

Belling-Lee

Terminals
Barrier terminal blocks
Flexible terminal blocks
Knobs

Dimensions (unless otherwise stated)

Panel cut-out minima, normal tolerance + 0.005 inch 0.013 mm.

Overall sizes and fixing centres nominal.

First dimension is design dimension.

Second is the nearest imperial or metric equivalent.

Current ratings / Temperature rise

Where stated, the temperature rise figure given
is above ambient (20 °C).

All photographs are shown
actual size unless
otherwise stated.

IMPORTANT NOTE

European Community Council Directive on low
voltage electrical equipment.

Health & Safety at Work Act October 1974.

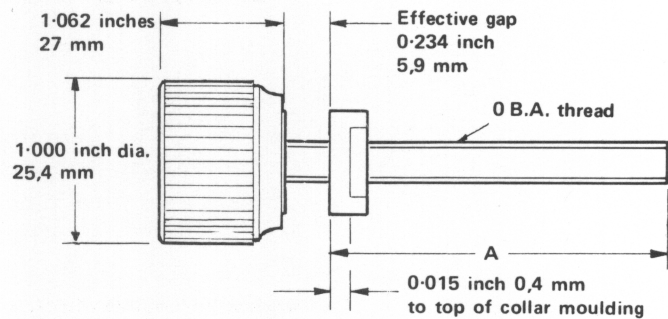
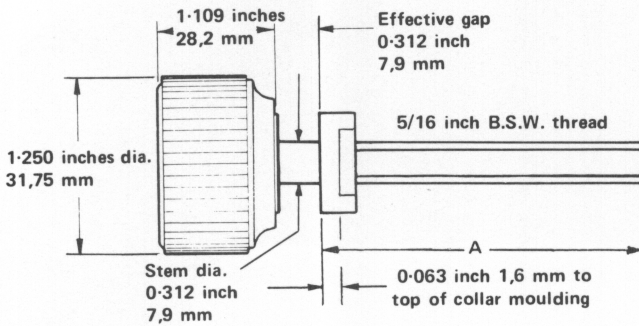
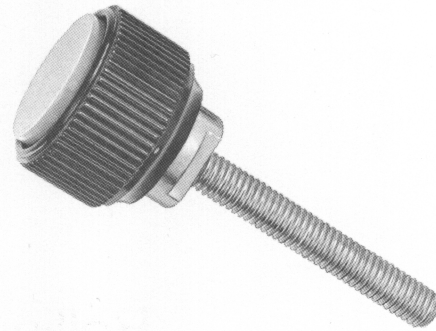
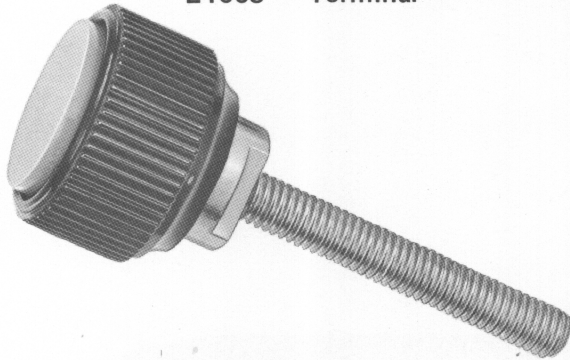
Consumer Protection Act (The Electrical
Equipment Safety Regulation 1975 effective
1st April 1976).

If you have reason to believe your products are
covered by the above legislation please contact
our Technical Advisory Service who will be pleased
to advise you concerning the suitability of our
products in your applications.

Telephone 01-363 5393 and ask for Components
Division Technical Sales.

L1005 Terminal

L309 Terminal



List Number	Dim A inches mm	Panel fittings	Fixing Kit
L1005/1	2-093 53,2	H	*

* Incorporated in Panel fittings

List Number	Dim A inches mm	Panel fittings	Fixing Kit
L309/1	1-799 45,7	F	*

* Incorporated in Panel fittings

The head has a non-rotating disc for lettered indications if required.
The clamping gap is free from threads.

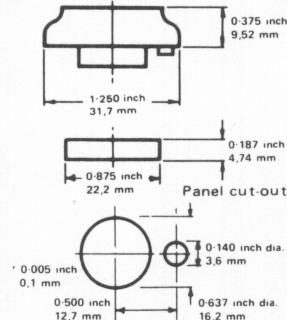
Current rating: 100 A
Temperature limit: 85 °C (Ambient)
Insulators: Head — phenolic resin
 Disc — tenite butyrate (see colours below)
Finish: Brass parts — nickel-plated
Colours (head disc): Black, red
Weight (average): 59,9 g 2-11 oz

This terminal has a non-rotating disc in the head, suitable for lettering.

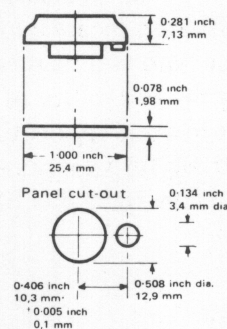
Current rating: 30 A
Insulators: Head moulding — phenolic resin
 Disc — tenite butyrate (see colours below)
Finish: Brass parts — nickel-plated
Weight (average): 25,5 g 0-90 oz
Colours (head disc): Black and red

Panel fittings (Black)

Ref : H
 Comprises
 Phenolic resin moulding
 Micanite insulating washer
 Metal washer
 2 Locknuts



Ref : F
 Comprises
 Phenolic resin moulding
 S.R.B.P. insulating washer
 Metal washer
 2 Locknuts



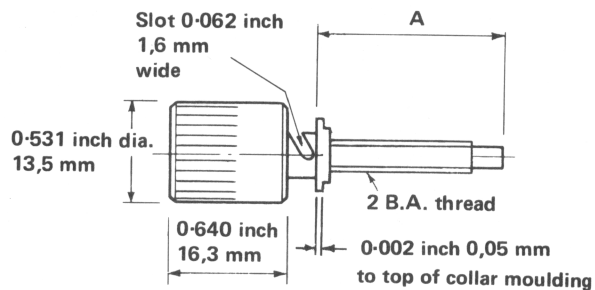
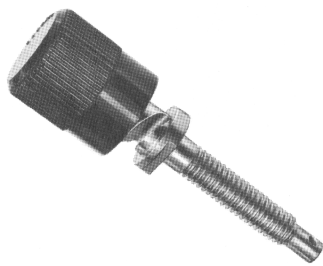
Ordering Information

Terminals and panel fittings are supplied unassembled and must be ordered as individual items, e.g.
 20 off terminal (e.g L309/1/Black)
 20 off panel fittings (e.g F)

Performance

Breakdown (k V d.c.)	> 4	> 3
Ins. Res. (megohms)	≥ 10 ³	≥ 10 x 10 ³
Panel thickness	0-064 - 0-938 inch 1,6 - 23,8 mm	0-064 - 0-938 inch 1,6 - 23,8 mm
Temperature range (Ambient)	to + 85 °C	to + 85 °C
Fixing torque	400-500 ozf in 2,8-3,5 N m	300-400 ozf in 2,1-2,8 N m

L1301 Pattern 1 terminal, panel sealed



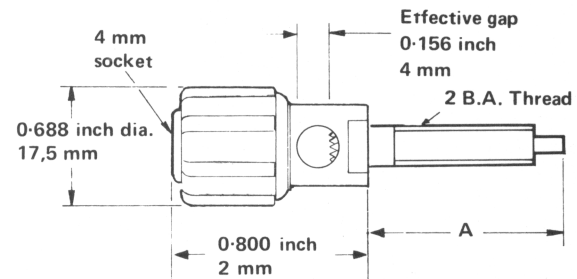
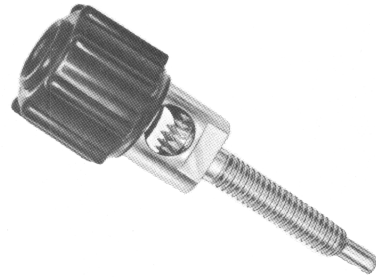
List Number	Dim A inches mm	Panel fittings	Fixing Kit
L1301/1	1.076 27,3	01	*

* Incorporated in Panel fittings

This slotted terminal has received qualification approval for Services' use. It is panel sealed.

Specification:	DEF-5335
Current rating:	10 A
Leakage:	≤ 1 cc/h @ 20 lbf/in ² 138 kPa
Humidity:	H1
Wire size (maximum):	0.060 inch 1,5 mm diameter
Insulator (head):	Phenolic resin Brass parts nickel-plated, solder spill tin-dipped
Weight (average):	12,0 g 0.42 oz
Colour:	Black

L1361 Pattern 3 terminal, panel sealed



List Number	Dim A inches mm	Panel fittings	Fixing Kit
L1361/1	1.009 25,63	02	*

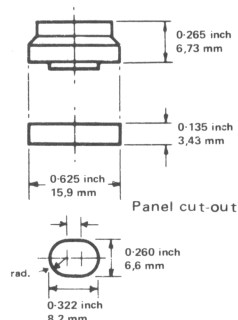
* Incorporated in Panel fittings

This terminal has received qualification approval for Services' use. It has a 4 mm socket in the head, and a large clamping gap with unique pyramid shaped teeth for piercing the wire insulant. This obviates the need for wire stripping, and it will accommodate even a single 40 s.w.g. (0.122 mm) conductor without fracturing it.

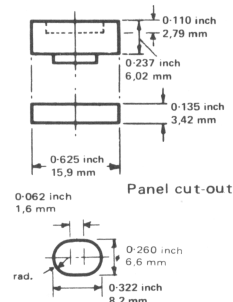
Specification:	DEF - 5335
Current rating: (Services)	10 A
Leakage:	≤ 1cc/h @ 20 lbf/in ² 138 kPa
Humidity:	H1
Wire size (maximum):	0.156 inch 4 mm
Insulator (head):	Polypropylene Brass parts nickel-plated, solder post tin-dipped
Finish:	Black
Weight (average):	11,8 g 0.42 oz
Colour:	Black

Panel fittings (Black)

Ref : 01
Comprises
2 Phenolic resin mouldings
2 Sealing rings
Metal washer
2 Locknuts



Ref : 02
Comprises
2 Phenolic resin mouldings
2 Sealing rings
Metal washer
Solder tag
2 Locknuts



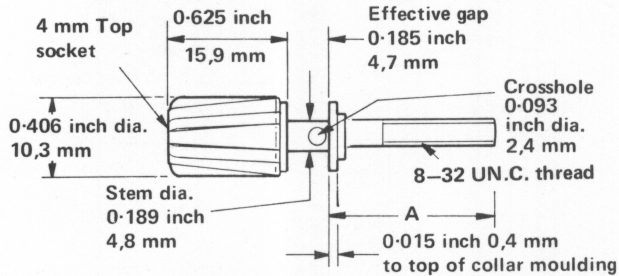
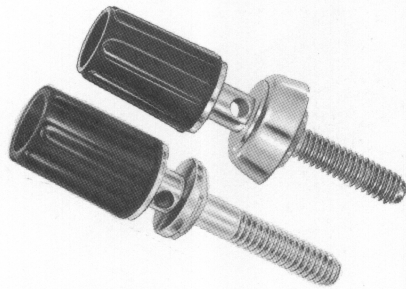
Performance

Breakdown (kVd.c.)	> 2	> 3
Ins. res. (megohms)	≥ 500	≥ 500
Panel thickness	0.156 inch max. 3,4 mm	0.219 inch max. 5,6 mm
Temp. range	to + 85 °C (Ambient)	- 40 to + 70 °C (Ambient)
Fixing torque	80 ozf in 0,565 N m	200 ozf in 1,41 N m
Clamping torque	160 ozf in 1,13 N m	160 ozf in 1,13 N m

Ordering Information

Terminals and panel fittings are supplied unassembled and must be ordered as in individual items. e.g.
20 off terminal
(e.g L1301/1/Black)
20 off panel fitting (e.g 01)

L1568 Series terminals



List Number	Dim. A inch mm	Panel Fittings	Fixing Kit
L1568/1	0-875 22,2	B, CA, L, U, 2B	2
L1568/1E	0-875 22,2	0 6	*

*Incorporated in Panel Fittings

These attractively styled terminals have a slim fluted head which has a 4 mm socket in the top for a wander plug or test probe. A 2,4 mm crosshole is provided in the clamping gap which is free from threads.

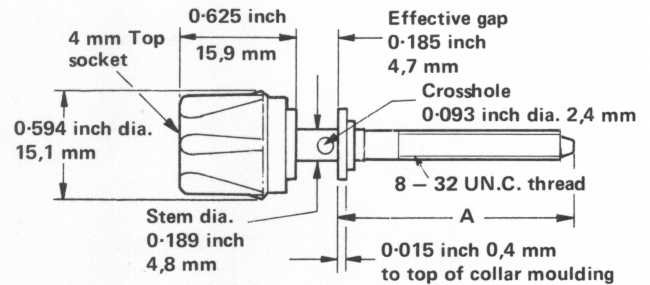
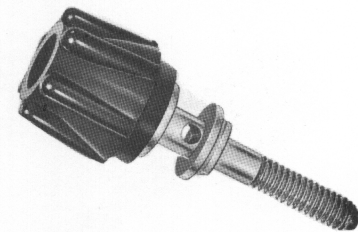
Current rating: 15 A
Insulator (head): Polypropylene
Finish: Stem: nuts, metal washer, nickel plated. Solder tag: hot tin-dipped.
Colours (head): Black, red, green, grey
Weight (average): 6,5 g 0-23 oz

L1568/1E Earth terminal

In addition to the 4 mm socket in the head and 2,4 mm crosshole in the stem, this terminal has a serrated metal collar which provides suitable contact with the panel or chassis.

Colour (head): Black
Weight (average): 10,1 g 0-36 oz

L1499 Series terminals



List Number	Dim. A inches mm	Panel Fittings	Fixing Kit
L1499/0	0-875 22,2	B, CA, L, U, 2B	2
L1499/1	1-250 31,8	B, CA, L, U, 2B, 2L, 31A	2

Similar to L1568, but fitted with a larger head.

Colours (head): Black, red
Weights (average): L1499/0 7,93 g 0-28 oz
L1499/1 8,60 g 0-38 oz

Ordering Information

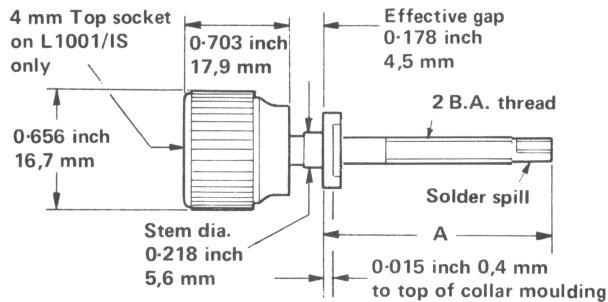
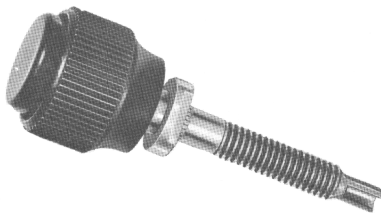
Terminals, panel fittings and fixing kits are supplied unassembled and must be ordered as individual items.

e.g. 20 off terminal (e.g. L1001/1/Black)
20 off panel fitting (e.g. B)
20 off fixing kit (e.g. 3)
(where fixing kits are specified)

Panel fittings (Black)

Ref: 06 Comprises 2 Metal washers Solder tag 2 Locknuts (No. 8-32 UN.C.)	Ref: B Comprises Phenolic resin moulding S.R.B.P. insulating washer	Ref: CA Comprises Phenolic resin moulding 2 S.R.B.P. insulating washers	Ref: L Comprises Phenolic resin moulding 2 S.R.B.P. insulating washers	Ref: U Comprises Phenolic resin moulding S.R.B.P. insulating washer	Ref: 2B Comprises 2 Phenolic resin mouldings
Performance					
Breakdown (k V.d.c.)	3	3	3	3	7
Ins. Res. (megohms)	10×10^3	10×10^3	60×10^3	10×10^3	10×10^3
Panel Thickness					0-036 - 0-064 inch 0,9 - 1,6 mm
Temp. range (Ambient)	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C	-40 to +80 °C	-40 to +85 °C
Fixing Torque	200 ozf in 1,41 N m	200 ozf in 1,41 N m	200 ozf in 1,41 N m	200 ozf in 1,41 N m	200 ozf in 1,41 N m

L1001 Series terminals



List Number	Dim. A inches mm	Panel Fittings	Fixing Kit
L 1001/1 L 1001/IS	1.188 30,1	B, CA, L, U, 01, 2B, 2L, 31A	3

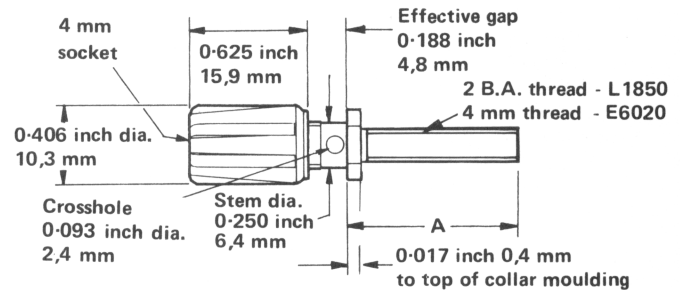
The clamping gap is free from threads, and the central disc of the terminal head does not rotate, so (except type L1001/IS) is ideal for lettering to indicate the circuit function. Type L1001/IS has a socket in the top for a 4 mm wander plug or test probe.

We hold many standard hot printing dies and can meet most customers' lettering requirements promptly, although for very small quantities it may be cheaper to have the heads engraved.

When used with fittings REF 01, these terminals are panel sealed.

Current rating: 15 A
Finish: Brass parts: nickel-plated
 Solder spill: tin dipped
Insulators (head): Nut — phenolic resin
 Disc — tenite butyrate
Colours (head disc): Black, red
Weights (average): L1001/I 10,4 g 0.37 oz
 L1001/IS 9,25 g 0.33 oz

L1850 Terminal E6020 4 mm continental style terminal



List Number	Dim. A inch mm	Panel Fittings	Fixing Kit
L 1850/1 E 6020/1	0.906 23 0.781 19,8	08, 11 09	* *

* Incorporated in Panel Fittings

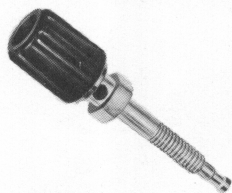
The E6020 is designed to meet the requirements of the European market. It has a 4 mm thread on the stem, which has a 2,4 mm crosshole and a socket in the Head to suit a 4 mm plug.

The slim fluted head of the L1850 has a 4 mm socket and is similar in style to the L1568 series.
 A 2,4 mm crosshole is provided in the clamping gap.

Current rating: 15 A
Humidity: H5 (DEF — 5011)
Insulator (head): Polypropylene
Finish: Brass parts, nickel-plated
Weight (average): L1850 6,0 g 0.21 oz
 E6020 5,3 g 0.19 oz
Colours (head): Black, blue, green, red, white and yellow.

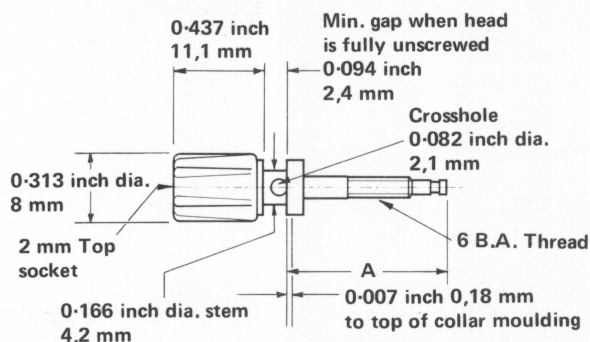
Fixing kits	Panel fittings (Black)				
Kit 2 Washer Solder tag 2 lock nuts (No. 8 - 32 UN.C.)	Ref: 2L Comprises: 2 phenolic resin mouldings	Ref: 31A Comprises: 2 polyethylene-polypropylene co-polymer mouldings	Ref: 08 Comprises: Shakeproof washer 2 locknuts	Ref: 09 Comprises: 2 phenolic resin mouldings 2 locknuts	Ref: 11 Comprises: 2 polypropylene mouldings 2 locknuts
Kit 3 Metal washer Non-rotating washer 2 lock nuts (2 B.A.)					
Performance					
Breakdown (kV d.c.)	8	8		> 5	> 5
Ins. Res. (megohms)	20 x 10 ³	20 x 10 ⁶		> 20 x 10 ³	> 20 x 10 ³
Panel Thickness	0.036 - 0.188 inch 0.9 - 4.8 mm	0.036 - 0.125 inch 0.9 - 3.2 mm	0.055 - 0.5 inch 1.4 - 12.7 mm	0.062 inch max 1.6 mm	0.125 inch max 3.2 mm
Temp. range (Ambient)	-40 to +85 °C	-40 to +100 °C		-40 to +85 °C	-40 to +70 °C
Fixing Torque	200 ozf in 1,41 N m	200 ozf in 1,41 N m	200 ozf in 1,41 N m	200 ozf in 1,41 N m	

L1726 Miniature terminal



List Number	Dim A inches mm	Panel fittings	Fixing Kit
L1726/1	0.812 20,6	04	*
L1726AJ/1	0.812 20,6	04	*

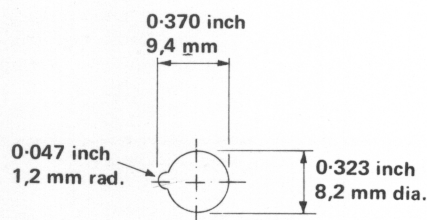
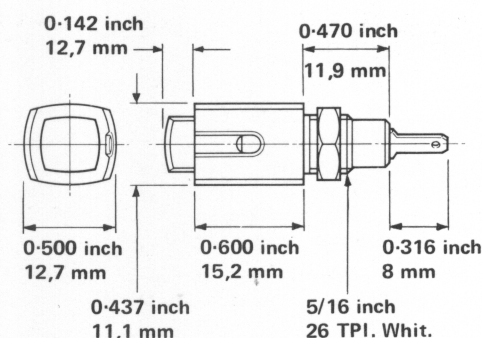
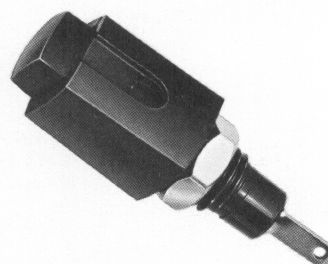
* Incorporated in Panel Fittings.



A miniature terminal designed as part of a range of 2 mm terminals, stacking plugs and sockets (see orange section of catalogue). Attractively styled with a fluted head which has a 2 mm resilient socket (L1726/1) or 2 mm non resilient socket (L1726AJ/1) for a wander plug or test probe. The clamping gap is free from threads and has a crosshole for wire insertion.

Current rating: 10 A (temperature rise $\leq 20^{\circ}\text{C}$)
Materials: Moulding: polypropylene
 Stem: brass, silver-plated
Weight (average): 2,58 g 0.09 oz
Colours (head): L1726/1 Black, red.
 L1726AJ/1 Black, blue, green, red, white and yellow.

L1757 Spring loaded terminal



Panel cut-out

A stylish, low cost, high performance, push-button terminal. No separate panel mounting kit is required, and mounting is quickly effected with one nut. The rear termination is suitable for soldering or a snap-on connector.

Current rating: 5 A (temperature rise $\leq 20^{\circ}\text{C}$)
Conductor size: 0.2 – 50/0.25 mm
Breakdown voltage: $> 8 \text{ kV d.c.}$
Insulation resistance: $\geq 10^3$ megohms
Temperature range: -25°C to $+70^{\circ}\text{C}$ (Ambient)
Termination: Solderless snap-on connector 0.110 x 0.020 inch (2.8 x 0.51 mm)

Panel thickness: 0.125 – 0.031 inch (3.2 – 0.8 mm)
Fixing torque: 0.85 N m 7.8 lbf in
Materials: Polypropylene insulation; brass stem, nickel-plated.
Weight (average): 3.4 g 0.12 oz
Colours (head): Black, red.

Ordering Information	REF: 04 Comprises 2 polypropylene mouldings, Metal washer, Nut.
Terminals and panel fittings are supplied unassembled and must be ordered as individual items e.g. 20 off terminal (e.g. L1726/1/Black) 20 off panel fitting (e.g. 04)	PANEL CUTOUT
Performance	
Breakdown (k V d.c.)	≥ 4
Ins. Res (megohms)	$\geq 20 \times 10^3$
Panel thickness	0.125 inch max. 3,2 mm
Temperature range(Ambient)	-40 to $+50^{\circ}\text{C}$ (65°C at 5 A)
Fixing torque	50 ozf in 0.353 N m