



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

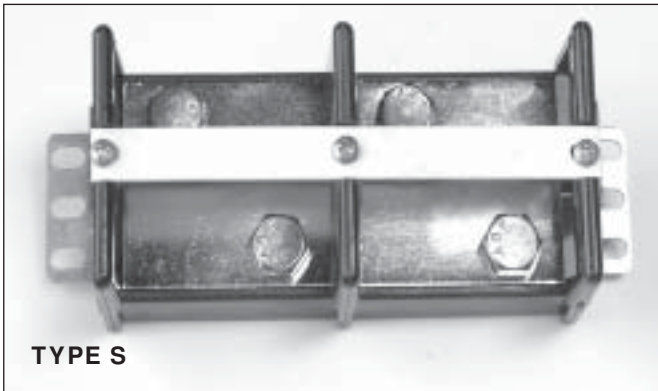
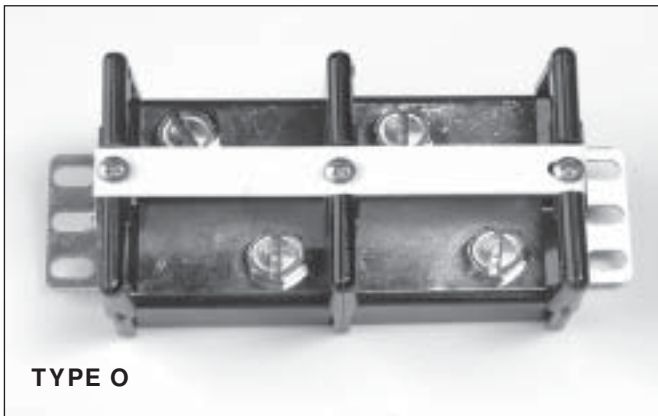
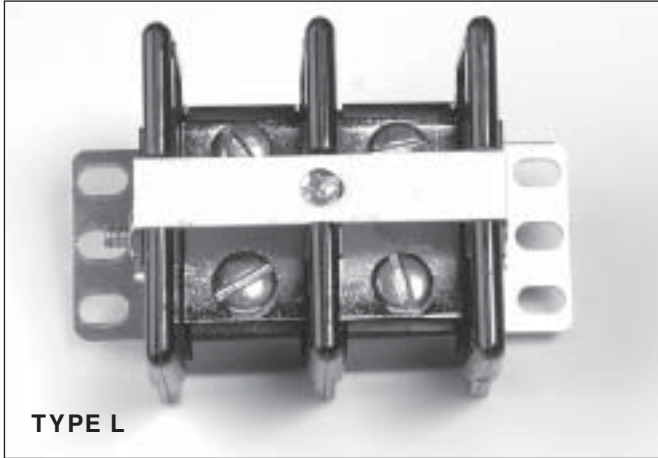
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Types L, O & S L – 1.16" (29.46mm), O – 1.86" (47.24mm),

High Voltage/Current

BARRIER STYLE





Features:

- **Heavy Load Termination Flexibility** – Designed for machine, switchboard and other heavy load terminations.
- **Readily Adaptable to Special Applications** – Can be used for branch circuit termination with simple modification of standard terminal plate.
- **Combined Style Design Capability** – All types can be combined with each other as well as with Types H and BT.
- **Ratings and Wire Sizes to Match High Current Needs** – Type L is rated at 100A/600V, UL recognized for wire up to No. 1AWG. Type O is rated 125A/600, UL recognized for wire up to No. 1/0AWG. Type S is rated 225A/600V, UL recognized for wire up to No. 4/0AWG. (Note: UL requires the use of UL recognized lugs.)
- **Recognition and Listing** – UL recognized and CSA certified

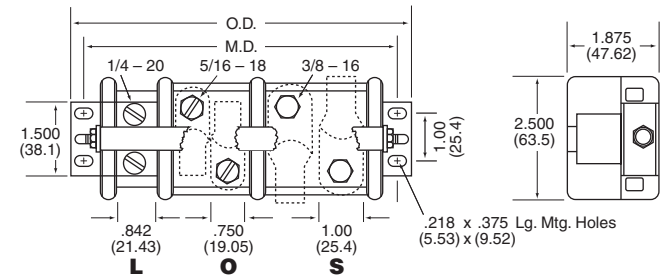
TERMINAL DESIGNATIONS

- L** Nickel-plated brass terminal bar with 1/4" – 20 plated round-head steel screws. Accepts wire up to No. 1AWG.
- O** Nickel-plated brass terminal bar with 5/16" – 18 plated slotted hex-head steel screws. Accepts wire up to No. 1/0AWG.
- S** Nickel-plated brass terminal bar with 3/8" plated hex-head steel screws. Accepts wire up to No. 4/0AWG.

 Recognized under the Components Program of Underwriters Laboratories, Inc. Standard 1059, Guide No. XCFR2, File No. E62557.

 Guide No. 184-N-90, Report No. LR39186-1.

Types L, O & S Terminal Dimensions

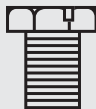


NOTE: Lugs are not finished with blocks mm dim. are shown in parentheses

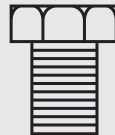
Terminal Variations



L terminal bar and 1/4" round-head screw, max. lug width – 27/32"



O terminal bar and 5/16" slotted hex-headscrew, max. lug width – 3/4"



S terminal bar and 3/8" slotted hex-headscrew, max. lug width – 1"

S – 2.42" (61.47mm) Center-to-Center Spacing

Specifications:

Wire Range:

- L – UL Recognized for No. 1AWG
- O – UL Recognized for No. 1/0AWG
- S – UL Recognized for No. 4/0AWG

- No. of Terminals:** L – 1 thru 12
 O – 1 thru 4
 S – 1 thru 4

Voltage Rating: 600V CSA and UL

- Tightening Torque:** L – 50 in.-lb.
 O – 50 in.-lb.
 S – 200 in.-lb.

Current Rating: L – 100A, O – 125A, S – 225A

Housing:

- Material: Phenolic
- Continuous Use Temp. (UL Index): 150°C (302°F)
- Flammability Rating: 94V-1
- Water Absorption (24 hrs. % wt. gain): 0.5%
- Chemical Resistance: Resistant to most organic solvents

- Breakdown Voltage:** L O S
- Terminal - Terminal: 11,000V Typ. 10,900V Typ. 10,400V Typ.
 - Terminal - Ground: 9,700V Typ. 10,300V Typ. 10,500V Typ.

Note: Specifications contained herein are subject to change without notice.

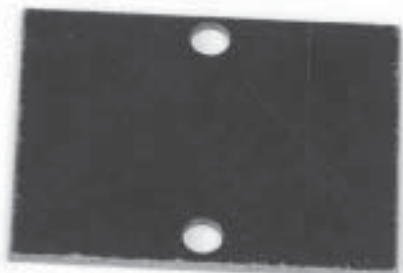
Series L, O & S Accessories

COVERS

Types T and U – Plain cover of 1/16" thick bakelite is permanently positioned to block with two screws. Factory-assembled or customer-installed.

To order, specify:

- L – Part No. 268A158 – 1 thru 12 terminals
- O – Part No. 268A159 – 1 thru 4 terminals
- S – Part No. 268A160 – 1 thru 4 terminals



How to Order

Types L, O and S terminal blocks are ordered by listing a model number made up of the series designation followed by the number of terminals required for the application.

Example: a 4-pole terminal block becomes L-4, O-4 or S-4

When ordering combinations of both types, the model number is made up of both series designations followed by total number of poles and number of each type. A model number of two L terminals followed by two O terminals thus is converted to stock number LO-4 (2L, 2O).

Combining these types with types T, U, S, H and BT would follow the same ordering format. (Note: When combined with types H or BT, a special adapter is required.)

Type L

Number of Terminals	Mounting Dimensions		Overall Dimensions	
	Inches	Metric (mm)	Inches	Metric (mm)
1	2.183	55.46	2.683	68.16
2	3.342	84.88	3.842	97.58
3	4.500	114.31	5.000	127.0
4	5.659	143.73	6.159	156.43
5	6.817	173.16	7.317	185.86
6	7.976	202.59	8.476	215.29
7	9.134	232.01	9.634	244.71
8	10.293	261.44	10.793	274.14
9	11.451	290.86	11.951	303.56
10	12.610	320.29	13.110	332.99
11	13.768	349.71	14.268	362.41
12	14.927	379.14	15.427	391.84

Type O

Number of Terminals	Mounting Dimensions		Overall Dimensions	
	Inches	Metric (mm)	Inches	Metric (mm)
1	2.880	73.16	3.380	85.86
2	4.736	120.29	5.236	132.99
3	6.591	167.42	7.091	180.12
4	8.447	214.55	8.947	227.25

Type S

Number of Terminals	Mounting Dimensions		Overall Dimensions	
	Inches	Metric (mm)	Inches	Metric (mm)
1	3.440	87.38	3.940	100.08
2	5.856	148.74	6.356	161.44
3	8.271	210.09	8.771	222.79
4	10.687	271.44	11.187	284.14

Dimensions shown are ± 0.030"