSA file LR10990

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

Independently tested to EN 60079-15

RoHS

RoHS compliant

μ contact gap.

Technical data on pages 4 & 5.

Sealed terminals option available. Call sales for details.

TERMINAL FUNCTION ACTUATOR BODY COLOUR, ETC

refrigerator switches

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

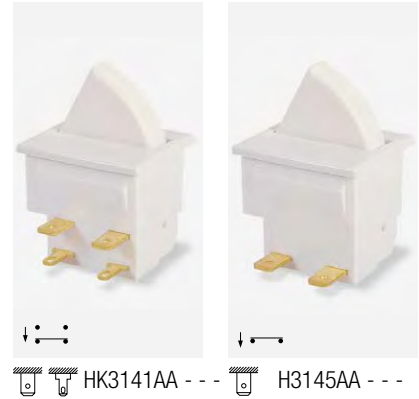
24Vac & 110Vac Lampload (500,000 operations)



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



HK3141AA - - - H3145AA - - -

HK 3141 A A - - -

TERMINALS FUNCTION ACTUATOR BODY COLOUR, ETC

▶ TERMINAL	▶ FUNCTION	▶ ACTUATOR	▶ BODY	▶ OPTIONS
H 4.8 x 0.8 Standard format is H terminals in positions 1 & 2 and K terminals in positions 3 & 4 For sealed terminals call sales	 3141 3145 3146 	A B C D 	A 	Finish Gloss finish only Colour White is standard Call sales for custom colours. A full range is available for large orders.

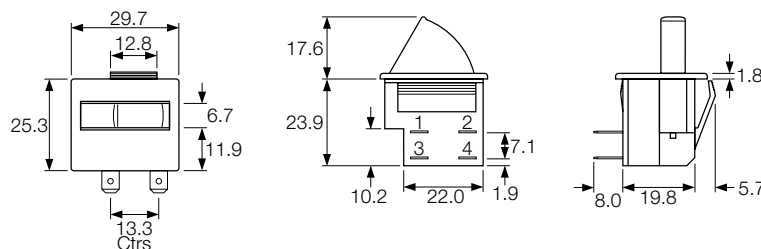
Dimensions (mm) ("A" actuator shown)

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.



9000 Rotary Switches 2A 250Vac

ermec@ermec.com



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



RoHS

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.

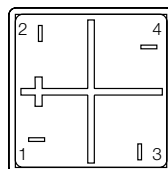
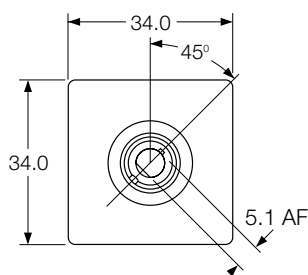
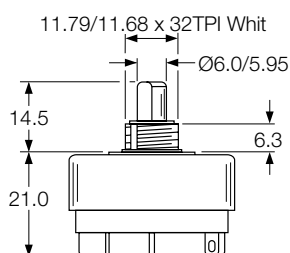
T9000 00 ---

T 9000

TERMINAL FUNCTION

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

Dimensions (mm)



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tel: +44 (0)20 8979 3232 • Arcoelectric • email: info@arcoswitch.co.uk

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

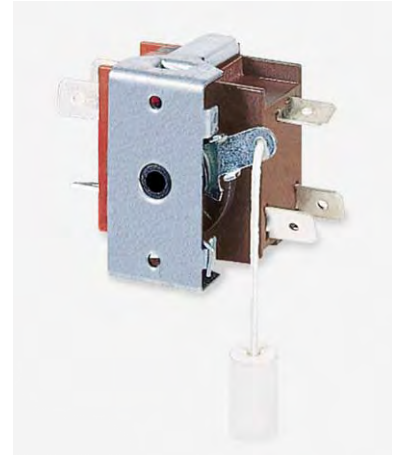
9100 pull cord switches have 45° indexing



RoHS compliant

3mm contact gap
Technical data on pages 4 & 5

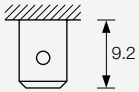
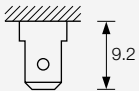
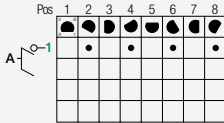
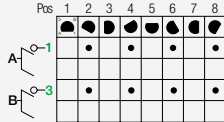
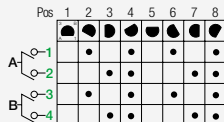
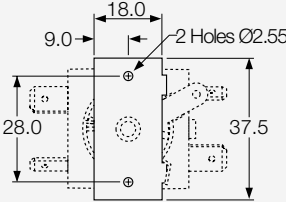
- Pull cord operation
- Ratings up to 16A, 250V ac; 20A, 28V dc
- 2 & 4 way rotary switch
- Pairs of single pole change over contacts
- Wide choice of switching circuits



C9821PC ---

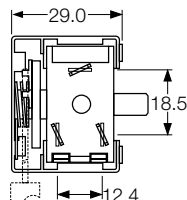
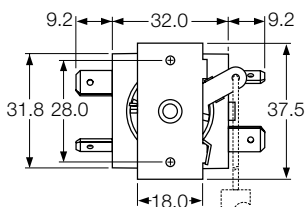
C 9 8 2 1 PC

TERMINAL SERIES PULL CORD POSITIONS CIRCUIT BODY

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

Dimensions (mm)

9100PC (C terminals shown)



www.ermec.com

tel: +44 (0)20 8979 3232 • Arcoelectric • email: info@arcoswitch.co.uk

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

RoHS compliant

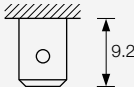
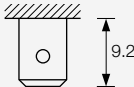
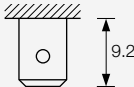
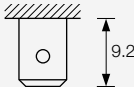
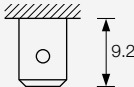
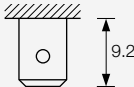
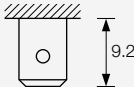
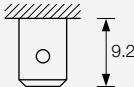
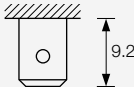
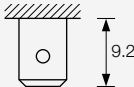
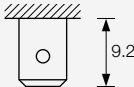
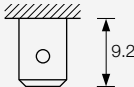
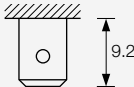
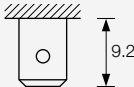
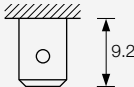
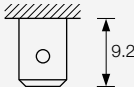
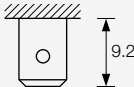
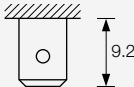
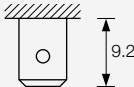
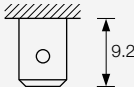
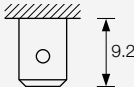
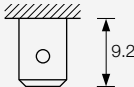
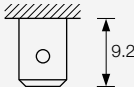
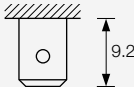
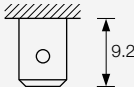
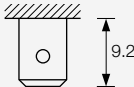
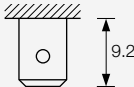
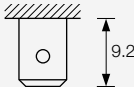
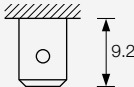
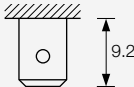
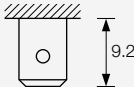
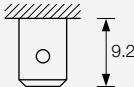
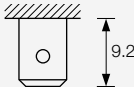
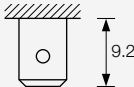
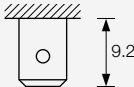
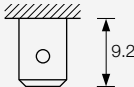
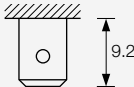
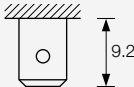
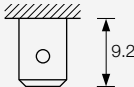
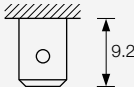
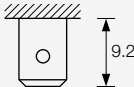
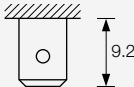
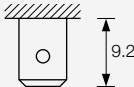
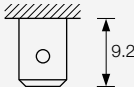
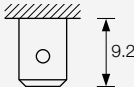
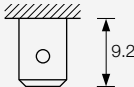
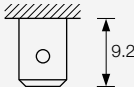
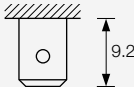
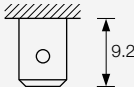
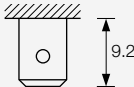
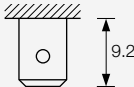
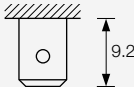
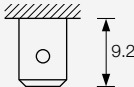
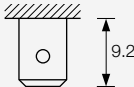
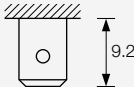
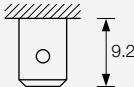
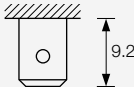
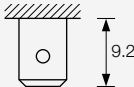
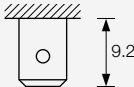
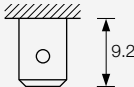
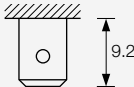
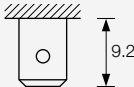
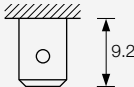
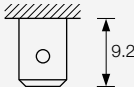
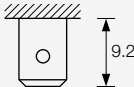
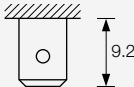
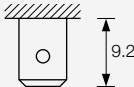
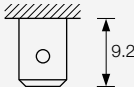
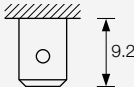
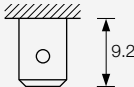
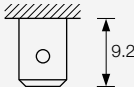
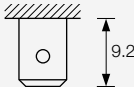
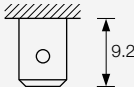
9100 switches are highly versatile with up to 6 positions at 30° intervals and 6 terminals per switch. For more complex switching (7 positions & over), contact sales. Two switches may be stacked to give up to 12 terminal switching.

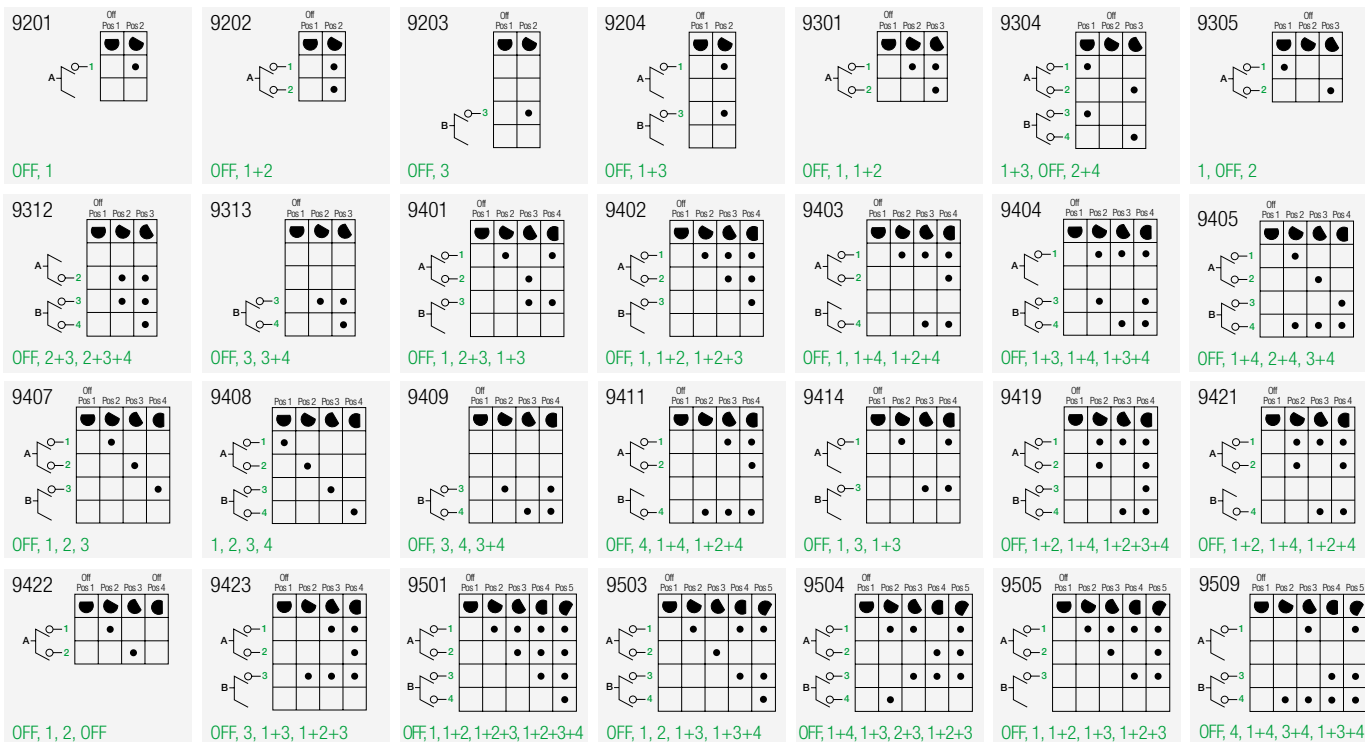
3mm contact gap.

Technical data on pages 4 & 5.

C 9 5 01 D A

TERMINAL SERIES POSITIONS CIRCUIT SPINDLE BODY

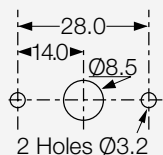
▶	TERMINAL	▶	SERIES	▶	POSITION	▶	CIRCUIT	▶	SPINDLE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
C	 6.3 x 0.8				2	Switching positions	9100 switches offer almost infinite switching options For this reason it is impractical to show all the options available. The table below gives an example of a 5 position switching sequence: OFF, 1, 1+2, 1+2+3, 1+2+3+4 <table><thead><tr><th></th><th>Off</th><th>Pos 1</th><th>Pos 2</th><th>Pos 3</th><th>Pos 4</th><th>Pos 5</th></tr></thead><tbody><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><tr><td>C</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>N</td><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table> 9		Off	Pos 1	Pos 2	Pos 3	Pos 4	Pos 5	A							B							C							N																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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BODY

A

Standard 2 hole fixing

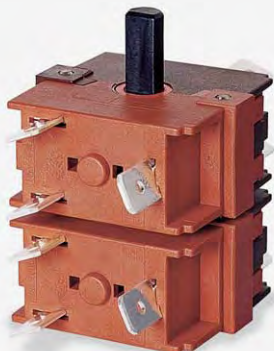


Recommended fixing

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

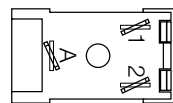
A spacer can be fitted to the switch body to increase the clearance between the mounting panel and switch terminals.

Custom spindles

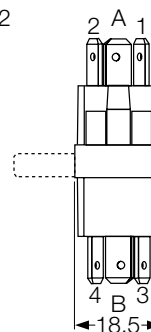
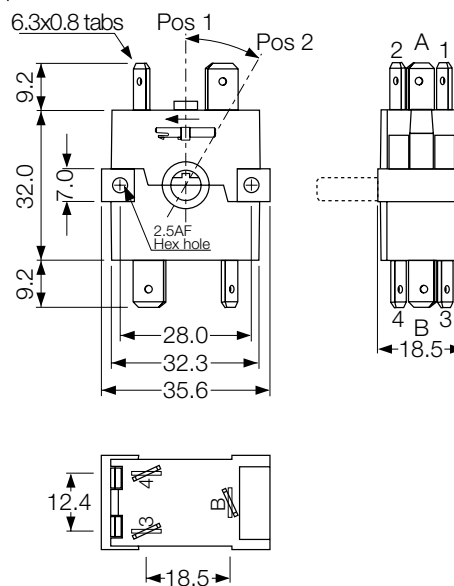
Custom spindles of any length, with or without a "D" flat, can be produced from our infinitely variable tooling. The flat can be at any angle.

For all options call sales.

DIMENSIONS (mm)



Spindle Movement 360° in 30° intervals



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

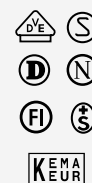
Colours and voltages:

-  **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

- ▶ 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

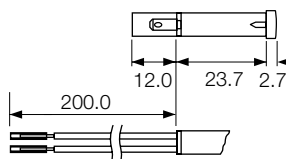
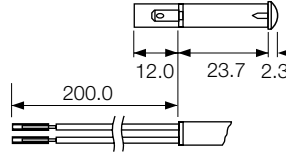
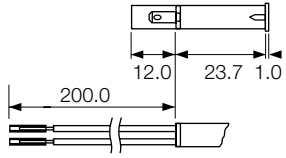
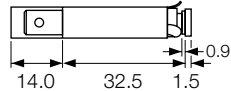
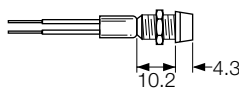
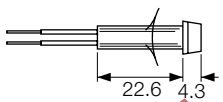


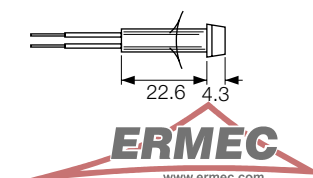
UL file E63363
CSA file 1279633 / LR29381 ①

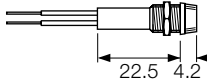
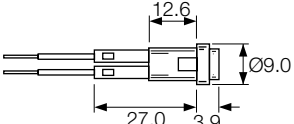
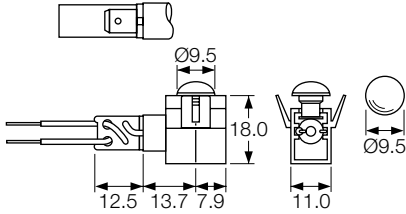
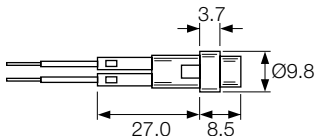
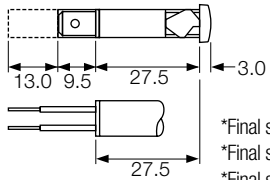
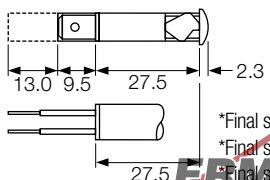
Approvals shown for neon versions only

RoHS

RoHS compliant

TERM	TYPE	PANEL & °C	ILLUMINATION OPTIONS	DIMENSIONS (mm)
B 2.8 L	(C) 0566 A  	 6.0  2.0max  page 6	  	  Ø7.0
B 2.8 L	(C) 0566 B  	 6.0  2.0max  page 6	  	  Ø7.0
B 2.8 L	(C) 0566 C  	 6.0  2.0max  page 6	  	  Ø7.0
C 6.3 L	(C) 0145 AA  	 5.8  3.0max  page 6	   	  Ø6.7
L W	(L) 1041 00 Chrome bezel  	 6.3  6.3max  page 6	 	  Ø7.6
L W	(L) 1045 00 Chrome bezel available  	 6.3  10.0max  page 6	   	  Ø7.6



TERM	TYPE	PANEL & °C	ILLUMINATION OPTIONS	DIMENSIONS (mm)
L W	(L) 0245 00 Chrome bezel available  S D N H \$ 	7.1 6.3max  page 6	   	 
L	L 2950 00 Chrome bezel available  S D N H \$ 	8.0 0.8-1.6  page 6	   	 
L C 6.3	(L) 0195 BB   S D N H 	8.0 0.8-3.0  page 6	 	 
L	L 2951 00 Chrome bezel  S D N H 	8.0 0.8-1.6  page 6	   	 
L H 4.8	(H) 0568 A(*) Deep lens profile    (VDE at T100)	8.0 0.8-3.5  page 6	  	  *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	  	  *Final suffix (X) - Long barrier *Final suffix (Y) - Short barrier *Final suffix (W) - For Wires  www.ermec.com

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.
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110-230V ac operation.
-  **Filament lamp** Available with Red, Amber, Green, Clear or Blue lenses
6V, 12/14V, 24/28V.

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- ▶ Neon, LED, mains LED or filament lamp
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- ▶ Red, yellow, green, blue and white LEDs
- ▶ Wide choice of styles



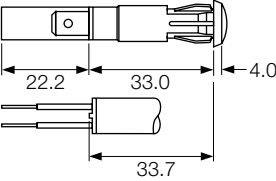
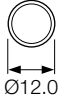
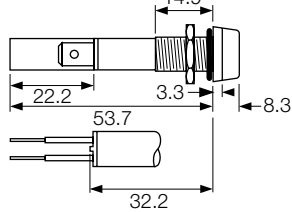
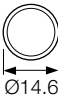
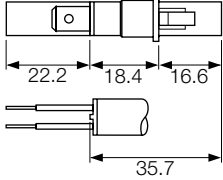
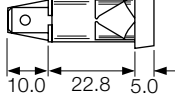
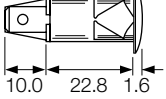
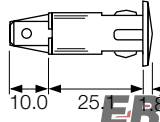
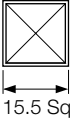
UL file E63363
CSA file 1279633 / LR29381 ®

Approvals shown for neon versions only



RoHS compliant

TERM	TYPE	PANEL & °C	ILLUMINATION OPTIONS	DIMENSIONS (mm)
L	(L) 0569 AW	9.0 0.8-2.5 Call sales	DC AC	19.0 23.0 8.5 max 3.0 12.0 Ø10.0
L	(C) 0273 00	9.0 2.0 max page 6	DC AC	22.2 32.8 3.1 33.5 Ø12.2
K 2.8				
H 4.8				
C 6.3				
L	(C) 0278 00	9.0 2.0 max page 6	DC AC	22.3 23.5 3.5 23.5 12.0 Sq. Ø12.0
K 2.8				
H 4.8				
C 6.3				
L	(C) 0276 AA	9.5 0.8-2.8 page 6	DC AC	22.2 33.0 4.0 33.7 Ø12.0
K 2.8				
H 4.8				
C 6.3				
L	(C) 0275 00	10.0 12.0 max page 6	DC AC	16.0 22.2 32.5 3.0 32.7 Ø13.3
K 2.8				
H 4.8				
C 6.3				
L	(C) 0275 00 Chrome bezel	10.0 11.5 max page 6	DC AC	16.0 22.2 32.0 32.5 3.5 3.0 32.7 Ø13.3 Ø15.6
K 2.8				
H 4.8				
C 6.3				

TERM	TYPE	PANEL & °C	ILLUMINATION OPTIONS	DIMENSIONS (mm)
L K 2.8 H 4.8 C 6.3	(C) 0276 00  	 10.0  2.8 max  page 6	  	  Ø12.0
L K 2.8 H 4.8 C 6.3	(C) 0277 00 Chrome bezel  	 10.0  12.0 max  page 6	  	  Ø14.6
L K 2.8 H 4.8 C 6.3	(C) 0273 LL  	 10.0  0.6-2.0  page 6	  	For sub-panel mounting, behind a facia.   Ø8.8
L K 2.8 H 4.8 C 6.3	(C) 2820 00  	 12.0  0.75-2.0  page 6	  	  Ø13.6
L K 2.8 H 4.8 C 6.3	(C) 2821 00  	 12.0 or 12.7  Ø12.0 = 0.8-2.5 Ø12.7 = 1.1-2.5  page 6	  	  Ø14.5
L K 2.8 H 4.8 C 6.3	(C) 0586 00  	 12.5  0.8-1.5  page 6	  	  15.5 Sq

Colours and voltages:

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-  **LED - DC** Red, Yellow, Green, Blue, White 2.0/2.2V Resistors for other voltages available.
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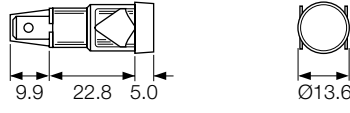
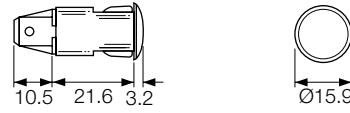
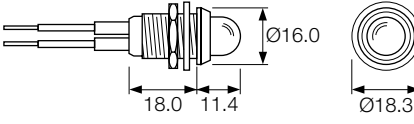
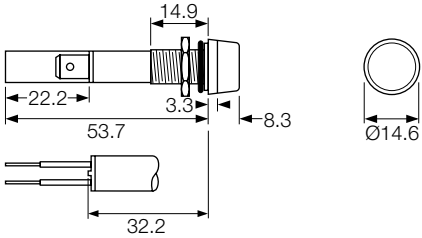
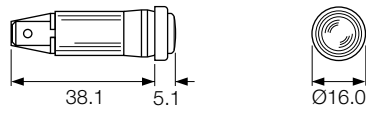
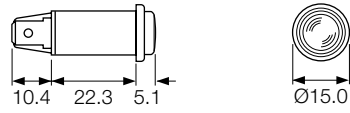
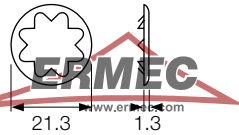


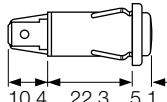
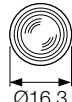
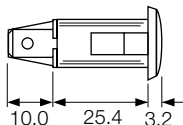
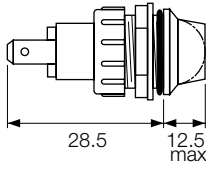
UL file E63363
CSA file 1317844 / 1279633 ①

Approvals shown for neon versions only



RoHS compliant

TERM	TYPE	PANEL & °C	ILLUMINATION OPTIONS	DIMENSIONS (mm)
L K 2.8 H 4.8 C 6.3	(C) 2870 00 	12.7 0.75-2.0 page 6	   	
L K 2.8 H 4.8 C 6.3	(C) 0589 00 	12.7 0.8-1.5 page 6	  	
L K 2.8 H 4.8 C 6.3	L 0081 00 Chrome bezel 	12.7 9.5 page 6	   	
L K 2.8 H 4.8 C 6.3	(C) 0177 00 Chrome bezel 	12.7 12.0max page 6	   	
L K 2.8 H 4.8 C 6.3	(C) 0067 00 Chrome bezel 	12.7 1.14max page 6	   	
L C 6.3	(C) 0180AA 	12.7 19.0max page 6	  	 

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 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.

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UL file E63363
CSA file 1317844 / 1279633 ①

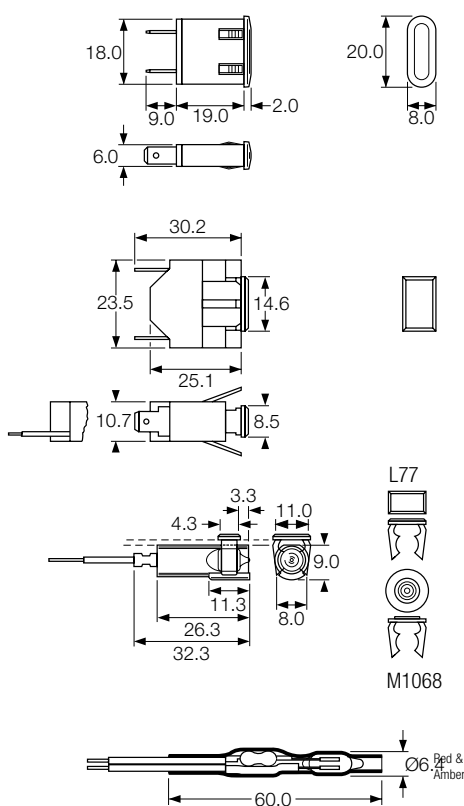
Approvals shown for neon versions only



RoHS compliant

▶ 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) 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 	 9.27/9.50 x 4.75*  0.71-1.62  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

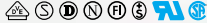
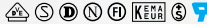
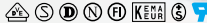
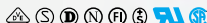


UL file E63363
CSA file LR29381

Approvals shown for neon versions only



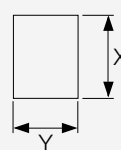
RoHS compliant

TERM	TYPE
H 4.8	H8580 AB  
H 4.8	H8630 FB  
T	
X	
H 4.8	R9 92B  Approvals details - contact sales
C 6.3	C0430 A C6030 AL   6030 - L body & C terminals only
H 4.8	
K 2.8	
T	
C 6.3	C0480 A  
H 4.8	
K 2.8	
T	
C 6.3	C7030 AH  
H 4.8	

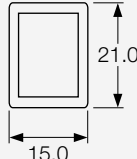
Full product details on pages 14-15

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

Cut-out



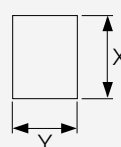
Flange



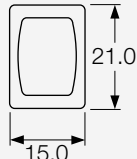
Full product details on pages 16-17

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

Cut-out



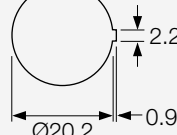
Flange



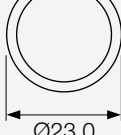
Full product details on pages 34

Snap fixing in panels thickness up to 3.0

Cut-out



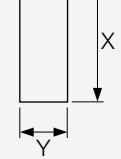
Flange



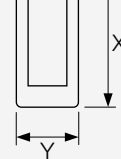
Full product details on pages 20-21 & 24-25

Body Code	Cut-out Y	Cut-out X	Flange Y	Flange 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

Cut-out



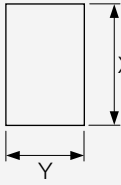
Flange



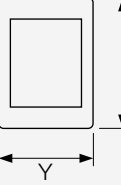
Full product details on pages 28-29

Body Code	Cut-out Y	Cut-out X	Flange Y	Flange 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

Cut-out



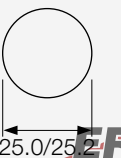
Flange



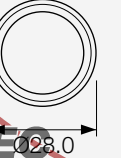
Full product details on pages 44-45

Body Code	Cut-out	Flange
H	Ø25.0/25.2	Ø28.0

Cut-out



Flange



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.

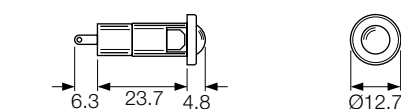
- ▶ Up to 50V
- ▶ Red, Amber, Green, Blue and Clear
- ▶ Linestra/Philinea lamp holder

RoHS

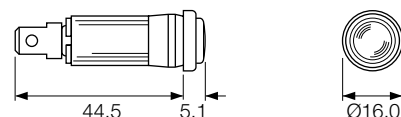
RoHS compliant

▶ TERM	▶ TYPE	▶ PANEL & °C
T 	T0061 AO (LES) 	 9.5  0.9-1.14  T85
C 6.3 	C0067 00 (BA7s) Chrome bezel 	 12.7  1.14max  T85
T 	T0062 AO (Midget flange) Chrome bezel 	 12.7  9.6max  T85
T 	T0063 AO (LES) Chrome bezel 	 12.7  9.6max  T85
T 	T0062 MO (Midget flange) 	 12.7  9.6max  T85
S 	S0095 00 	 T85

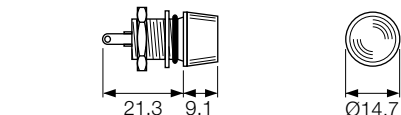
DIMENSIONS (mm)



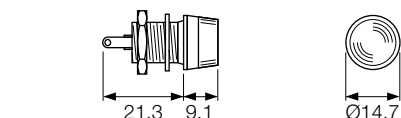
Rear of panel bulb replacement



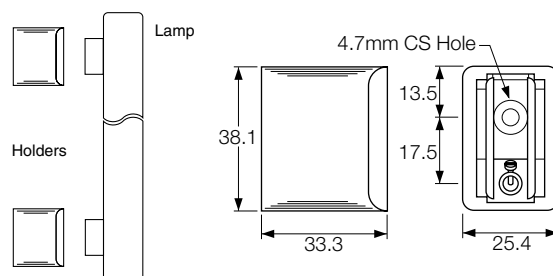
Rear of panel bulb replacement



Front of panel bulb replacement



Front of panel bulb replacement



Paired Architectural lampholders for Linestra or Philinea lamp.



www.ermec.com



C1090FP - - -

C 1090 F A - - -

TERMINAL LAMP CAP LENS BODY VOLTAGE, COLOUR, ETC

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

RoHS

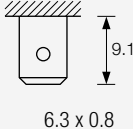
RoHS compliant

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

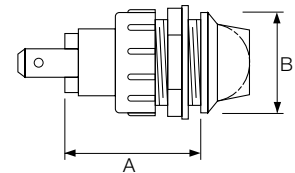
Colours - Red, Amber, Green, (Clear & Blue, check availability). Brass bodies have polished chrome finish.

For Neon & Mains versions see page 75

For Sealed version see page 84

▶ TERMINAL	▶ LAMP CAP	▶ LENS	▶ THREADED BODY																																																												
C 	1090 MES (E10)  1091 MBC (BA9s) 	F Flat  V Domed  L No lens	1090 (MES lamps) <table><tr><th></th><th>Panel Hole Dia.</th><th>Body Material</th><th>Dim. A</th><th>Dim. B</th></tr><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</td><td>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</td><td>22.8</td></tr><tr><td>L</td><td>25.4</td><td>Brass</td><td>26.0</td><td>31.5</td></tr></table> 1091 (MBC lamps) <table><tr><th></th><th>Panel Hole Dia.</th><th>Body Material</th><th>Dim. A</th><th>Dim. B</th></tr><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></table> Panel thickness 5.0, except A type body 10.0		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	22.8	G	19.0	Brass	24.6	22.0	H	19.0	Nylon with chrome bezel	24.6	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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A	19.0	Brass	35.0	22.0																																																											
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DIMENSIONS mm



OPTIONS

F0445 M0

P.V.C. Insulating terminal cover.



LED Lamps and LED Lampholders

ermec@ermec.com

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.

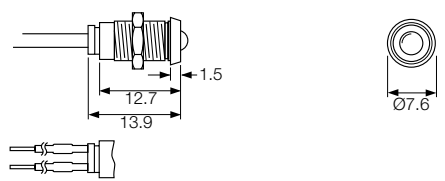
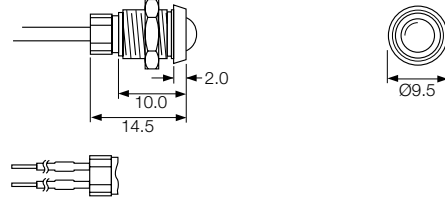
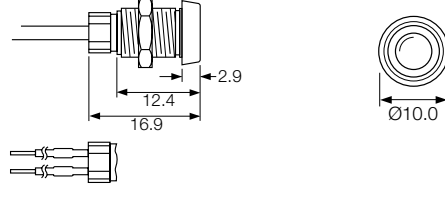
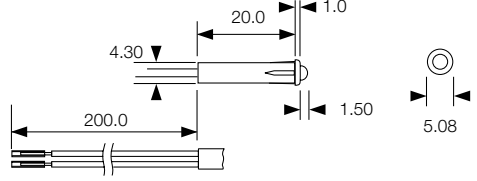
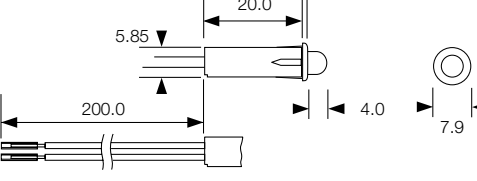
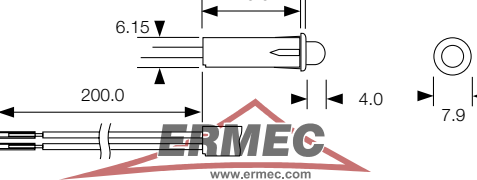
- ▶ LED lampholders
- ▶ Supplied with or without LEDs
- ▶ Black or Chrome finish

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	DIMENSIONS (mm)
W LED fitted A LED not fitted 	(W) 1047 00  3mm LED	 6.3  6.3max  T85	
W LED fitted A LED not fitted 	(L) 1048 00  5mm LED	 8.0  5.5max  T85	
W LED fitted A LED not fitted 	(W) 1050 00  5mm LED with focusing reflector	 8.0  7.0max  T85	
W LED fitted 	(L) 1035 0A 	 4.5  0.9-1.6  T85	
W LED fitted 	(L) 1036 0A 	 6.0  0.9-1.6  T85	
W LED fitted 	(L) 1037 0A 	 6.35  0.9-1.6  T85	

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



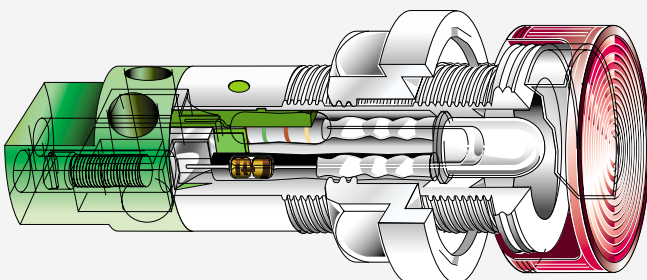
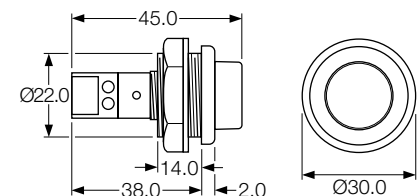
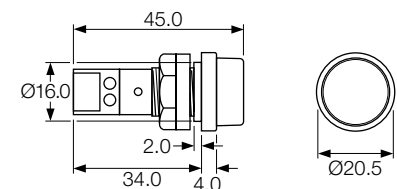
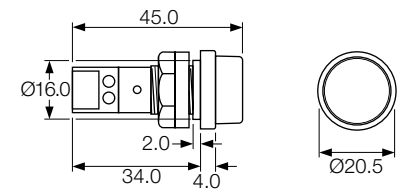
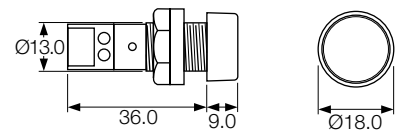
Approval shown for neon versions only



RoHS compliant

TERM	TYPE	PANEL & °C
Recessed Screw 	3130 No bezel 	 T120 neon T50 LED
Recessed Screw 	3160 Black bezel 	 T120 neon T50 LED
Recessed Screw 	3161 Satin chrome style bezel 	 T55 neon T50 LED
Recessed Screw 	3221 Large black bezel 	 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.



Indicator Lights - Sealed to IP67

ermec@ermec.com

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:

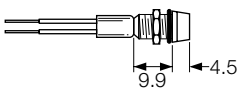
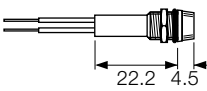
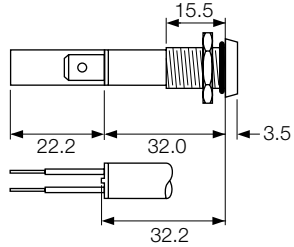
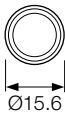
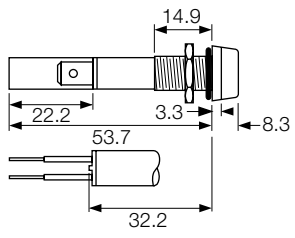
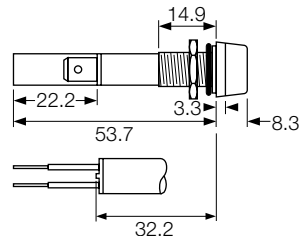
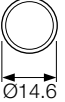
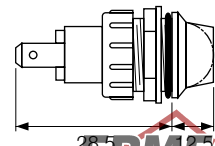
Refer to the 2 columns below (terminal and type), then state: Lens colour, voltage and whether neon, LED or filament lamp

- ▶ 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		 

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.

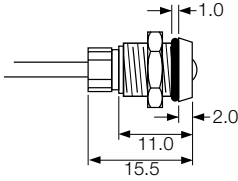
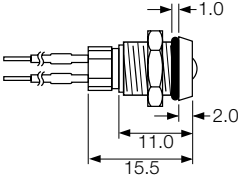
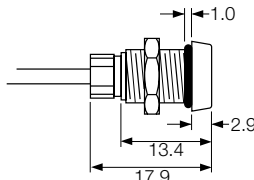
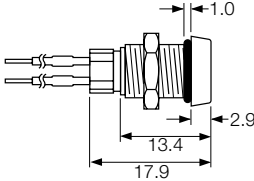
To create a catalogue number:

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			Ø 9.5
A LED not fitted					
L 	L 1048 0A Designed to IP67 	 8.0  5.5max  T85			Ø 9.5
W LED fitted 	(W) 1050 0A Designed to IP67 	 8.0  7.0max  T85			Ø 10.0
A LED not fitted					
L 	L 1050 0A Designed to IP67 	 8.0  7.0max  T85			Ø 10.0
L LED & Wires fitted					

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.

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.

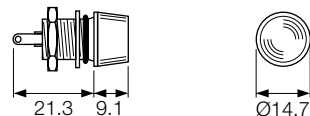
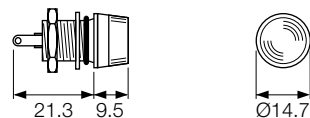
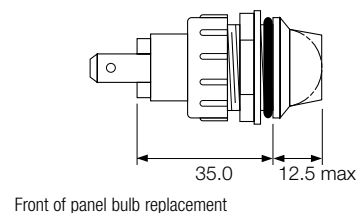
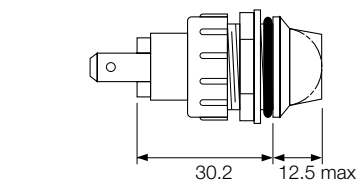
- ▶ IP67 Panel seal
- ▶ Supplied complete with gaskets/'O' rings
- ▶ Up to 50V
- ▶ Red, Amber, Green, Blue and Clear
- ▶ LES, Midget Flange, MES & MBC bulb

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	
	T0063 MOS (LES) 		

DIMENSIONS (mm)



F0445 M0

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

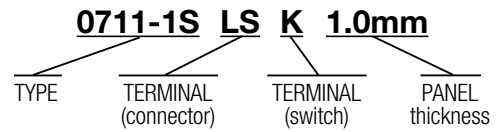
RoHS

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 N 4.0 Solder Q 4.8 Tab W 6.3 Tab	 15A 250Vac 10A 250Vac	 20.6
0708-1-C Outlet	N 4.0 Solder Q 4.8 Tab W 6.3 Tab P PCB	 15A 250Vac 10A 250Vac	 25.0
0709-P Outlet	L 4.0 Solder Q 4.8 Tab	 15A 250Vac	 24.0
0710-P Outlet	V12 Solid Wire V16 Solid Wire	 15A 250Vac	 30.5
0711-P (2k min order) Inlet	S 2.5 Solder N 4.0 Solder Q 4.8 Tab W 6.3 Tab	 15A 250Vac 10A 250Vac	 20.8

0710-PV16 is 13A 250Vac. **0710-PV12** is 15A 250Vac

Rating/approval details on request

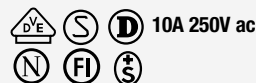


www.ermec.com

0717-1S Q T 1.0mm

TYPE TERMINAL (connector) TERMINAL (switch) PANEL thickness

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



UL CSA 10A 250V ac UL 65°C

RoHS

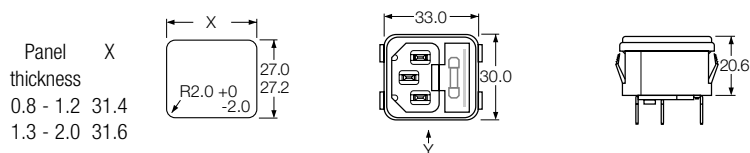
RoHS compliant

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
0717-1-P Fused Inlet 5x20	S 2.5 Solder LS 2.8 Solder Q 4.8 Tab W 6.3 Tab
0717-1S State "Non Lit" Switched Fused Inlet 5x20	Q 4.8 Solder Connector T 4.8 Solder Switch
0717-1S State "Lit" Switched Fused Inlet 5x20	Q 4.8 Solder Connector T 4.8 Solder Switch
0717-C Fused Inlet 5x20	S 2.5 Solder LS 2.8 Solder Q 4.8 Tab W 6.3 Tab
0717-2-C (2k min order) Double Fused Inlet 5x20	S 2.5 Solder LS 2.8 Solder Q 4.8 Tab W 6.3 Tab
0717-2-P (2k min order) Double Fused Inlet 5x20	S 2.5 Solder LS 2.8 Solder Q 4.8 Tab W 6.3 Tab

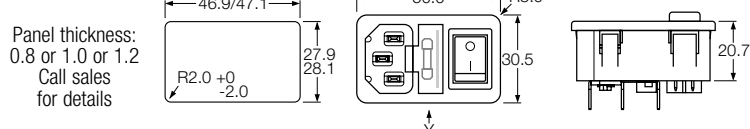
DIMENSIONS (mm)

View below is at Y



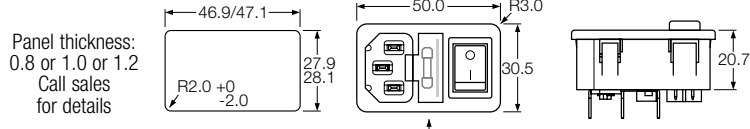
10A 250Vac

DP non-illuminated switch is standard

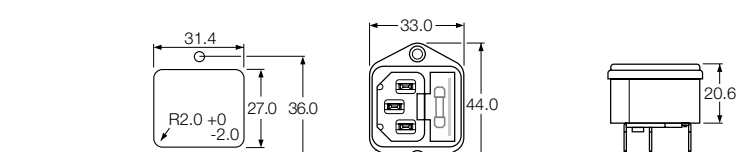


10A 250Vac

DP illuminated switch is standard

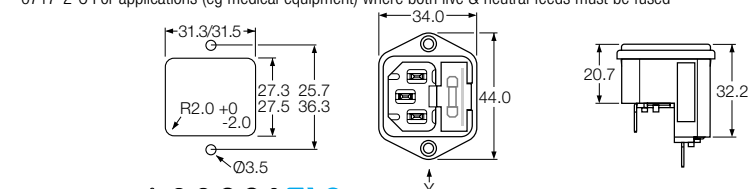


10A 250Vac



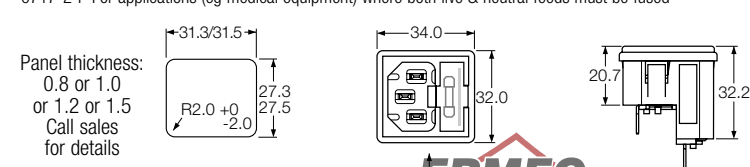
10A 250Vac

0717-2-C For applications (eg medical equipment) where both live & neutral feeds must be fused



10A 250Vac

0717-2-P For applications (eg medical equipment) where both live & neutral feeds must be fused



10A 250Vac

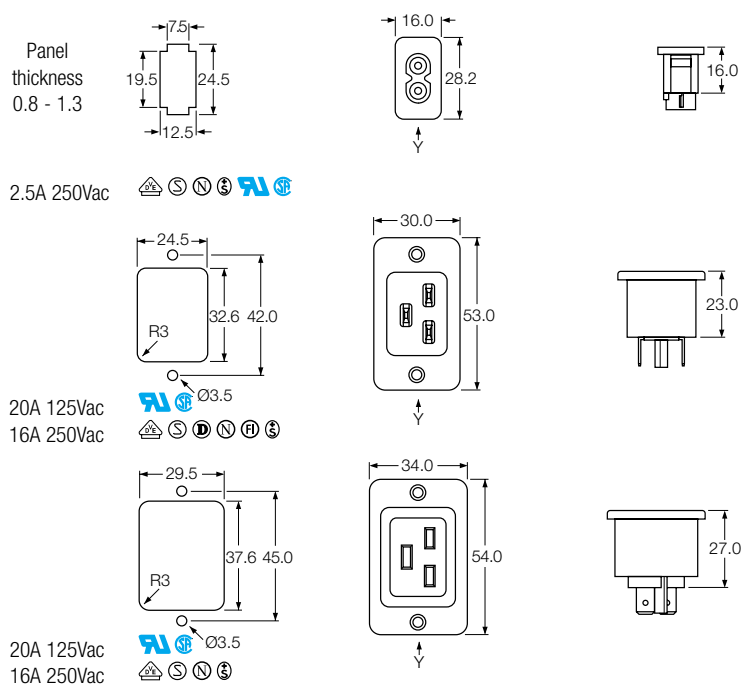
ERMEC
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TYPE	TERMINAL
0721-P (2k min order)  Inlet	S Solder 
0722-C (2k min order)  Inlet	Q 4.8 Solder  W 6.3 Tab 
0723-C (2k min order)  Outlet	Q 4.8 Solder  W 6.3 Tab 

DIMENSIONS (mm)

View below is at Y



Technical data

Mouldings V2 (V0 option)

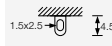
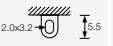
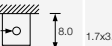
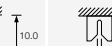
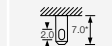
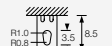
Connectors Tin plated solid brass

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
											

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

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.

T 0332 RA ---
TERMINAL BODY & CAP PANEL HOLE OPTIONS



M520
Terminal Cover

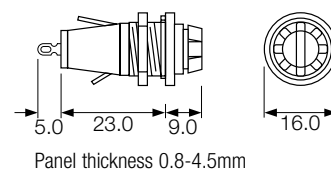


A0033 00
In-line 5 x 20 fuseholder
Call factory for rating details

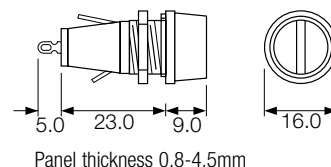
▶ TERMINAL	▶ BODY AND CAP	▶ PANEL HOLE
T Solder	0332 Finger release 	RA
B 	0333 Tool release 	RD
	0340 Tool release 	RD
	0341 Tool release 	RD

DIMENSIONS (mm)

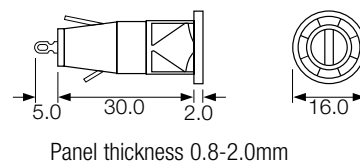
0332 (T terminal shown)



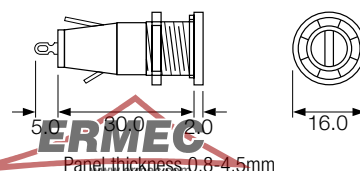
0333 (T terminal shown)



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



T 0347 RA ---

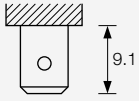
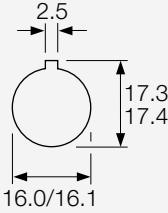
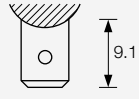
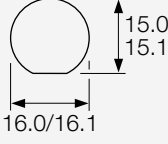
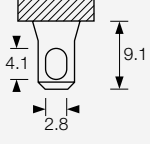
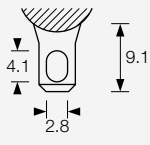
TERMINAL BODY & CAP PANEL HOLE OPTIONS



M873
Cover for C & T terminals

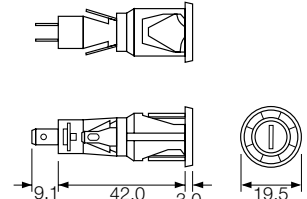


A0035 00
In-line 6.3 x 32 (1 1/4 x 1/4) fuseholder
Call factory for rating details

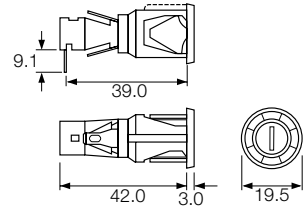
▶ TERMINAL	▶ BODY AND CAP	▶ PANEL HOLE
C  6.3 x 0.8	0345 (C terminal shown)  	RA  Panel thickness 0.8 - 2.0mm for snap-in 0.8 - 7.0mm for nut fixing
D  6.3 x 0.8 Right angle	0345 (D terminal shown)  	RD  Panel thickness 0.8 - 2.0mm for snap-in 0.8 - 7.0mm for nut fixing
T  4.8 x 0.8 Solder	0347 (T terminal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

DIMENSIONS (mm)

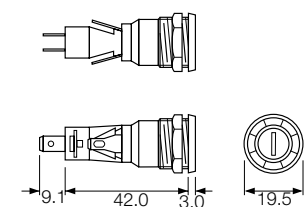
0345 (C terminal shown)



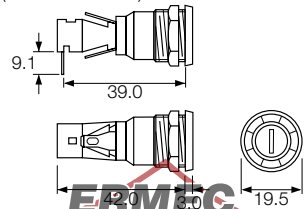
0345 (D terminal shown)



0347 (C terminal shown)



0347 (D terminal shown)



Optional metal fixing nut available for 0347

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