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.

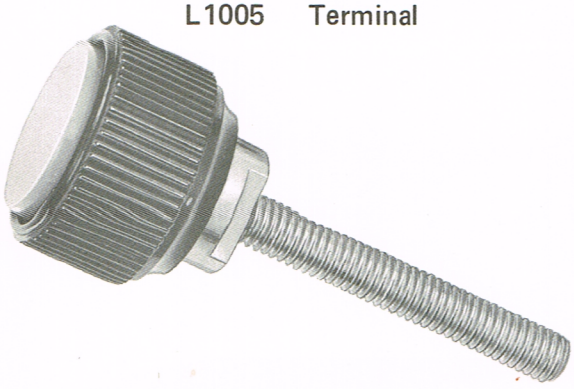
Health & Safety at Work Act October 1974.

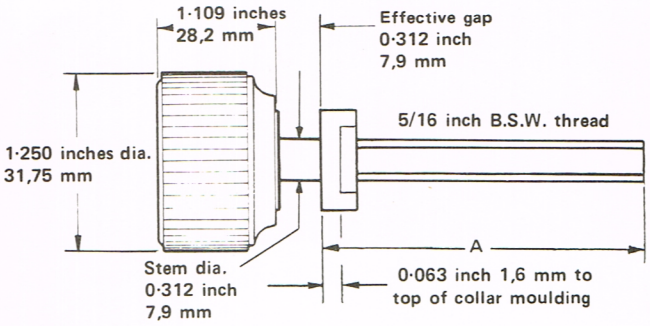
Consumer Protection Act (The Electrical Equipment Safety Regulation 1975 effective 1st April 1976).

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.

Safety Legislation/Low Voltage Directive
See introduction page to this colour section.

L1005 Terminal





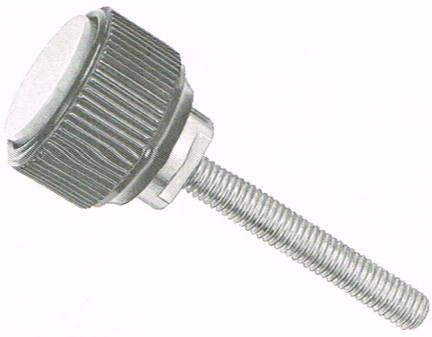
List Number	Dim A inches	Dim A mm	Panel fittings	Fixing Kit
L1005/1	2·093	53,2	H	*

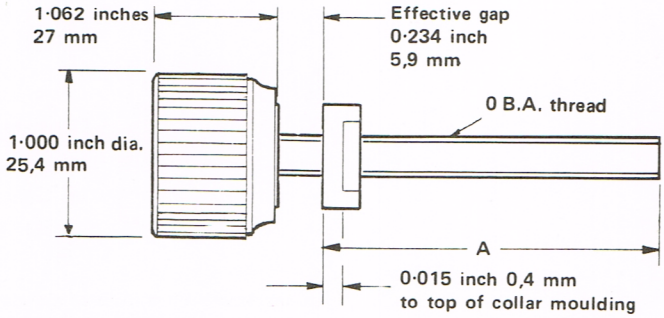
* Incorporated in Panel fittings

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	Dim A mm	Panel fittings	Fixing Kit
L309/1	1·799	45,7	F	*

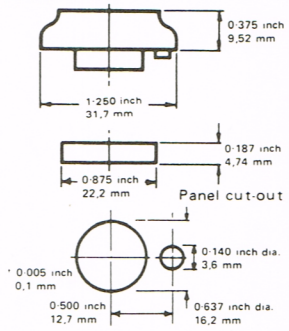
* Incorporated in Panel fittings

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

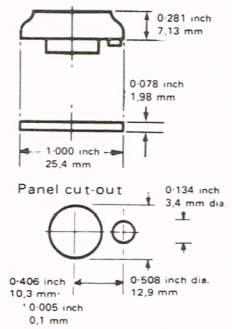
Current rating: 30 A
Insulators: Head moulding — phenolic resin
Disc — tenite butyrate (see colours below)
Finish: Brass parts — nickel-plated
Weight (average): 25,5 g 0·90 oz
Colours (head disc): Black and red

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

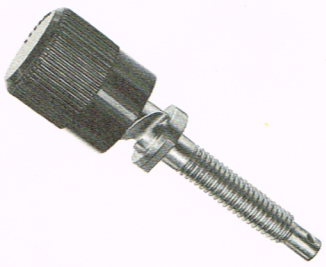


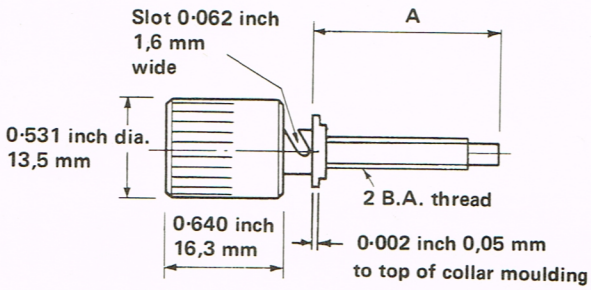
	Ref : H	Ref : F
Performance		
Breakdown (k V d.c.)	> 4	> 3
Ins. Res. (megohms)	$\geqslant 10^3$	$\geqslant 10 \times 10^3$
Panel thickness	0·064 - 0·938 inch 1,6 - 23,8 mm	0·064 - 0·938 inch 1,6 - 23,8 mm
Temperature range (Ambient)	to + 85 °C	to + 85 °C
Fixing torque	400–500 ozf in 2,8–3,5 N m	300-400 ozf inch 2,1-2,8 Nm

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)

L1301 Pattern 1 terminal, panel sealed





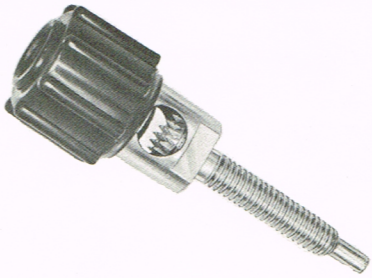
List Number	Dim A inches	mm	Panel fittings	Fixing Kit
L1301/1	1·076	27,3	01	*

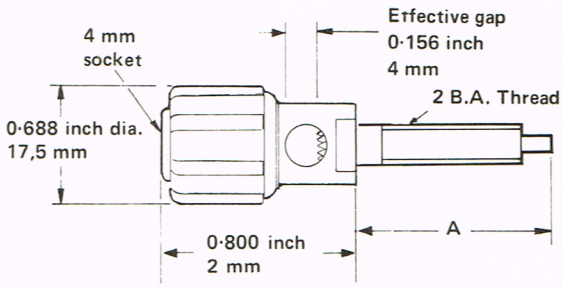
* Incorporated in Panel fittings

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





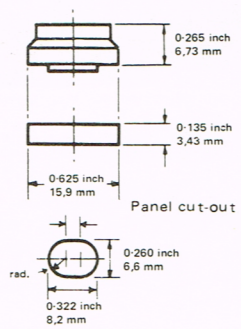
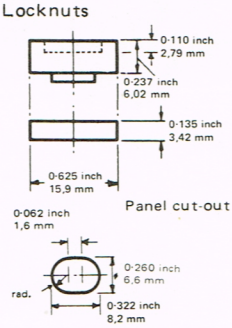
List Number	Dim A inches	mm	Panel fittings	Fixing Kit
L1361/1	1·009	25,63	02	*

* 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: 10 A
(Services)
Leakage: ⩽ 1cc/h @ 20 lbf/in^2 138 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)

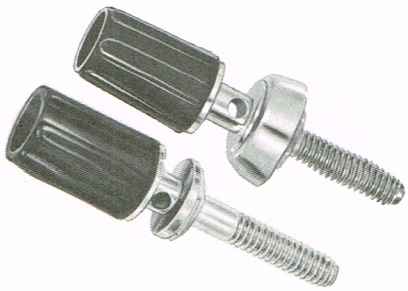
	Ref : 01 Comprises 2 Phenolic resin mouldings 2 Sealing rings Metal washer 2 Locknuts	Ref : 02 Comprises 2 Phenolic resin mouldings 2 Sealing rings Metal washer Solder tag 2 Locknuts
Performance		
Breakdown (kVd.c.)	> 2	> 3
Ins. res. (megohms)	⩾ 500	⩾ 500
Panel thickness	0·156 inch max. 3,4 mm	0·219 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

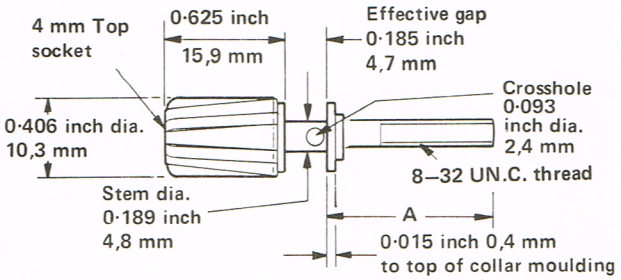
Ordering Information

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)

Safety Legislation/Low Voltage Directive
See introduction page to this colour section.

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.

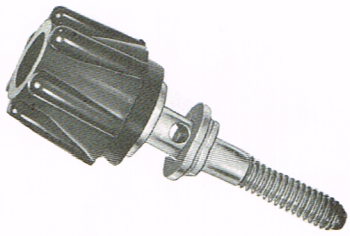
Current rating: 15 A
Insulator (head): Polypropylene
Finish: Stem: nuts, metal washer, nickel plated. Solder tag: hot tin-dipped.
Colours (head): Black, red, green, grey
Weight (average): 6,5 g 0·23 oz

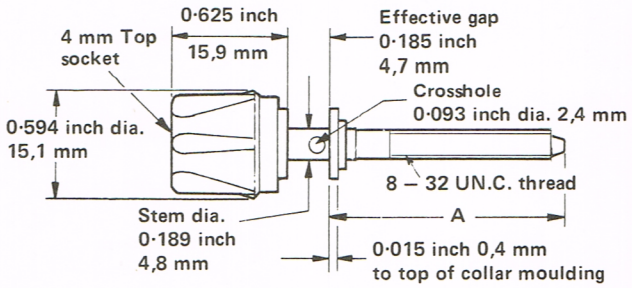
L1568/1E Earth terminal

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

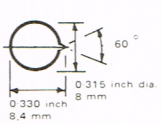
Terminals, panel fittings and fixing kits are supplied unassembled and must be ordered as individual items.

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)

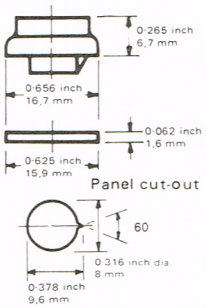
Panel fittings (Black)

Ref: 06
Comprises
2 Metal washers
Solder tag
2 Locknuts
(No. 8–32 UN.C.)

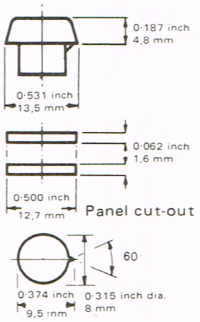
Panel cut-out L1568/1E



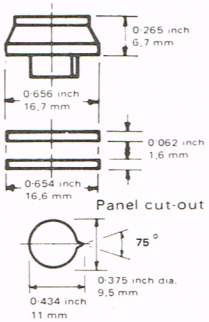
Ref: B
Comprises
Phenolic resin moulding
S.R.B.P. insulating washer



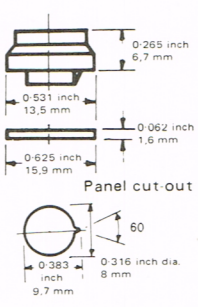
Ref: CA
Comprises
Phenolic resin moulding
2 S.R.B.P. insulating washers



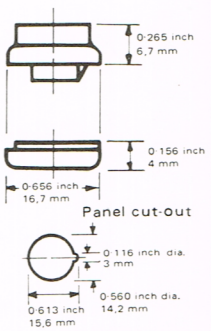
Ref: L
Comprises
Phenolic resin moulding
2 S.R.B.P. insulating washers



Ref: U
Comprises
Phenolic resin moulding
S.R.B.P. insulating washer

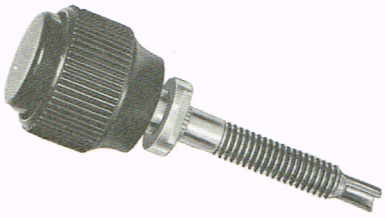


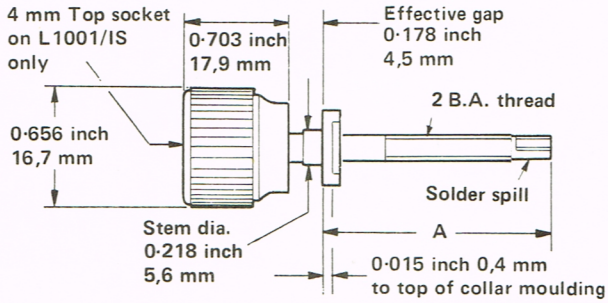
Ref: 2B
Comprises
2 Phenolic resin mouldings



Performance					
Breakdown (k Vd.c.)	3	3	3	3	7
Ins. Res. (megohms)	10×10^3	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
L1001/1 L1001/IS	1·188	30,1	B, CA, L, U, 01, 2B, 2L, 31A	3

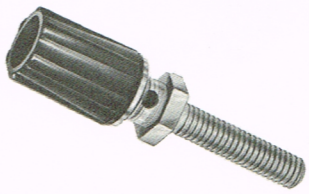
The clamping gap is free from threads, and the central disc of the terminal head does not rotate, so (except type L1001/IS) is ideal for lettering to indicate the circuit function. Type L1001/IS has a socket in the top for a 4 mm wander plug or test probe.

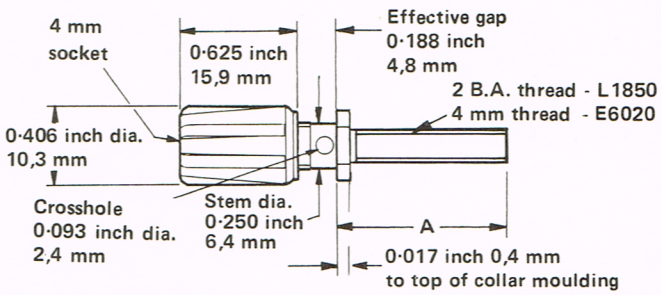
We hold many standard hot printing dies and can meet most customers' lettering requirements promptly, although for very small quantities it may be cheaper to have the heads engraved.

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

Current rating: 15 A
Finish: Brass parts: nickel-plated
Solder spill : tin dipped
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





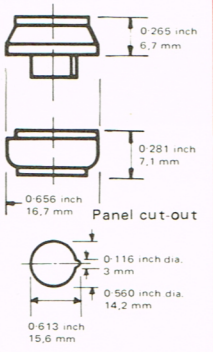
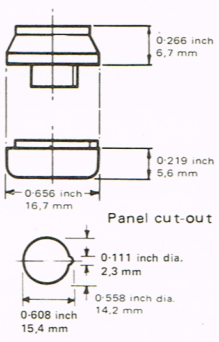
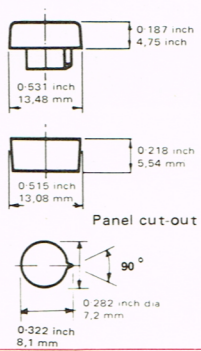
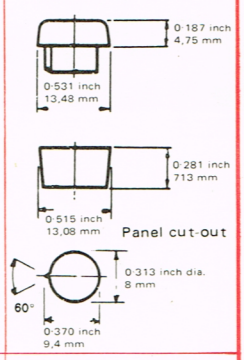
List Number	Dim. A inch	mm	Panel Fittings	Fixing Kit
L1850/1	0·906	23	08, 11	*
E6020/1	0·781	19,8	09	*

*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.

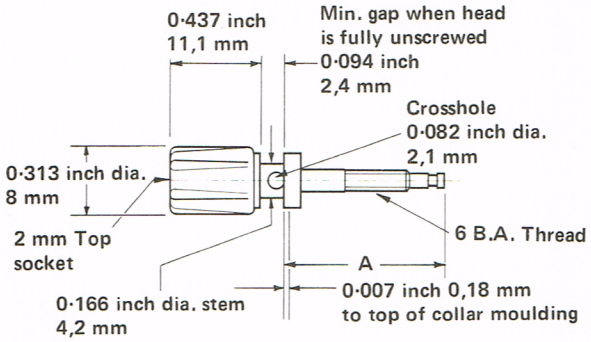
Fixing kits	Panel fittings (Black)				
Kit 2 Washer Solder tag 2 lock nuts (No. 8 - 32 UN.C.) **Kit 3** Metal washer Non-rotating washer 2 lock nuts (2 B.A.)	**Ref: 2L** Comprises: 2 phenolic resin mouldings 	**Ref: 31A** Comprises: 2 polyethylene-polypropylene co-polymer mouldings 	**Ref: 08** Comprises: Shakeproof washer 2 locknuts Panel cut-out 2 B.A. Clearance	**Ref: 09** Comprises: 2 phenolic resin mouldings 2 locknuts 	**Ref: 11** Comprises: 2 polypropylene mouldings 2 locknuts 
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	

Safety Legislation/Low Voltage Directive
See introduction page to this colour section.

L1726 Miniature terminal

List Number	Dim A inches	Dim A 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 ⩽ 20 °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.

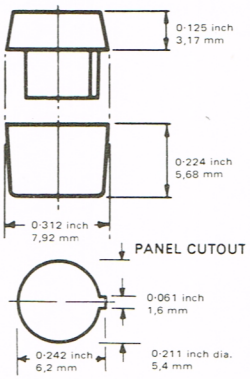
Ordering Information

Terminals and panel fittings are supplied unassembled and must be ordered as individual items e.g.

20 off terminal (e.g. L1726/1/Black)

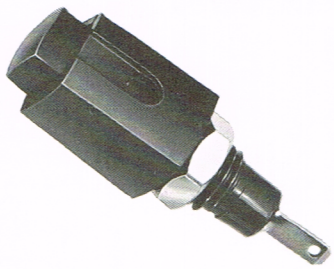
20 off panel fitting (e.g. 04)

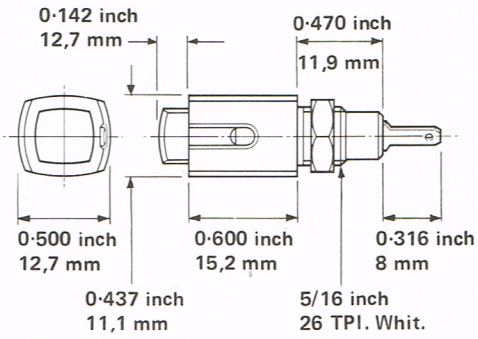
REF: 04
Comprises
2 polypropylene mouldings,
Metal washer, Nut.

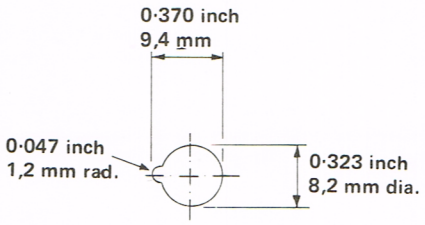


Performance	
Breakdown (k V d.c.)	⩾4
Ins. Res (megohms)	⩾20 x 10^3
Panel thickness	0·125 inch max. 3,2 mm
Temperature range(Ambient)	−40 to +50 °C (65 °C at 5 A)
Fixing torque	50 ozf in 0·353 N m

L1757 Spring loaded terminal





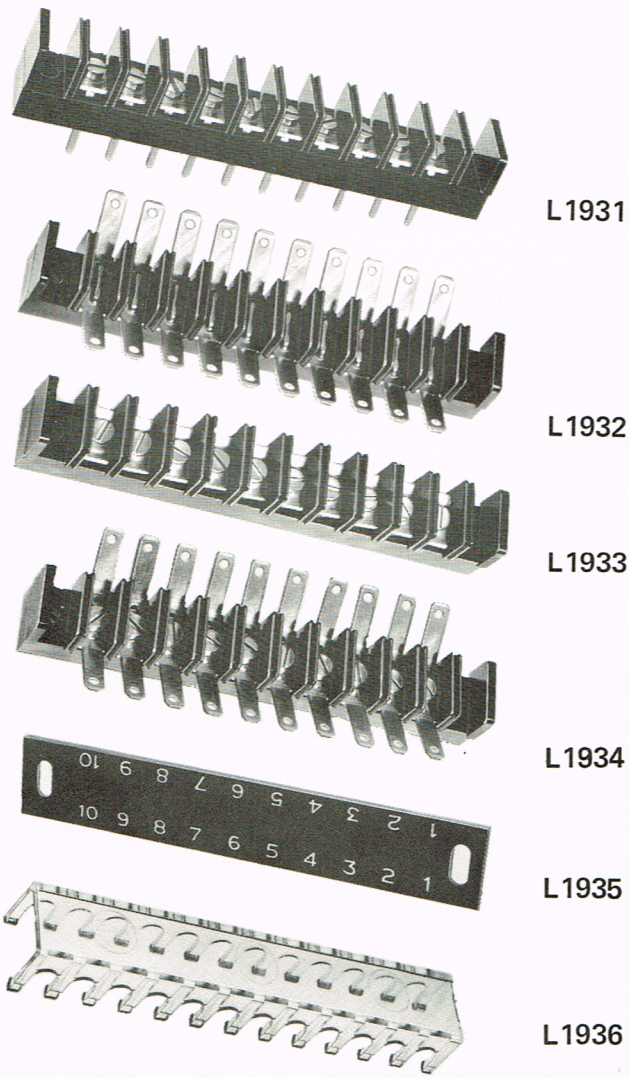


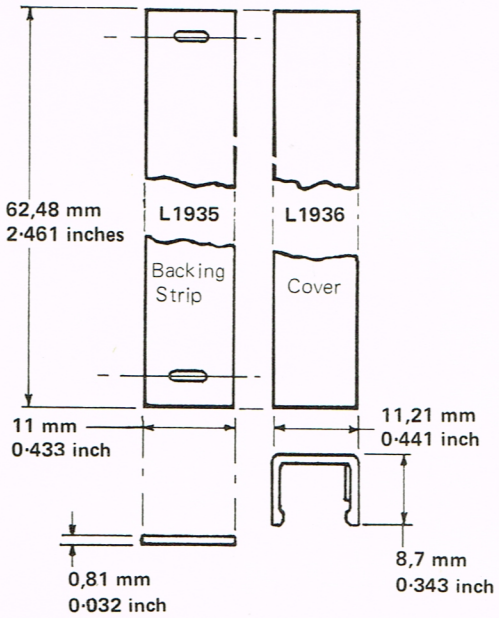
Panel cut-out

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 ⩽ 20 °C)
Conductor size: 0,2 – 50/0,25 mm
Breakdown voltage: ⩾8 kVd.c.
Insulation resistance: ⩾10^3 megohms
Temperature range: – 25 °C to +70 °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).

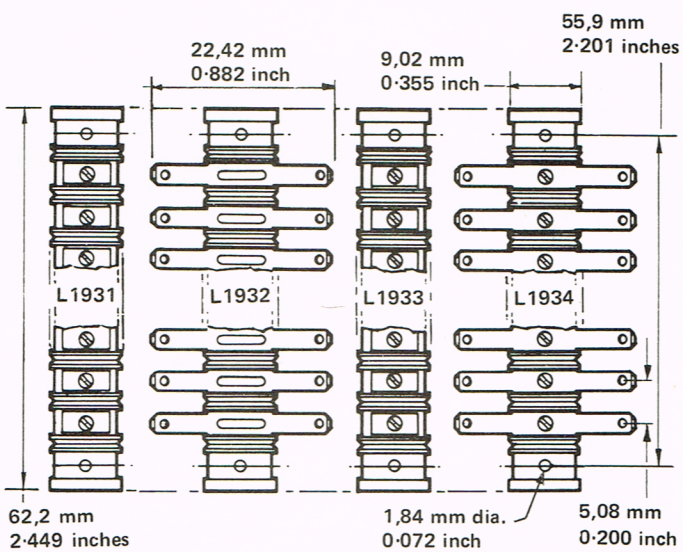
This range has been designed to cater for the requirement of design engineers in solving the problem of packaging density.

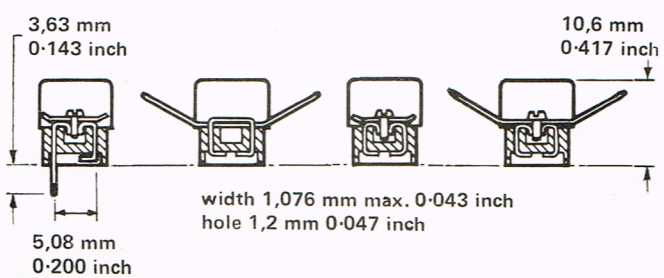
Current rating: 5 A (temperature rise ⩽ 30 °C)
Temperature range: – 55 °C to + 100 °C (Ambient)
Proof voltage: 2 kVa.c. r.m.s.
Insulation resistance: 10^3 megohms
Material: Insulator/cover – polycarbonate resin
Contacts – brass
Contact plating – silver

Weights (average):

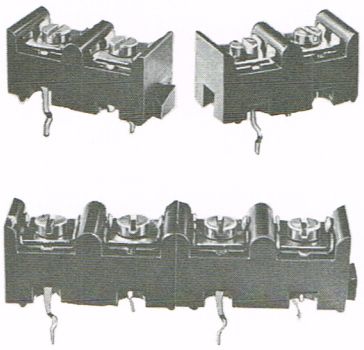
L1931	6,8 g	0·24 oz
L1932	7,7 g	0·27 oz
L1933	6,6 g	0·23 oz
L1934	8,8 g	0·31 oz

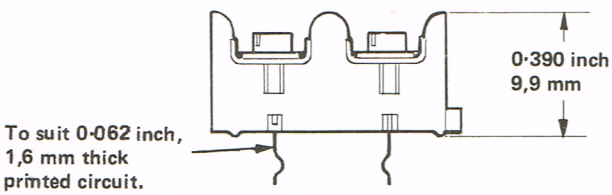
Backing strip: S.R.B.P.
Accessory nomenclature: Backing strip – L1935
Cover – L1936

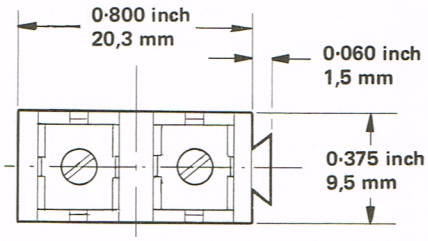


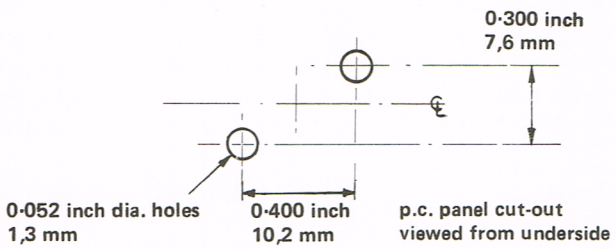


L1384/Ag Modular terminal block









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 ⩽ 20 °C)
Breakdown voltage (d.c.):	at sea level > 6 kV at 60 000 feet 18 000 m > 1 kV
Creepage distance:	0·125 inch 3,2 mm between terminals
Insulation resistance:	> 10×10^3 megohms
Temperature range:	–55 °C to +70 °C (Ambient)
Humidity:	H5 (DEF – 5011)
Wire size (maximum):	0·062 inch 1,6 mm diameter
Materials:	Insulatnt – 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

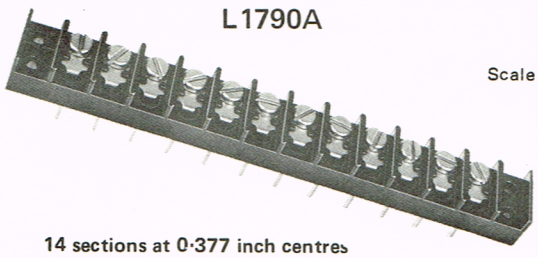
L2087
Transparent plastic snap-on cover.

Projects 1/8 inch (3,2 mm) above top of terminal block.

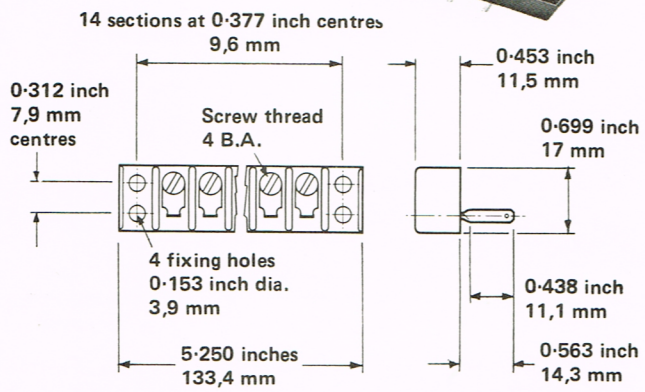
Scale 1:2

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)
Insulation resistance:	⩾ 100 megohms
Temperature range:	– 55 °C to + 100 °C (Ambient)
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

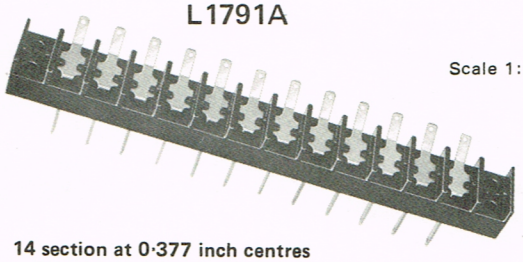
L1790A



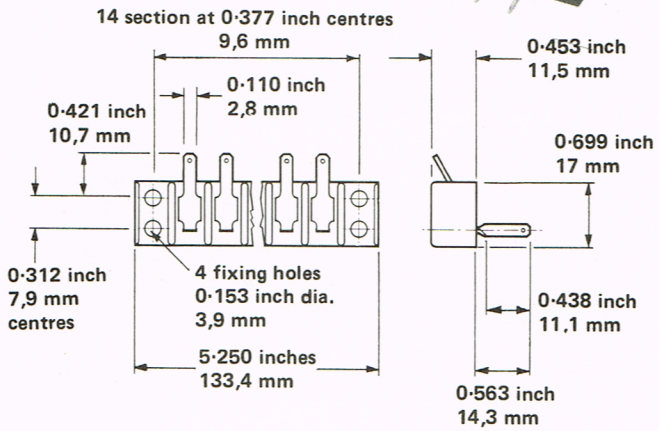
Scale 1:2



L1791A

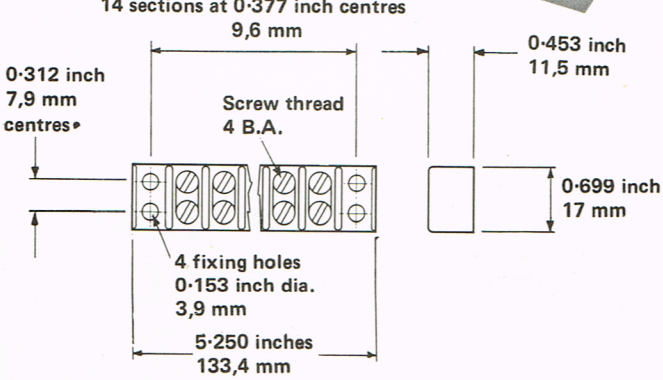


Scale 1:2



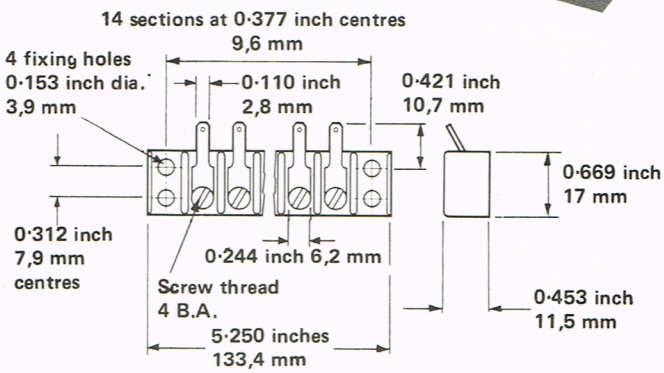
L1792A

Scale 1:2



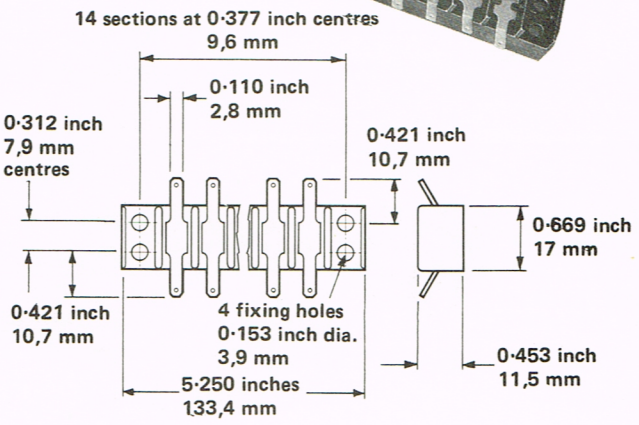
L1793A

Scale 1:2

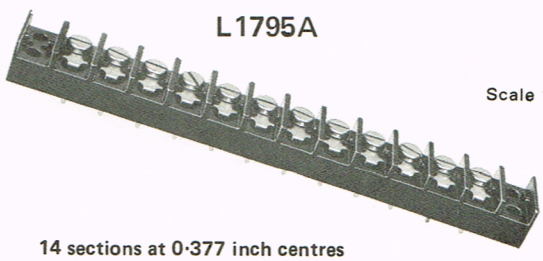


L1794A

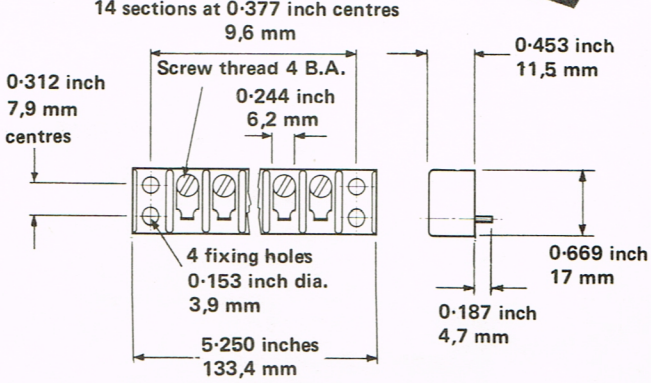
Scale 1:2



L1795A



Scale 1:2

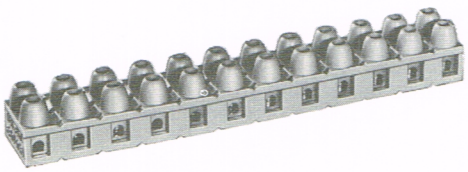


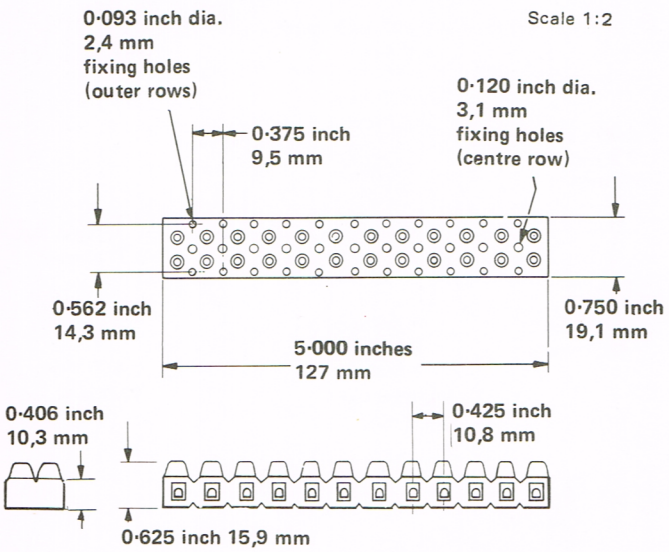
Flexible terminal blocks

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 (L1639B and L1639B/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.

L1473 and L1469 are skeletonised for greater flexibility, without any loss of performance, while the L1469 and L1409 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.

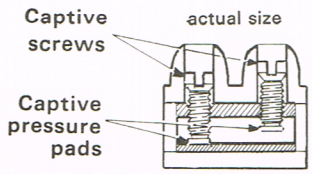
L1639B and L1639B/Ni Flexible terminal blocks



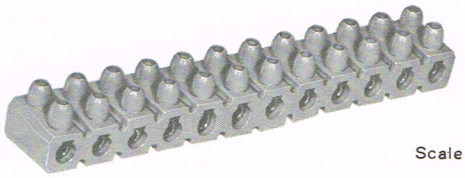


In these terminal blocks the tip of each screw incorporates a circular metal pad on which the screw is free to rotate. This pad remains in stationary contact with the conductor, applying pressure only, and thus a wide range of sizes is accommodated without risk of fracturing the finest strands.

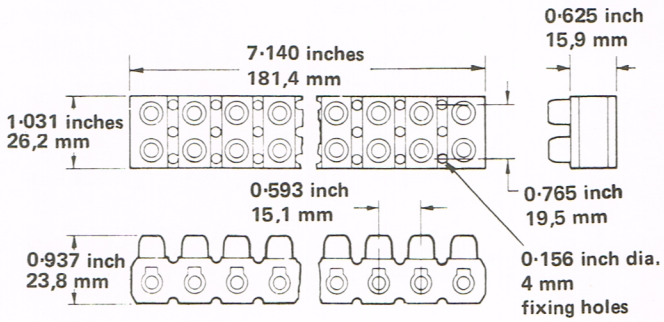
*** Current rating:**	20 A
Breakdown voltage (d.c.):	>8 kV (6kV to chassis)
Creepage distance:	0·36 inch 9,1 mm
	0·14 inch 3,6 mm to chassis
Insulation resistance:	$>10 \times 10^3$ megohms
Temperature range:	–55 °C to + 70 °C (Ambient)
Humidity:	Class H6 (DEF - 5011)
Wire size (maximum):	7/0·85 mm or 50/0·25 mm
Weight (average):	55 g 1·9 oz



L1325 and L1325/Ni

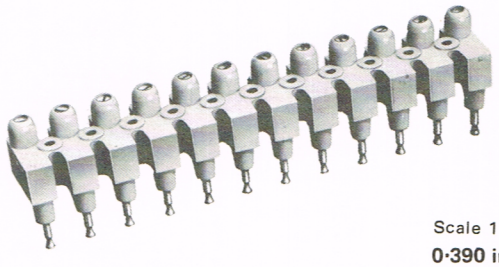


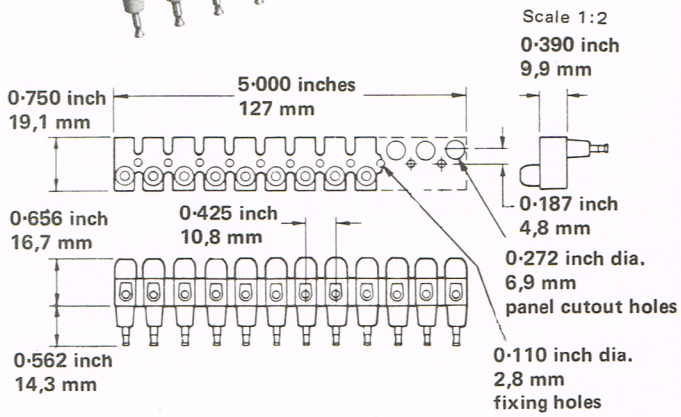
Scale 1:3



***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:	$\geqslant 10 \times 10^3$ 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

L1469 and L1469/Ni



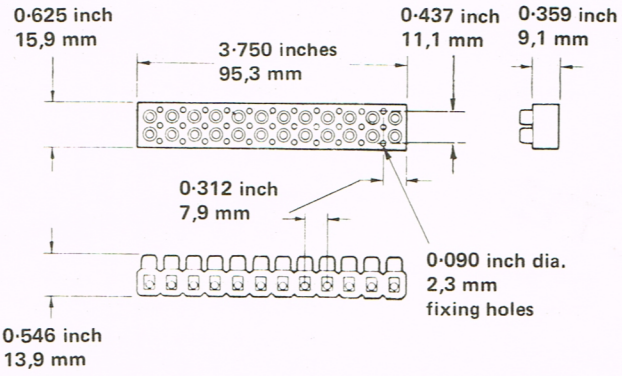


***Current rating:**	20 A
Breakdown voltage (d.c.):	>10 kV (6 kV to chassis)
Creepage distance:	
Between terminals	0·71 inch 18 mm
Terminals to chassis	0·14 inch 3,6 mm
Insulation resistance:	$\geqslant 10 \times 10^3$ megohms
Temperature range:	–55 °C to + 70 °C (Ambient)
Humidity:	Class H6 (DEF - 5011)
Wire size (maximum):	7/0,85 mm or 50/0,25 mm
Weight (average):	60 g 2·15 oz

*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.

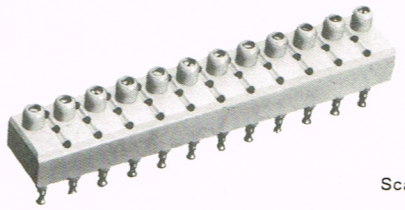
L1350 and L1350/Ni

Scale 1:2

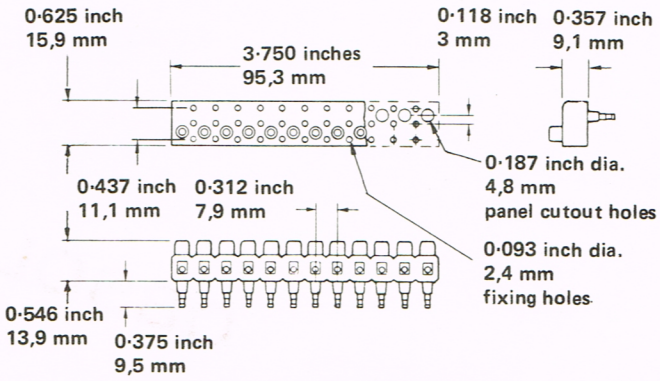


***Current rating:**	15 A
Breakdown voltage (d.c.):	>7 kV (5 kV to chassis)
Creepage distance:	
Between terminals:	0·33 inch 8,4 mm
Terminals to chassis:	0·17 inch 4,3 mm
Insulation resistance:	⩾10 x 10^3 megohms
Temperature range:	–55 °C to + 70 °C (Ambient)
Humidity:	Class H6 (DEF - 5011)
Wire size (maximum):	1/1,78 mm or 30/0,25 mm
Weight (average):	30,5 g 1·08 oz

L1409 and L1409/Ni



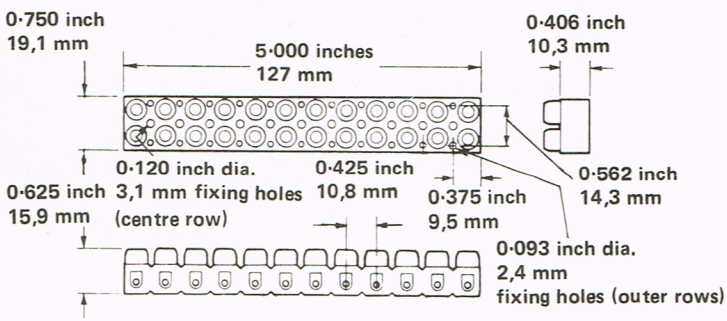
Scale 1:2



***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:	⩾10 x 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

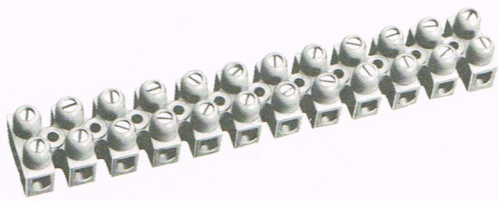
L744 and L744/Ni

Scale 1:2

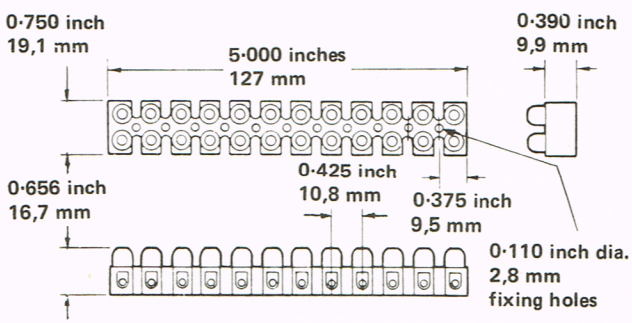


***Current rating:**	20 A
Breakdown voltage (d.c.):	>8 kV (6 kV to chassis)
Creepage distance:	
Between terminals:	0·36 inch 9,1 mm
Terminals to chassis:	0·15 inch 3,8 mm
Insulation resistance:	⩾10 x 10^3 megohms
Temperature range:	–55 °C to + 70 °C (Ambient)
Humidity:	Class H6 (DEF - 5011)
Wire size (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:	⩾10 x 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:	Black or grey (fine textured finish)
Caps:	Black, grey, red or yellow (textured finish)
*Flanges:	Black, grey or clear (textured finish)
*Pointer flanges:	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 mm 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:	Thermoplastic CAB & ABS
Lining bush:	Brass, finish clean
Collets:	Aluminium alloy, anodised
Clamp nut:	Aluminium alloy, finish clean
Clamp screw:	Brass, finish clean

Environmental Data:

Temperature range:	−40 °C to + 70 °C (Ambient)
Humidity:	21 days (BS 2011)
Salt mist test:	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)