

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.

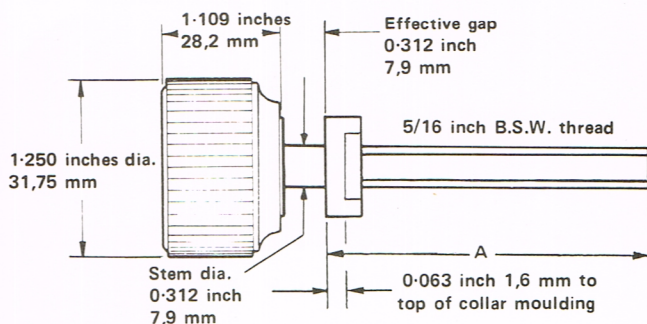
Health & Safety at Work Act October 1974.

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



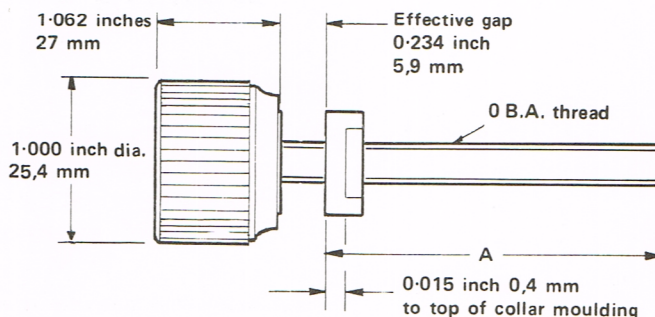
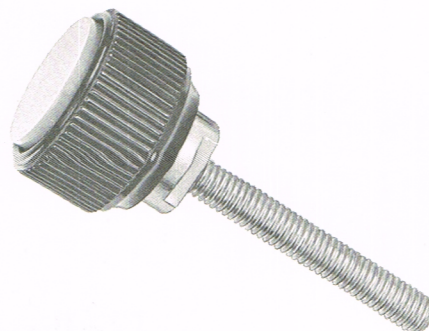
List Number	Dim A inches	mm	Panel fittings	Fixing Kit
L1005/1	2-093	53,2	H	*

* 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

L309 Terminal



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

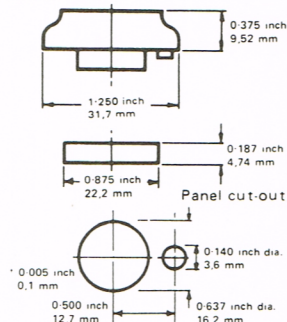
* Incorporated in Panel fittings

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

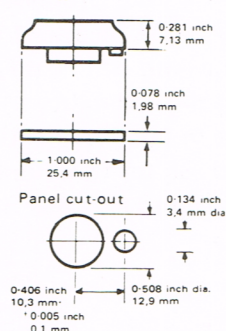
Current rating: 30 A
Insulators: Head moulding — phenolic resin
 Disc — tenite butyrate (see colours below)
Finish: Brass parts — nickel-plated
Weight (average): 25,5 g 0.90 oz
Colours (head disc): Black and red

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



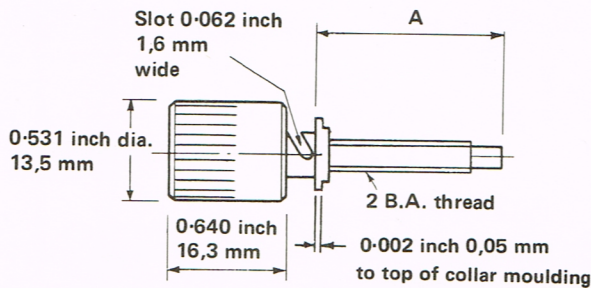
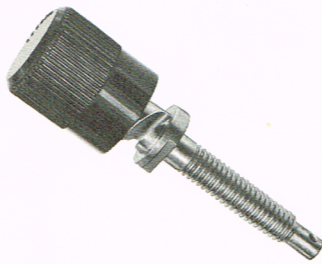
Ordering Information

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 × 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 inch 2,1-2,8 Nm

L1301 Pattern 1 terminal, panel sealed



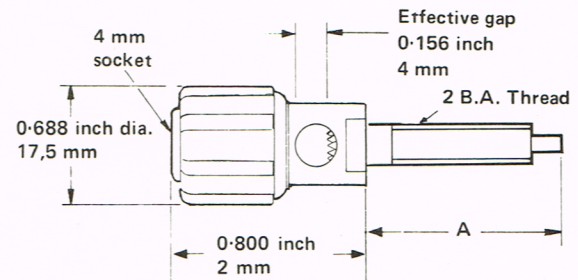
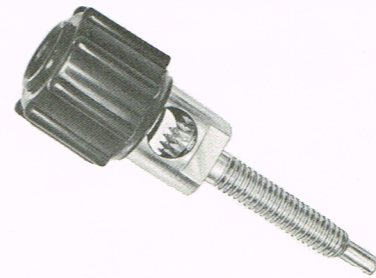
List Number	Dim A inches mm	Panel fittings	Fixing Kit
L1301/1	1.076 27,3	01	*

* 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:	$\leq 1 \text{ cc/h @ } 20 \text{ lbf/in}^2 \text{ } 138 \text{ kPa}$
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	*

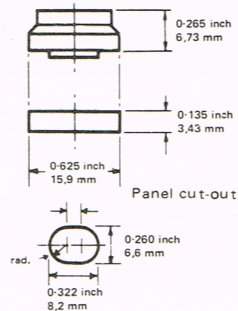
* Incorporated in Panel fittings

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.

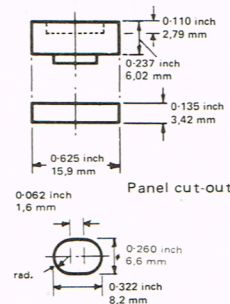
Specification:	DEF-5335
Current rating: (Services)	10 A
Leakage:	$\leq 1 \text{ cc/h @ } 20 \text{ lbf/in}^2 \text{ } 138 \text{ kPa}$
Humidity:	H1
Wire size (maximum):	0.156 inch 4 mm
Insulator (head):	Polypropylene
Finish:	Brass parts nickel-plated, solder post tin-dipped
Weight (average):	11,8 g 0.42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

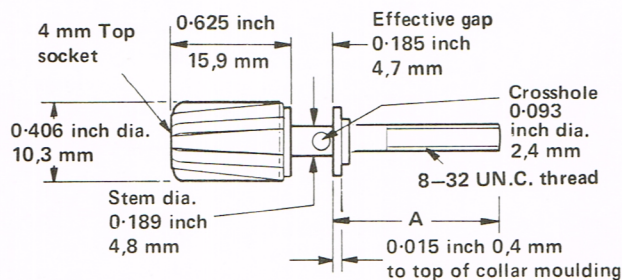
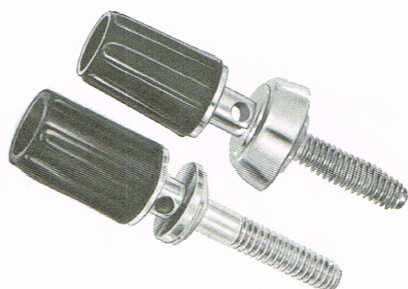


Ordering Information

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)

Performance	Ref : 01	Ref : 02
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

L 1568 Series terminals



List Number	Dim. A inch mm	Panel Fittings	Fixing Kit
L 1568/1	0-875 22,2	B, CA, L, U, 2B	2
L 1568/1E	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.

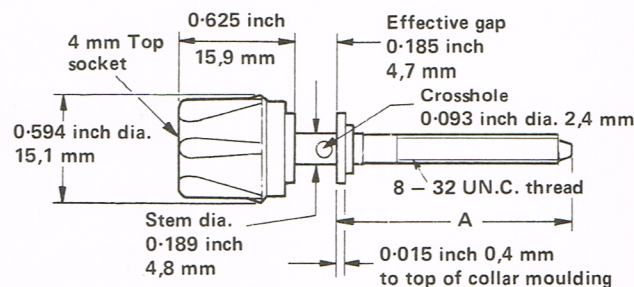
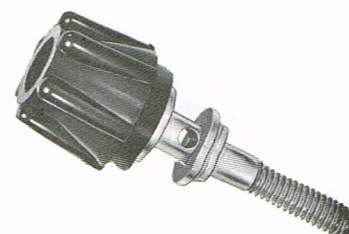
Current rating: 15 A
Insulator (head): Polypropylene
Finish: Stem: nuts, metal washer, nickel plated. Solder tag: hot tin-dipped.
Colours (head): Black, red, green, grey
Weight (average): 6,5 g 0-23 oz

L 1568/1E 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

L 1499 Series terminals



List Number	Dim. A inches mm	Panel Fittings	Fixing Kit
L 1499/0	0-875 22,2	B, CA, L, U, 2B	2
L 1499/1	1-250 31,8	B, CA, L, U, 2B, 2L, 31A	2

Similar to L 1568, but fitted with a larger head.

Colours (head): Black, red
Weights (average): L 1499/0 7,93 g 0-28 oz
 L 1499/1 8,60 g 0-38 oz

Ordering Information

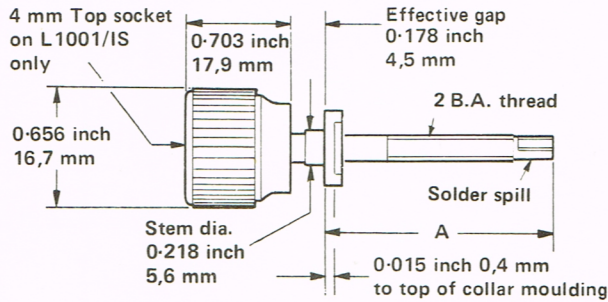
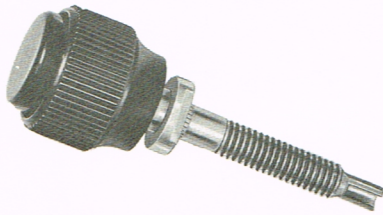
Terminals, panel fittings and fixing kits are supplied unassembled and must be ordered as individual items.

e.g. 20 off terminal (e.g. L 1001/1/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 Vd.c.)	3	3	3	3	7
Ins. Res. (megohms)	10 x 10 ³	10 x 10 ³	60 x 10 ³	10 x 10 ³	10 x 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
L1001/1 L1001/IS	1-188 30,1	B, CA, L, U, 01, 2B, 2L, 31A	3

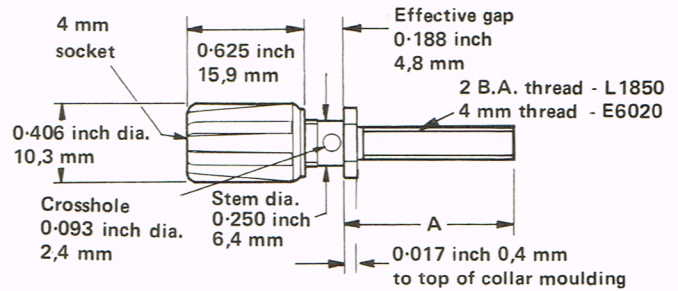
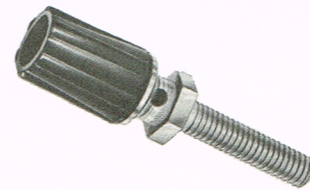
The clamping gap is free from threads, and the central disc of the terminal head does not rotate, so (except type L1001/IS) is ideal for lettering to indicate the circuit function. Type L1001/IS has a socket in the top for a 4 mm wander plug or test probe.

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 Nut — phenolic resin Disc — tenite butyrate
Insulators (head):	
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
L1850/1 E6020/1	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.

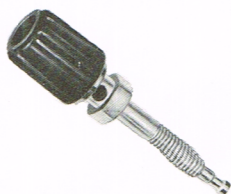
The slim fluted head of the L1850 has a 4 mm socket and is similar in style to the L1568 series.

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.

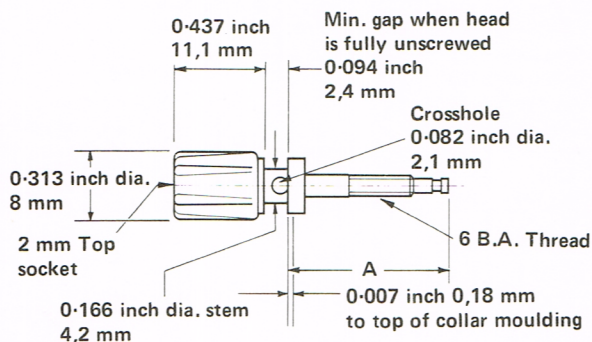
Fixing kits	Panel fittings (Black)				
Kit 2 Washer Solder tag 2 lock nuts (No. 8 - 32 UN.C.)	Ref: 2L Comprises: 2 phenolic resin mouldings	Ref: 31A Comprises: 2 polyethylene-polypropylene co-polymer mouldings	Ref: 08 Comprises: Shakeproof washer 2 locknuts	Ref: 09 Comprises: 2 phenolic resin mouldings 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 (kVd.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.

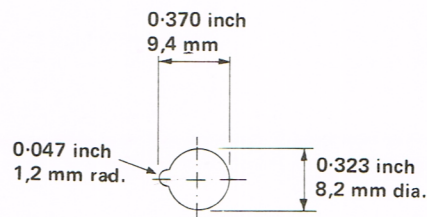
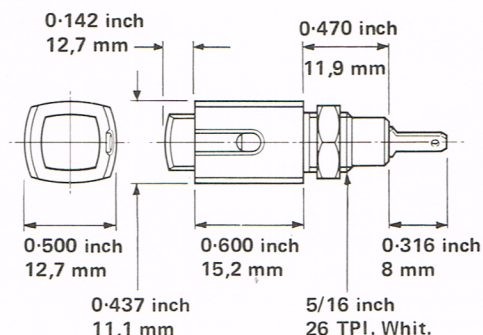
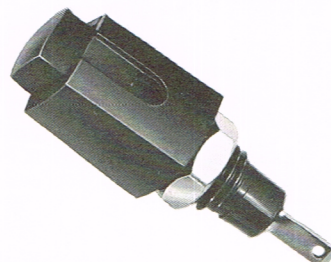


A miniature terminal designed as part of a range of 2 mm terminals, stacking plugs and sockets (see orange section of catalogue). Attractively styled with a fluted head which has a 2 mm resilient socket (L1726/1) or 2 mm non resilient socket (L1726AJ/1) for a wander plug or test probe. The clamping gap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

Ordering Information 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)	REF: 04 Comprises 2 polypropylene mouldings, Metal washer, Nut.
Performance Breakdown (k V d.c.) Ins. Res (megohms) Panel thickness Temperature range(Ambient) Fixing torque	≥ 4 $\geq 20 \times 10^3$ 0.125 inch max. 3,2 mm -40 to $+50^{\circ}\text{C}$ (65°C at 5 A) 50 ozf in 0.353 N m

L1757 Spring loaded terminal

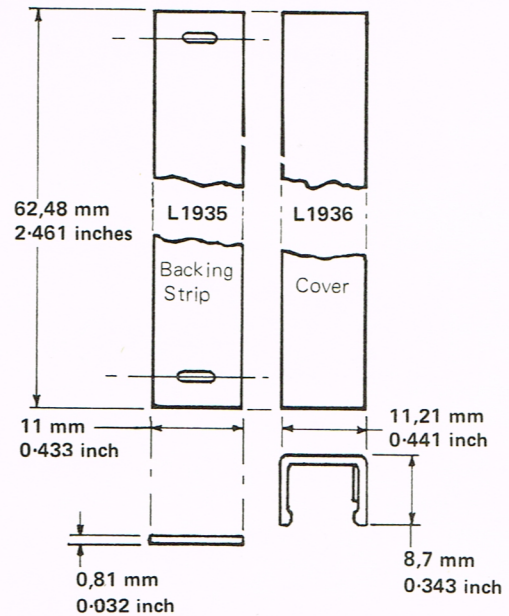
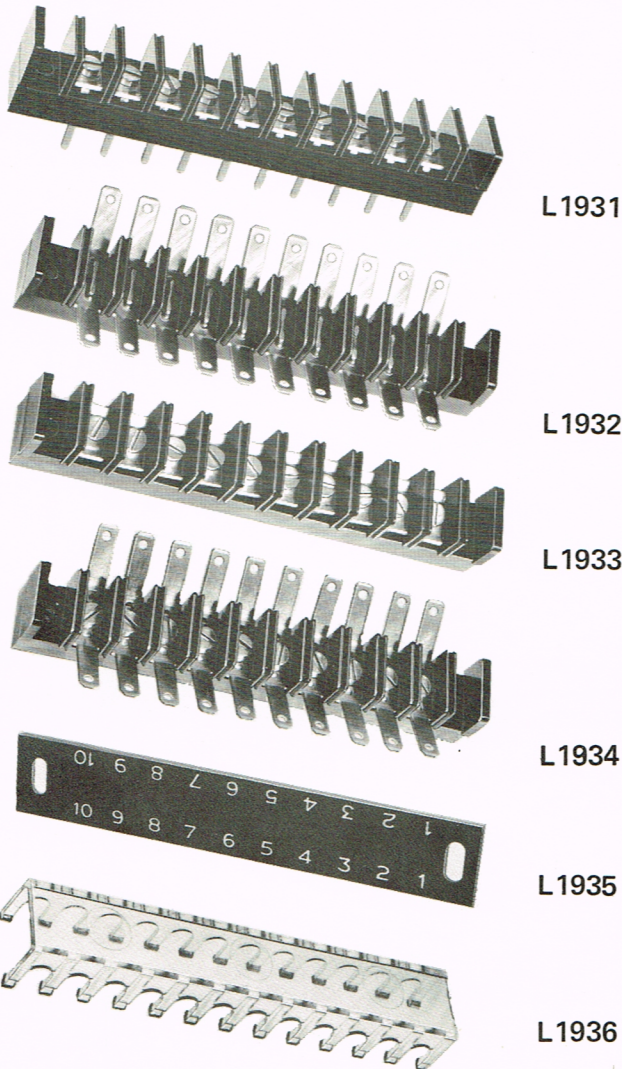


Panel cut-out

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 kVd.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.

L1931 – L1936 Miniature barrier terminal blocks



These miniature, barrier type terminal blocks are designed on a standard printed module of 0.20 inch (5.08 mm). Four varieties offer a choice of terminations, for direct attachment to printed wiring, for screw connection, and for solder or solderless snap-on connectors. A numbered backing strip for terminal identification, and a self-retaining protective cover are available.

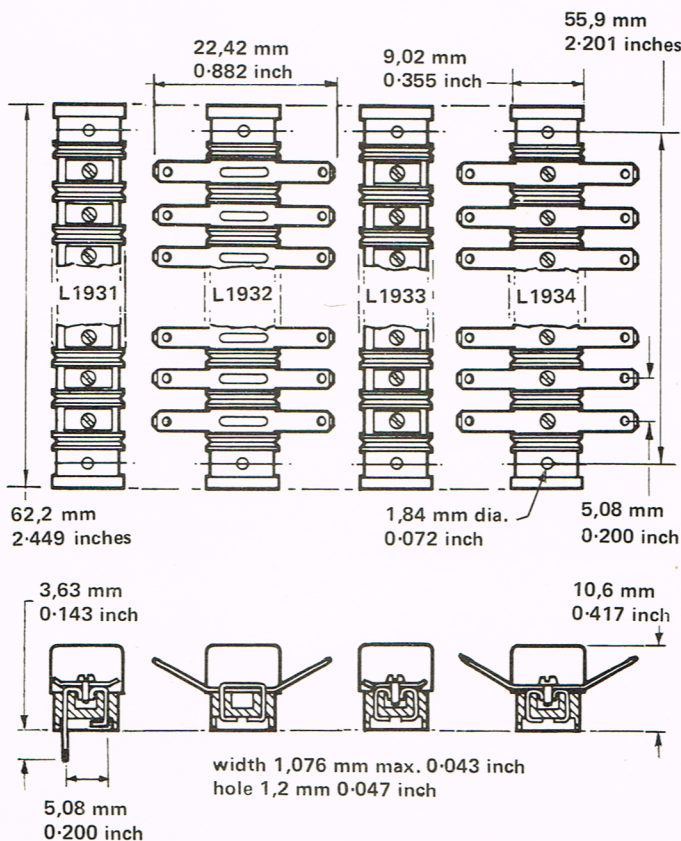
The standard blocks have 10 terminals, but these and the accessories mentioned above can be sub-divided, if required.

These 10-way terminal blocks are available in the following types:—

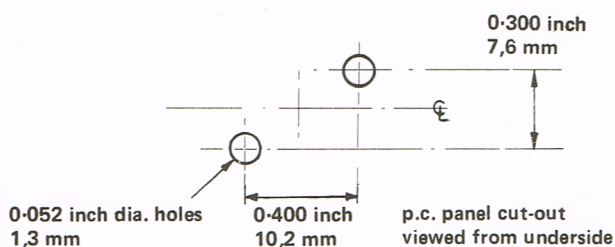
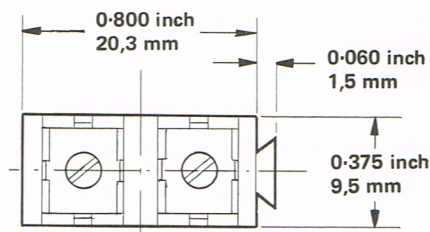
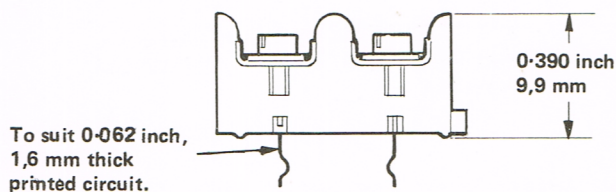
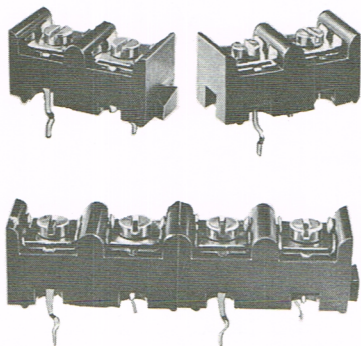
- L1931 Single row of screw terminals with pressure plates, and one row of through-chassis terminations for printed circuit board flow soldering. Designed for printed circuit boards 1/16 inch thick.
- L1932 With two rows of solder or solderless snap-on connectors (0.110 x 0.024 inch 2.8 x 0.61 mm).
- L1933 With single row of screws and pressure plates.
- L1934 (As L1932) and single row of screws (no pressure plates).

This range has been designed to cater for the requirement of design engineers in solving the problem of packaging density.

Current rating:	5 A (temperature rise $\leq 30^{\circ}\text{C}$)
Temperature range:	-55°C to $+100^{\circ}\text{C}$ (Ambient)
Proof voltage:	2 kV a.c. r.m.s.
Insulation resistance:	10^3 megohms
Material:	Insulator/cover — polycarbonate resin Contacts — brass Contact plating — silver
Weights (average):	L1931 6.8 g 0.24 oz L1932 7.7 g 0.27 oz L1933 6.6 g 0.23 oz L1934 8.8 g 0.31 oz
Backing strip:	S.R.B.P.
Accessory nomenclature:	Backing strip — L1935 Cover — L1936



L1384/Ag Modular terminal block



This terminal block has been designed for printed circuits of 0.1 inch 2.54 mm module. It consists of a black nylon moulding carrying two terminal screws and clamping plates.

These units simply clip together by means of a dovetail at each end of the block, and form a terminal strip with any even number of connections.

Current rating:	10 A (temperature rise $\leq 20^{\circ}\text{C}$)
Breakdown voltage (d.c.):	at sea level $> 6\text{ kV}$ at 60 000 feet 18 000 m $> 1\text{ kV}$
Creepage distance:	$> 10 \times 10^3$ megohms
Insulation resistance:	$> 10 \times 10^3$ megohms
Temperature range:	-55°C to $+70^{\circ}\text{C}$ (Ambient)
Humidity:	H5 (DEF - 5011)
Wire size (maximum):	0.062 inch 1.6 mm diameter
Materials:	Insulation - black, nylon Contacts - brass, silver-plated
Weight (average):	2.85 g 0.1 oz

L1790A Series barrier terminal blocks

These terminal blocks consist of a basic fourteen section moulding with two rows of 12 terminations to a row, and offer a choice of terminations for screw, solder, snap-on or spade connections. The moulding is designed for direct-mounting on a metal panel, the contacts being fully shrouded by the moulding except where through-chassis configuration is used.

L1790A

With one row of screw terminals, and one row of right angle through-chassis terminations for solder or solderless snap-on connections.

L1791A

With one row of terminations for solder or solderless snap-on connections, and one row of right angle through-chassis terminations, for solder or solderless snap-on connections.

L1792A

With two rows of screw terminations.

L1793A

With one row of screw terminals and one row of terminations for solder or solderless snap-on connections.

L1794A

With two rows of terminations for solder or solderless snap-on connections.

L1795A

With one row of screw terminals and one row of right angle through-chassis terminations for printed circuit boards.

Accessories

L2087

Transparent plastic snap-on cover.

Projects 1/8 inch (3.2 mm) above top of terminal block.

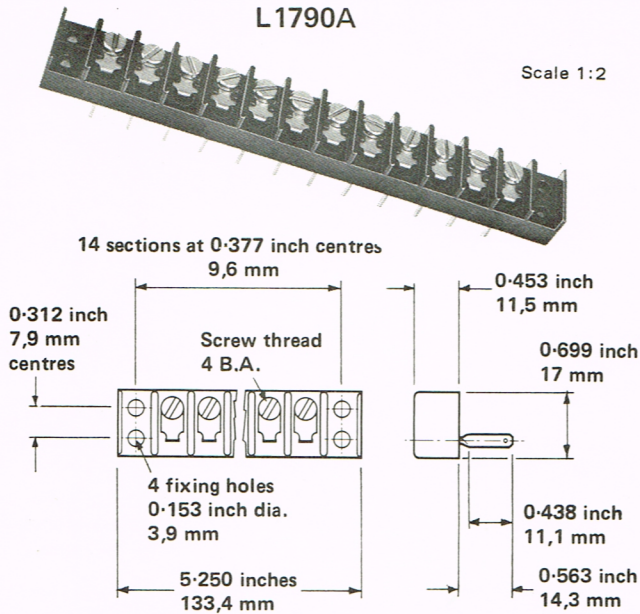
Scale 1:2



Current rating:	5 A at 100°C maximum ambient
Screw or soldered connections:	15 A at 70°C maximum ambient
Contact resistance:	≤ 3 milliohms (solderless snap-on connections) ≥ 100 megohms
Insulation resistance:	-55°C to $+100^{\circ}\text{C}$ (Ambient)
Temperature range:	
Creepage distance:	(terminals to panel face): 0.270 inch 6.9 mm
Size of termination for solderless snap-on connectors:	0.110 inch x 0.024 inch 2.8 x 0.61 mm
Maximum torque (terminal screws):	2.26 N m 20 lbf in
Materials:	Moulding - polycarbonate, black Terminals - brass, tinned Screws - steel, nickel-plated, 4 B.A. panhead

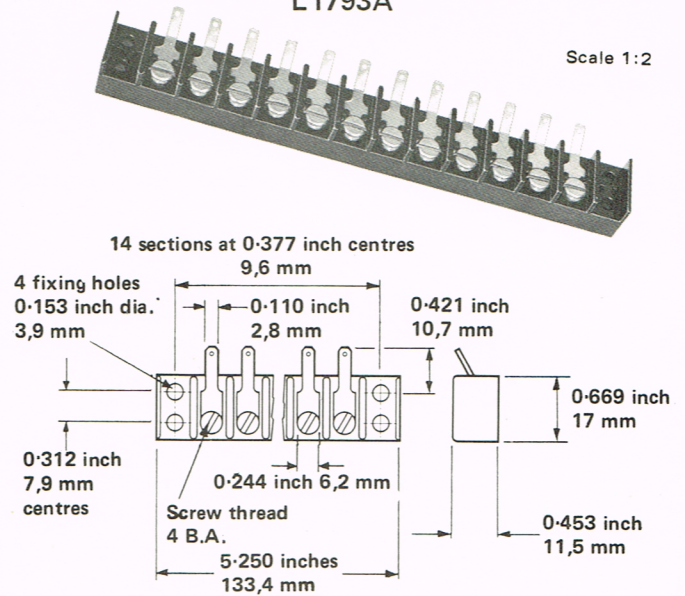
L1790A

Scale 1:2



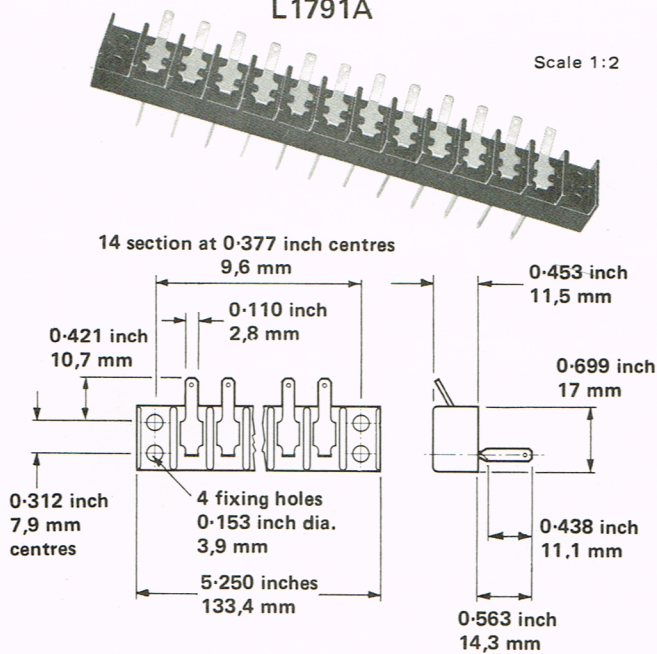
L1793A

Scale 1:2



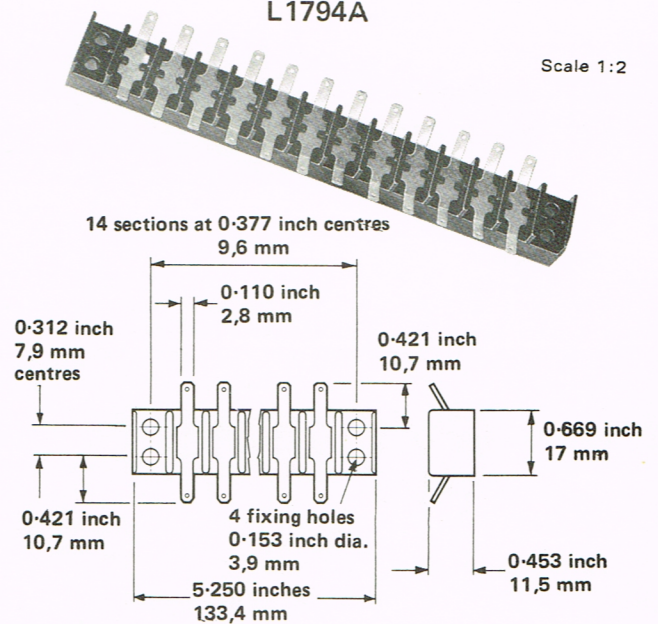
L1791A

Scale 1:2



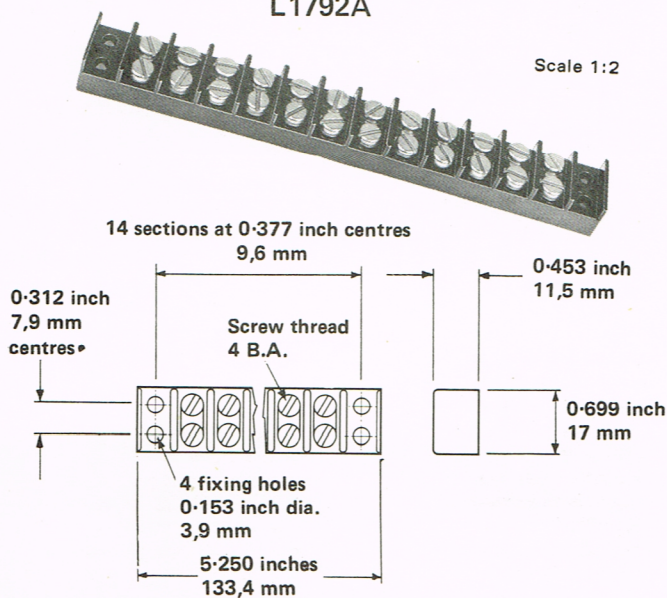
L1794A

Scale 1:2



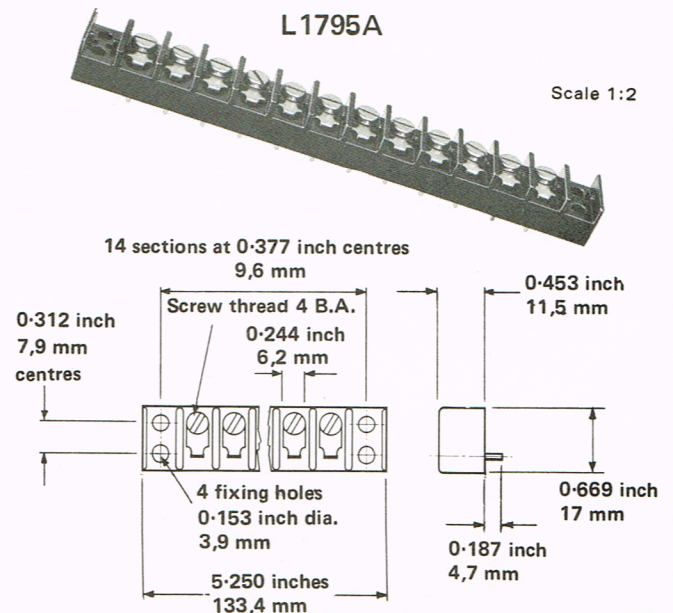
L1792A

Scale 1:2



L1795A

Scale 1:2

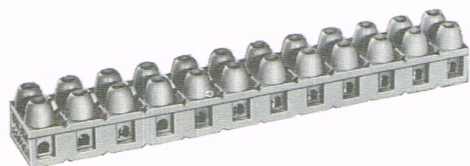


Flexible terminal blocks

1. Safe against mechanical shock and vibration.
2. Easily sub-divided with a knife. Can be secured on curved or regular surfaces.
3. Fully shrouded terminal screws are protected against accidental contact.
4. Wires are fully shrouded right up to brass terminals.
5. Domed ends to the terminal screws minimise damage to conductors (L 1639B and L 1639B/Ni have pressure pads, see below).
6. Clean or nickel-plated brass terminals.
7. Grey PVC mouldings harmonise with most equipment.
8. Other colours available for bulk orders.

L 1473 and L 1469 are skeletonised for greater flexibility, without any loss of performance, while the L 1469 and L 1409 lead-through terminal blocks overcome the problem of bringing leads through a bulkhead, obviating the need for separate cable bushes, as well as eliminating all risk of damage to terminal wiring.

L 1639B and L 1639B/Ni Flexible terminal blocks



0.093 inch dia.
2,4 mm
fixing holes
(outer rows)

Scale 1:2

0.120 inch dia.
3,1 mm
fixing holes
(centre row)

0.562 inch
14,3 mm

5.000 inches
127 mm

0.750 inch
19,1 mm

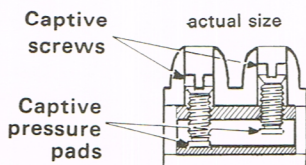
0.406 inch
10,3 mm

0.425 inch
10,8 mm

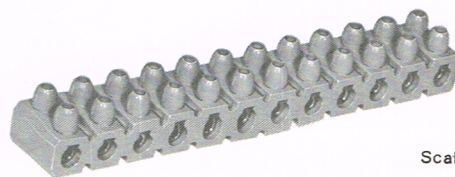
0.625 inch 15,9 mm

In these terminal blocks the tip of each screw incorporates a circular metal pad on which the screw is free to rotate. This pad remains in stationary contact with the conductor, applying pressure only, and thus a wide range of sizes is accommodated without risk of fracturing the finest strands.

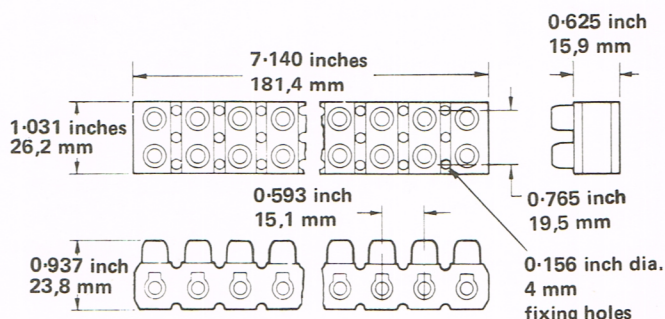
*** Current rating:** 20 A
Breakdown voltage (d.c.): > 8 kV (6 kV to chassis)
Creepage distance: 0.36 inch 9,1 mm
0.14 inch 3,6 mm to chassis
Insulation resistance: > 10×10^3 megohms
Temperature range: -55 °C to + 70 °C (Ambient)
Humidity: Class H6 (DEF - 5011)
Wire size (maximum): 7/0.85 mm or 50/0.25 mm
Weight (average): 55 g 1.9 oz



L 1325 and L 1325/Ni

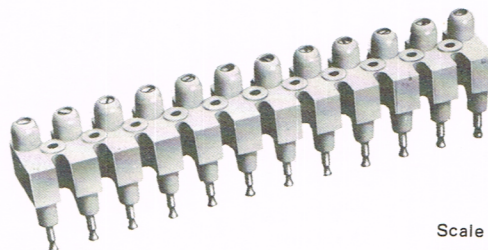


Scale 1:3

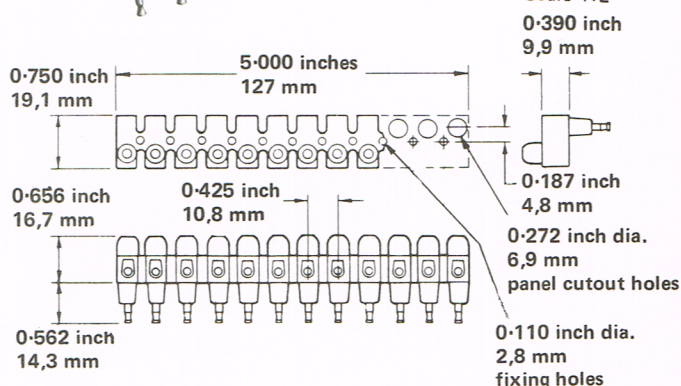


***Current rating:** 42 A
Breakdown voltage (d.c.): > 10 kV (8 kV to chassis)
Creepage distance: Between terminals 0.42 inch 10,7 mm
Terminals to chassis 0.25 inch 6,3 mm
Insulation resistance: $\geq 10 \times 10^3$ megohms
Temperature range: -55 °C to + 70 °C (Ambient)
Humidity: Class H6 (DEF - 5011)
Wire size (maximum): 7/1,35 mm
Weight (average): 158 g 5.5 oz

L 1469 and L 1469/Ni



Scale 1:2

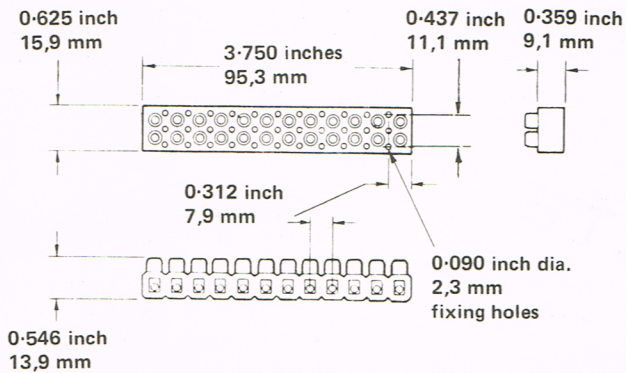


***Current rating:** 20 A
Breakdown voltage (d.c.): > 10 kV (6 kV to chassis)
Creepage distance: Between terminals 0.71 inch 18 mm
Terminals to chassis 0.14 inch 3,6 mm
Insulation resistance: $\geq 10 \times 10^3$ megohms
Temperature range: -55 °C to + 70 °C (Ambient)
Humidity: Class H6 (DEF - 5011)
Wire size (maximum): 7/0.85 mm or 50/0.25 mm
Weight (average): 60 g 2.15 oz

L1350 and L1350/Ni

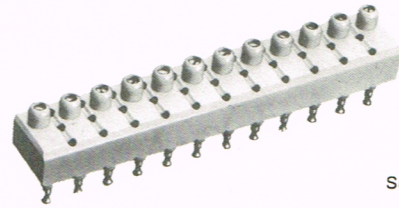


Scale 1:2

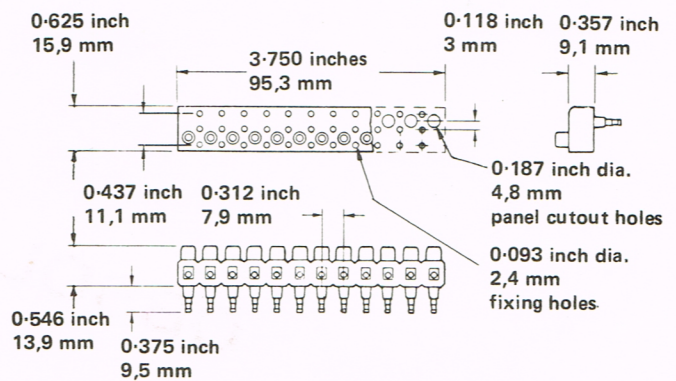


***Current rating:** 15 A
Breakdown voltage (d.c.): > 7 kV (5 kV to chassis)
Creepage distance:
 Between terminals: 0.33 inch 8,4 mm
 Terminals to chassis: 0.17 inch 4,3 mm
Insulation resistance: $\geq 10 \times 10^3$ megohms
Temperature range: -55 °C to + 70 °C (Ambient)
Humidity: Class H6 (DEF - 5011)
Wire size (maximum): 1/1,78 mm or 30/0,25 mm
Weight (average): 30,5 g 1.08 oz

L1409 and L1409/Ni



Scale 1:2

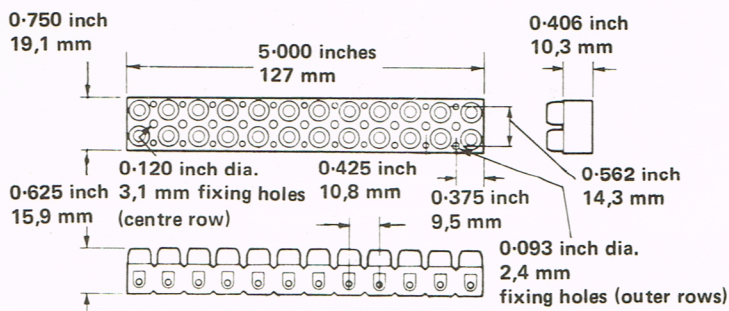


***Current rating:** 15 A
Breakdown voltage (d.c.): > 6 kV (4.5 kV to chassis)
Creepage distance:
 Between terminals: 0.33 inch 8,4 mm
 Terminals to chassis: 0.17 inch 4,3 mm
Insulation resistance: $\geq 10 \times 10^3$ megohms
Temperature range: -55 °C to + 70 °C (Ambient)
Humidity: Class H6 (DEF - 5011)
Wire size (maximum): 1/1,78 mm or 30/0,25 mm
Weight (average): 37 g 1.3 oz

L744 and L744/Ni



Scale 1:2

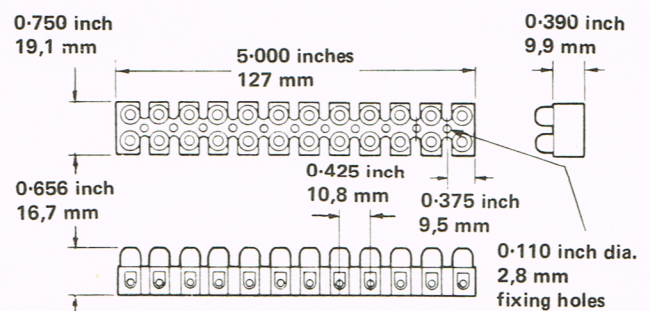


***Current rating:** 20 A
Breakdown voltage (d.c.): > 8 kV (6 kV to chassis)
Creepage distance:
 Between terminals: 0.36 inch 9,1 mm
 Terminals to chassis: 0.15 inch 3,8 mm
Insulation resistance: $\geq 10 \times 10^3$ megohms
Temperature range: -55 °C to + 70 °C (Ambient)
Humidity: Class H6 (DEF - 5011)
Wire size (maximum): 7/0,85 mm or 50/0,25 mm
Weight (average): 57 g 2 oz

L1473 and L1473/Ni



Scale 1:2



***Current rating:** 20 A
Breakdown voltage (d.c.): > 10 kV (6 kV to chassis)
Creepage distance:
 Between terminals: 0.69 inch 17,6 mm
 Terminals to chassis: 0.15 inch 3,8 mm
Insulation resistance: $\geq 10 \times 10^3$ megohms
Temperature range: -55 °C to + 70 °C (Ambient)
Humidity: Class H6 (DEF - 5011)
Wire size (maximum): 7/0,85 mm or 50/0,25 mm
Weight (average): 48 g 1.75 oz

*At specified current ratings, the temperature rise is less than 20 °C above normal ambient (20 °C). Note : Suffix Ni denotes that the terminals are nickel-plated.

Ambassador control knobs



The Belling-Lee Ambassador range of collet control knobs has been professionally styled to meet existing and future trends of equipment design.

The collet method of fixing allows the knob to be set instantly in any radial position — machined flats and drilling of spindles are unnecessary. Fixing is achieved by a single slotted nut which tightens the collet and provides a rigid shakeproof connection to the shaft.

The 16 mm knob employs a screw to close the collet onto the shaft. Knobs may be used to provide stacked concentric assemblies with progressive reduction in knob diameter.

The construction allows different coloured caps and plain or pointer flanges to be 'snapped' into the knobs, and they can be changed at any time, if desired. The knobs may be used with or without flanges.

All knob bases and flanges are recessed to accept control mounting nuts.

Colours:

Knobs:

Caps:

*Flanges:

*Pointer flanges:

Black or grey (fine textured finish)
Black, grey, red or yellow (textured finish)

Black, grey or clear (textured finish)
Black, grey or clear (textured finish)

*Other colours and flanges with alternative markings are available to special order.

Sizes (knobs):

Standard range:

16 mm diameter
25 mm diameter
34 mm diameter
45 mm diameter

Spindle diameters:

Standard range:

8 mm
1/4 inch 6,35 mm
6 mm
3/16 inch 4,76 mm
4 mm
1/8 inch 3,17 mm

Marking:

Indicator lines on caps and bodies or numerals etc. on flanges are available to special order.

Materials:

Cap, body, flanges:
Lining bush:
Collets:
Clamp nut:
Clamp screw:

Thermoplastic CAB & ABS
Brass, finish clean
Aluminium alloy, anodised
Aluminium alloy, finish clean
Brass, finish clean

Environmental Data:

Temperature range:
Humidity:
Salt mist test:

-40 °C to + 70 °C (Ambient)
21 days (BS 2011)
BS 2011 Pt2 Test Ka
severity 2

Recommended fixing torques:

16 mm knob 1 - 1,2 N m (9 - 10.6 lbf in)
25 mm knob 1,3 - 1,6 N m (11.5 - 14.2 lbf in)
34 mm knob 1,9 - 2,3 N m (16.8 - 20.4 lbf in)
45 mm knob 2,5 - 3 N m (22.1 - 26.6 lbf in)