Series A3000, LP3000 & CB3000

Single Row Terminal Blocks



SPECIFICATIONS

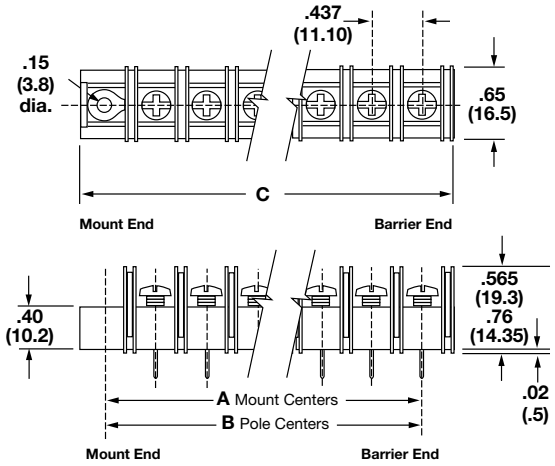
Rating: A3: 30A, 600V* #12-22 AWG
LP3: 30A, 150V #12-22 AWG
CB3: 30A, 600V #12-22 AWG
Wire Range: #12-22 AWG CU
Center Spacing: .437" or 7/16" (11.10 mm)
Screw Size: #6-32 zinc plated philslot screws.
Torque Rating: 9 in-lb.
Base: Standoffs standard for easy flux washing.
Distance Between Barriers: .32" (8.1 mm)
Recommended PCB Hole Diameter: .076" (1.93 mm)
Operating Temperature: 105°C (221°F) max., -40°C (-40°F) min.
Molded Material: Black, UL Rated 94V0 Thermoplastic
Breakdown Voltage: 3500V (A3 & LP3); 8200V (CB3)
Agency Information: UL/CSA; IEC Compliance, CE Certified

*30A Rating achieved with a #10 copper wire crimped to a ring terminal; 20 Rating without ring terminal.

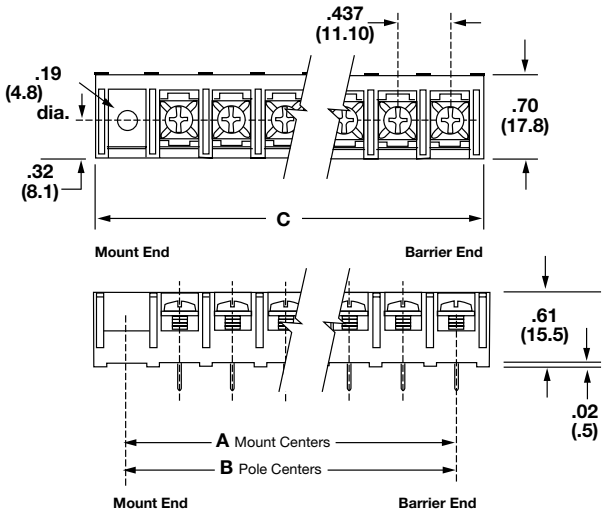
Poles	MOUNTING ENDS ONLY A Mount Ctrs.	MOUNTING ENDS ONLY C Length	BARRIER & MOUNTING ENDS B Pole Ctrs.	BARRIER ENDS ONLY C Length
02	1.31	1.73	.43	.98
03	1.75	2.17	.87	1.43
04	2.18	2.61	1.31	1.87
05	2.62	3.05	1.75	2.31
06	3.06	3.48	2.18	2.75
07	3.50	3.92	2.62	3.18
08	3.93	4.36	3.06	3.62
09	4.37	4.80	3.50	4.06
10	4.81	5.23	3.93	4.50
11	5.25	5.67	4.37	4.93
12	5.68	6.11	4.81	5.37
13	6.12	6.55	5.25	5.81
14	6.56	6.98	5.68	6.25
15	7.00	7.42	6.12	6.68
16	7.43	7.86	6.56	7.12
17	7.87	8.30	7.00	7.56
18	8.31	8.73	7.43	8.00
19	8.75	9.17	7.87	8.43
20	9.18	9.60	8.31	8.87
21	9.62	10.05	8.50	9.31
22	10.06	10.48	9.18	9.75
23	10.50	10.92	9.62	10.18
24	10.93	11.36	10.06	10.62
25	11.37	11.80	10.50	11.06
26	11.81	12.23	10.93	11.50
27			11.37	11.93
28			11.81	12.37

Dimensions in inches. To convert to millimeters, multiply by 25.4.

A3000 & LP3000 Series



CB3000 Series



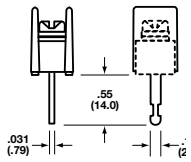
Series A3000 & LP3000
Single Row Terminal Blocks

Part Numbering System

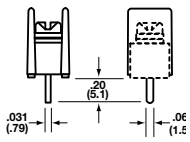
Series	Terminal Style	Base/End (Views pg. 15)	Poles	Screw Options	Options
A3 LP3	☐☐	☐	☐☐	☐☐☐☐	☐☐☐
A3 - standard barrier **LP3** - low profile barrier	**01** - handwired **02** - printed circuit **03** - non feed-thru **04** - wire wrap tail **05** - extended handwired **06** - handwired **07** - extended pin **08** - printed circuit **09** - .250 QC short **10** - .187 QC **14** - printed circuit **19** - .250 QC long	**1** - flat base/mnt. end **2** - flat base/barrier end **3** - insulator base/ mnt. end **4** - insulator base/ barrier end **5** - closed base/ mount end Base/End Note: 5 Style only available with 03 terminals.	**02** to **28** **02** to **26** on mount end base	Blank - std. screw **00** - screws shipped bulk **03** - stainless steel **04** - brass nickel plated **07** - steel SEMS zinc plated (not available with hardware options) **09** - brass SEMS nickel plated (not available with hardware options) **03CA** - stainless steel captive **04CA** - brass captive **07CA** - SEMS captive **09CA** - brass SEMS captive **07WR** - steel SEMS wire ready (A3 only)	**AB** - angle mnt. options (pg 15) **A1** to **A9** - .250" QC **B1** to **B9** - .187" QC **DR** - drilled right angle (pg 15) **J201** - flat slip-on jumper **L1** to **L6** marking options (pg 22) **MP, MP8** & **MT** mounting plates (pg 15) **OJ3, OJ5** & **OJ7** - over barrier jumpers **RC** - retaining clips (pg 15) **R30** to **R77** - right angle bends (pg 15) **SO** - stand off insulators (pg 15) **S1** - solder lug/flat **Covers** - (pg 23)

Terminal Styles

Inches (Millimeters)



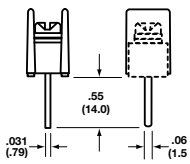
01
Handwired



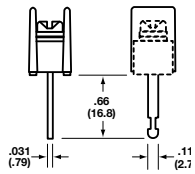
02
Printed Circuit



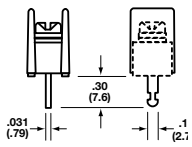
03
Non Feed-Thru



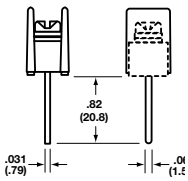
04
Wire Wrap Tail



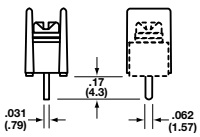
05
Extended Handwired



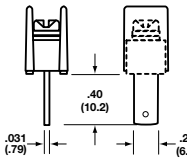
06
Handwired



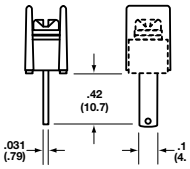
07
Extended Pin



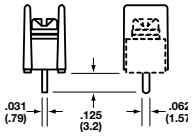
08
Printed Circuit



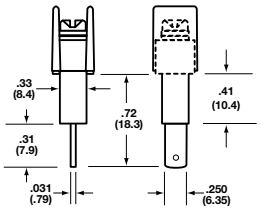
09
.250 QC Short



10
.187 QC



14
Printed Circuit



19
.250 QC Long

Screw Options



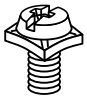
Standard
Zinc Plated Steel



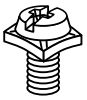
03
Stainless Steel



04
Brass
Nickel Plated



07
Steel SEMS
Zinc Plated



09
Brass SEMS
Nickel Plated



07WR
Wire Ready
(A3 only)

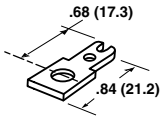
Series A3000 & LP3000

Single Row Terminal Blocks *Continued*

Hardware Options (Bulk ordering part numbers are in parentheses.)

Inches (Millimeters)

Solder Lugs

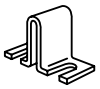


S1
(2S1)

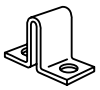


J201
Flat slip-on

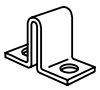
Jumpers



OJ3

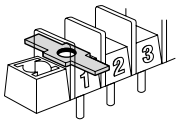


OJ7
LP3 Only

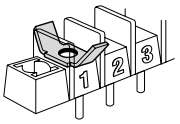


OJ5

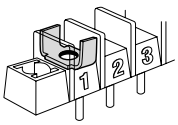
Quick Connects
Blade Width A = .250" Blade Width B = .187"



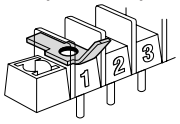
A1 & **B1**
(2A1 & **2B1)**



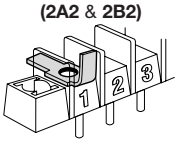
A2 & **B2**
(2A2 & **2B2)**



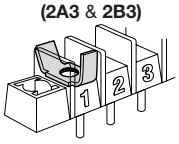
A3 & **B3**
(2A3 & **2B3)**



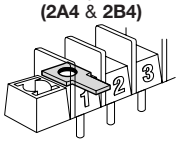
A4 & **B4**
(2A4 & **2B4)**



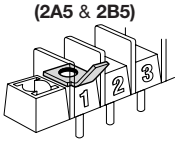
A5 & **B5**
(2A5 & **2B5)**



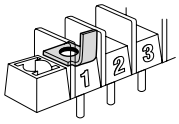
A6 & **B6**
(2A6 & **2B6)**



A7 & **B7**
(2A7 & **2B7)**

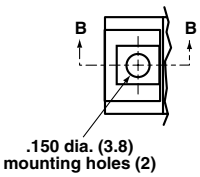


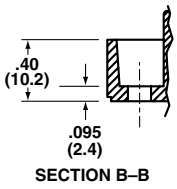
A8 & **B8**
(2A8 & **2B8)**



A9 & **B9**
(2A9 & **2B9)**

Base/End Options





SECTION B–B

1, 3 & 5 Mount End

Series A3000 & LP3000

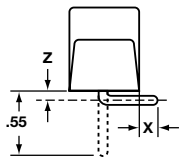
Single Row Terminal Blocks *Continued*

Mounting Options

Right Angle Bends (A3, LP3 only)

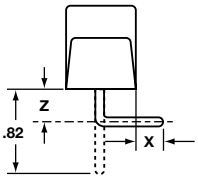
Right angle terminals are offered on the A3000 & LP3000 Series. Configurations are defined in these dimensions: X = pin extension beyond the block base; Z = length from block base to centerline of the terminal tip. Standard bends consist of the X and Z dimensions shown in the chart. Specify by adding the selected Bend Option Code to the terminal part no.

04 Terminal Bend Configurations



Bend Option Code	X (minimum)	Z	Available w/insulator base
R30	-.04	.28	No
R35	.01	.23	No
R36	.02	.22	No
R39	.05	.19	No
R42	.08	.16	No
R46	.12	.12	No
R48	.14	.10	No
R50	.16	.08	No

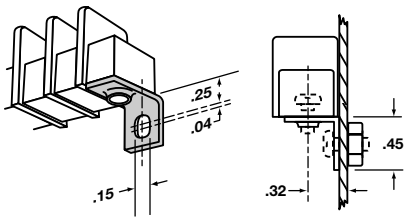
07 Terminal Bend Configurations



Bend Option Code	X (minimum)	Z	Available w/insulator base
R30	-.04	.55	Yes
R35	.01	.50	Yes
R36	.02	.49	Yes
R50	.16	.35	No
R53	.19	.32	No
R66	.32	.19	No
R69	.35	.16	No
R75	.41	.10	No
R77	.43	.08	No

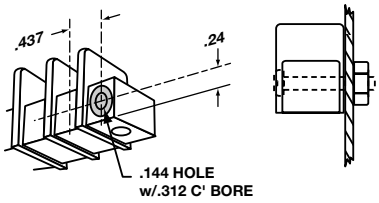
Dimensions in inches. To convert to millimeters, multiply by 25.4.

Angle Brackets (A3, LP3 only)



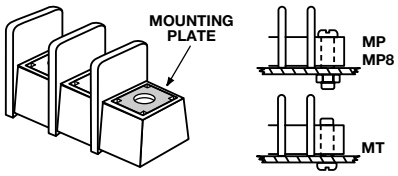
Option AB
Angle brackets enable block to be fastened at right angles to normal mount position. Bulk part no. **2AB**.

Drilled Right Angle (A3, LP3 only)



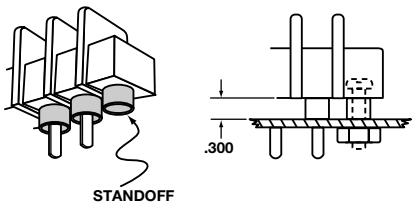
Option DR
Counterbored holes across mount ends of block enable fastening with two screws at right angles to normal mount position.

Mounting Plates



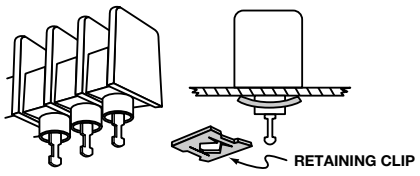
Options MP, MP8 & MT
MP Metal inserts with .150" dia. hole accept #6 screw. **MP8** Metal inserts with .187" dia. hole accept #8-32 screw. **MT** Metal inserts with tapped hole accept #6-32 screw.

Standoffs



Option SO
Standoff mounts are tubes molded to the mounting positions. Available with insulator bases only.

Retaining Clip



Option RC
Use on standoff tubes. Fit panels up to .125" thick. Two clips for every five positions. Supplied unassembled. Bulk Part No. **H541**.

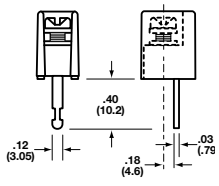
Series CB3000
Single Row Terminal Blocks

Part Numbering System

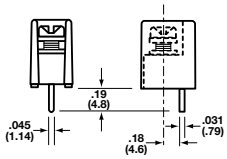
Series	Terminal Style	Base/End	Poles	Screws	Options
CB3	☐☐	☐	☐☐	☐☐☐☐	☐☐☐
CB3 - closed back	**01** - handwired #6-32 screw **02** - printed circuit #6-32 screw **03** - non feed-thru #6-32 screw **07** - extended pin #6-32 screw **14** - printed circuit #6-32 screw **51** - handwired #8-32* **52** - printed circuit #8-32* **53** - non feed-thru #8-32* **57** - extended pin #8-32* **64** - printed circuit #8-32* *Note: #8-32 screw is a special with #6-32 head.	**1** - mount end **2** - barrier end **5** - closed base/ mount end Base/End Note: 5 Style only available with 03 terminals.	**02** to **28** **02** to **26** on mount end base	**07** - steel SEMS **09** - brass SEMS nickel plated **07CA** - SEMS captive	**AB** - angle mounting brackets (pg 17) **A7** to **A9** - .250" QC **B7** to **B9** - .187" QC **EB** - exit back terminals **L1** to **L6** marking options (pg 22) **LT1** to **LT6** marking options (pg 22) **OJ3** & **OJ7** - over barrier jumpers **MP, MP8, MT** & **MT8** mtg. plates (pg 17) **S1** - solder lug/flat **Covers** - (pg 23)

Terminal Styles

Inches (Millimeters)



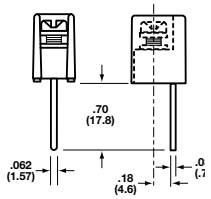
01
Handwired #6-32 screw
51
#8-32 screw



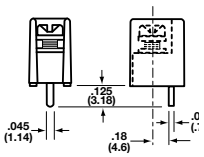
02
Printed Circuit #6-32 screw
52
#8-32 screw



03
Non Feed-Thru #6-32 screw
53
#8-32 screw
Available on Mount End (5) only.

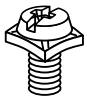


07
Extended Pin #6-32 screw
57
#8-32 screw

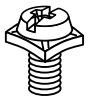


14
Printed Circuit #6-32 screw
64
#8-32 screw

Screw Options



07
Steel SEMS
Zinc Plated

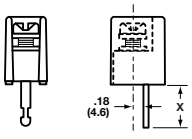


09
Brass SEMS
Nickel Plated

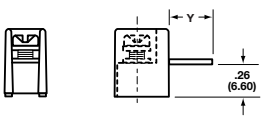
NOTE: Wire ready screws standard on all terminal styles.

CB3 Terminal Exit Options

Inches (Millimeters)



Exit Rear (std.)

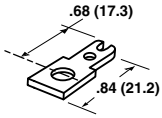


EB
Exit Back

Series CB3000
Single Row Terminal Blocks

Hardware Options (Bulk ordering part numbers are in parentheses.) Inches (Millimeters)

Solder Lugs

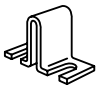


S1
(2S1)

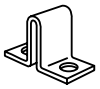
Jumpers



J201
Flat slip-on

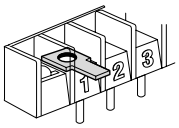


OJ3

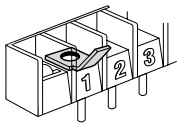


OJ7

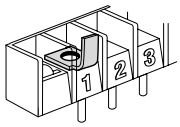
Quick Connects
Blade Width A = .250". Blade Width B = .187".



A7 & **B7**
(2A7 & **2B7)**



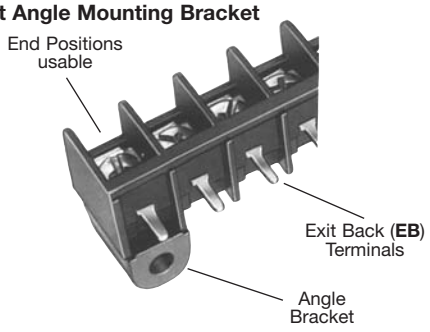
A8 & **B8**
(2A8 & **2B8)**

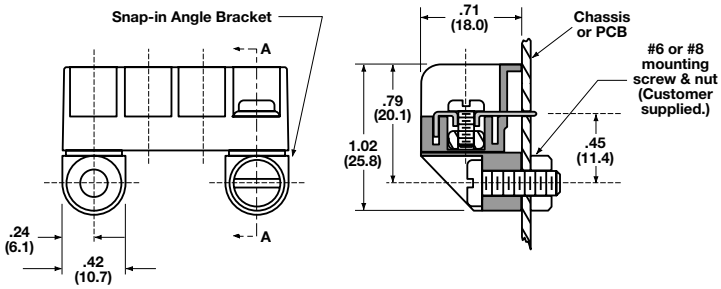


A9 & **B9**
(2A9 & **2B9)**

Mounting Options Inches (Millimeters)

Right Angle Mounting Bracket

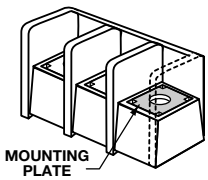


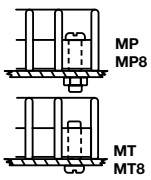


Option AB

Mounts blocks on PC boards at a right angle.
- Protects solder joints.
- Recommended for all EB (Exit Back) PCB terminal blocks.
- Bracket snaps securely on block (no hardware required).
- Minimum strip length (end positions are usable).
- Mount with #6-32 or #8-32 screws (not supplied).

Mounting Plates





Options MP, MP8, MT & MT8
MP Metal inserts with .150" dia. hole accept #6 screw.
MP8 Metal inserts with .187" dia. hole accept #8-32 screw.
MT Metal inserts with tapped hole accept #6-32 screw.
MT8 Metal inserts with tapped hole accept #8-32 screw.