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: 0.437" or 7/16" (11.10mm)
Screw Size: #6-32 zinc-plated philslot screws.
Torque Rating: 9 lb-in.
Base: Standoffs standard for easy flux washing.
Distance Between Barriers: 0.32" (8.1mm)
Recommended PCB Hole Diameter: 0.076" (1.93mm)
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 File E62622, CSA 47235; IEC Compliance, CE Certified

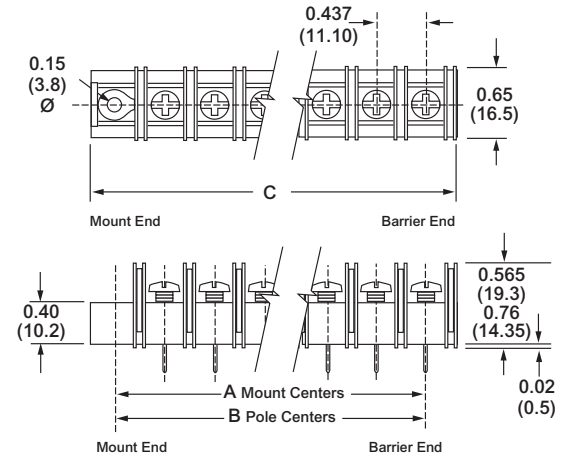
*30A Rating achieved with a #10 copper wire crimped to a ring terminal; 20 Rating without ring terminal.

	MOUNTING ENDS ONLY		BARRIER & MOUNTING ENDS	BARRIER ENDS ONLY
Poles	A Mount Ctrs.	C Length	B Pole Ctrs.	C Length
02	1.31	1.73	0.43	0.98
03	1.75	2.17	0.87	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

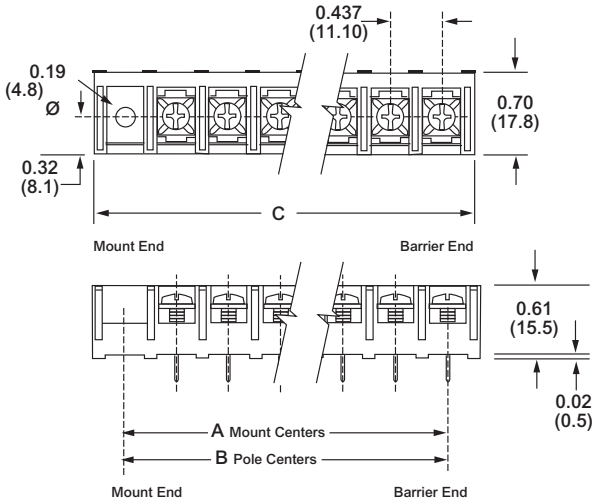
Dimensions in inches. To convert to millimeters, multiply by 25.4.

Dimesions - in (mm)

A3000 & LP3000 Series



CB3000 Series



COOPER Bussmann

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** - 0.250 QC short **10** - 0.187 QC **14** - printed circuit **19** - 0.250 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	**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) **07WR** - steel SEMS wire ready (A3 only) **CA** - captive screw	**AB** - angle mnt. options (pg 15) **A1** to **A9** - 0.250" QC **B1** to **B9** - 0.187" 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

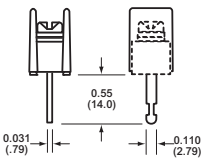
*Base/End Note: 5 Style only available with 03 terminals.

ready (A3 only)

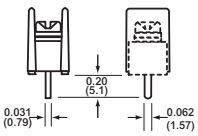
†Contact factory for configuration.

Terminal Styles

Inches (Millimeters)

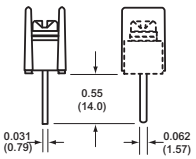


01
Handwired

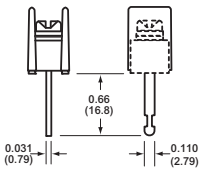


02
Printed Circuit

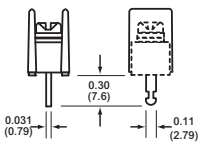
03
Non Feed-Thru



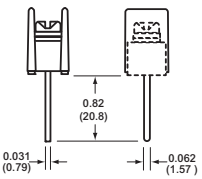
04
Wire Wrap Tail



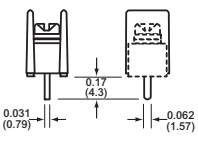
05
Extended Handwired



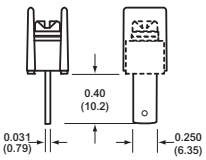
06
Handwired



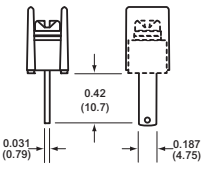
07
Extended Pin



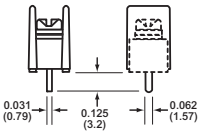
08
Printed Circuit



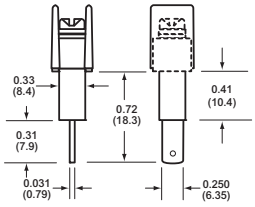
09
0.250˝ QC Short



10
0.187˝ QC



14
Printed Circuit



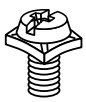
19
0.250˝ QC Long

Screw Options

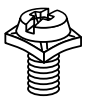
Standard
Zinc-Plated Steel

03
Stainless Steel

04
Brass
Nickel-Plated



07
Steel SEMS
Zinc-Plated
(F523-J)



09
Brass SEMS
Nickel-Plated

07WR
Wire Ready
(A3 only)

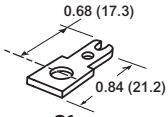
Series A3000 & LP3000

Single Row Terminal Blocks *Continued*

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

Inches (Millimeters)

Solder Lugs



S1
(2S1-J)

†**J201**
Flat slip-on
(**J201-J**)

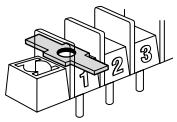
Jumpers

†**OJ3**
(OJ3-J)

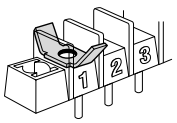
†**OJ7**
LP3 Only
(OJ7-J)

†**OJ5**
(OJ5-J)

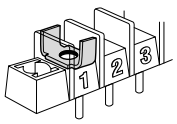
Quick Connects
Blade Width A = 0.250" Blade Width B = 0.187"



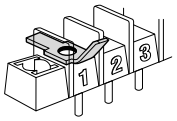
A1 & **B1**
(2A1-J & **2B1-J)**



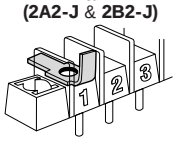
A2 & **B2**
(2A2-J & **2B2-J)**



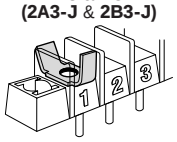
A3 & **B3**
(2A3-J & **2B3-J)**



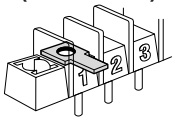
A4 & **B4**
(2A4-J & **2B4-J)**



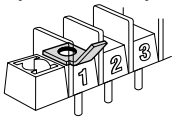
A5 & **B5**
(2A5-J & **2B5-J)**



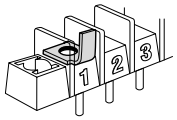
A6 & **B6**
(2A6-J & **2B6-J)**



A7 & **B7**
(2A7-J & **2B7-J)**



A8 & **B8**
(2A8-J & **2B8-J)**

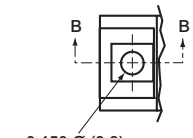


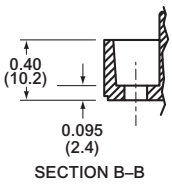
A9 & **B9**
(2A9-J & **2B9-J)**

†Contact factory for pole configuration.

Base/End Options

Inches (Millimeters)





1, 3 & 5 Mount End

COOPER Bussmann

Series A3000 & LP3000

Single Row Terminal Blocks *Continued*

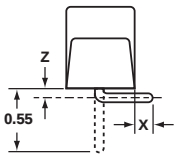
Mounting Options

Inches (Millimeters)

Right Angle Bends (A3, LP3 only)

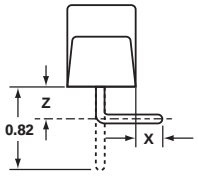
Right angle terminals are offered on the A3000 & LP3000 Series. Configurations are defined in these dimensions: X = pin extension beyond the block base; Z = length from block base to centerline of the terminal tip. Standard bends consist of the X and Z dimensions shown in the chart. Specify by adding the selected Bend Option Code to the terminal part number.

04 Terminal Bend Configurations



Bend Option Code	X (minimum)	Z	Available w/insulator base
R30	0.04	0.28	No
R35	0.01	0.23	No
R36	0.02	0.22	No
R39	0.05	0.19	No
R42	0.08	0.16	No
R46	0.12	0.12	No
R48	0.14	0.10	No
R50	0.16	0.08	No

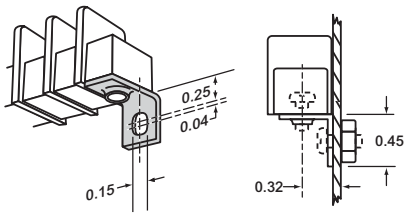
07 Terminal Bend Configurations



Bend Option Code	X (minimum)	Z	Available w/insulator base
R30	0.04	0.55	Yes
R35	0.01	0.50	Yes
R36	0.02	0.49	Yes
R50	0.16	0.35	No
R53	0.19	0.32	No
R66	0.32	0.19	No
R69	0.35	0.16	No
R75	0.41	0.10	No
R77	0.43	0.08	No

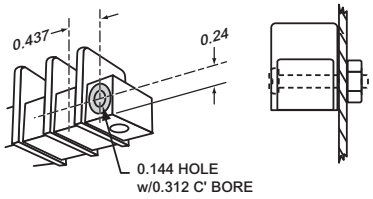
Dimensions in inches. To convert to millimeters, multiply by 25.4.

Angle Brackets (A3, LP3 only)



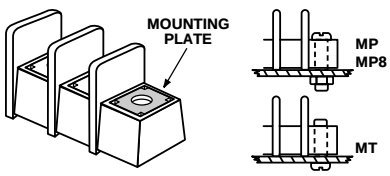
Option AB
Angle brackets enable block to be fastened at right angles to normal mount position. Bulk part number **2AB-J**.

Drilled Right Angle (A3, LP3 only)



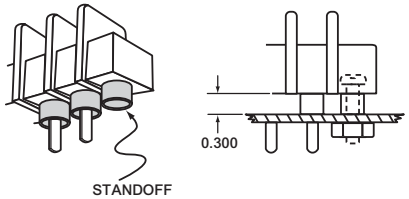
Option DR
Counterbored holes across mount ends of block enable fastening with two screws at right angles to normal mount position.

Mounting Plates



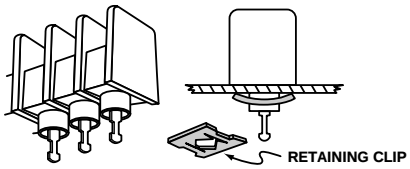
Options MP, MP8 & MT
MP Metal inserts with 0.150" dia. hole accept #6 screw. **MP8** Metal inserts with 0.187" dia. hole accept #8-32 screw. **MT** Metal inserts with tapped hole accept #6-32 screw.

Standoffs



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

Retaining Clip



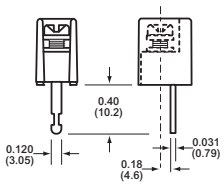
Option RC
Use on standoff tubes. Fit panels up to 0.125" thick. Two clips for every five positions. Supplied unassembled. Bulk part number **H541-J**.

Series CB3000
Single Row Terminal Blocks

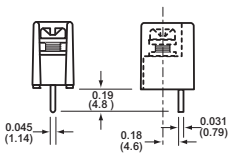
Part Numbering System

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 (standard) **09** - brass SEMS nickel-plated **CA** - SEMS captive	**AB** - angle mounting brackets (pg 17) **A7** to **A9** - 0.250" QC **B7** to **B9** - 0.187" 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) †Contact factory for configuration.

Terminal Styles
Inches (Millimeters)

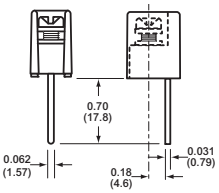


01
Handwired #6-32 screw
51
#8-32 screw

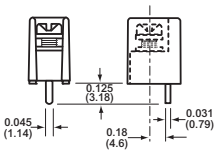


02
Printed Circuit #6-32 screw
52
#8-32 screw

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

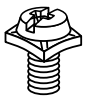


07
Extended Pin #6-32 screw
57
#8-32 screw

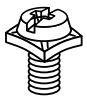


14
Printed Circuit #6-32 screw
64
#8-32 screw

Screw Options



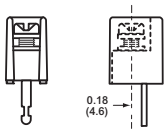
07
Steel SEMS
Zinc-Plated
(standard)



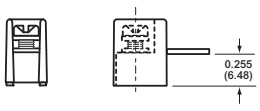
09
Brass SEMS
Nickel-Plated

**** NOTE: Wire ready screws standard on all terminal styles.***

CB3 Terminal Exit Options
Inches (Millimeters)



Exit Rear (std.)



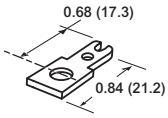
EB
Exit Back

COOPER Bussmann

Series CB3000
Single Row Terminal Blocks *Continued*

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

Solder Lugs



S1
(2S1-J)

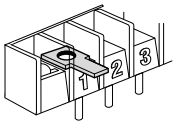
Jumpers

†**J201**
Flat slip-on
(**J201-J**)

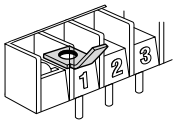
†**OJ3**
(OJ3-J)

†**OJ7**
(OJ7-J)

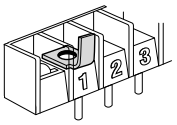
Quick Connects
Blade Width A = 0.250". Blade Width B = 0.187".



A7 & **B7**
(2A7-J & **2B7-J)**



A8 & **B8**
(2A8-J & **2B8-J)**

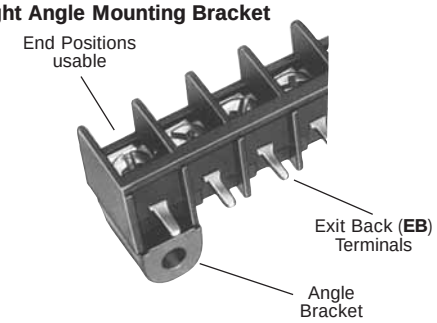


A9 & **B9**
(2A9-J & **2B9-J)**

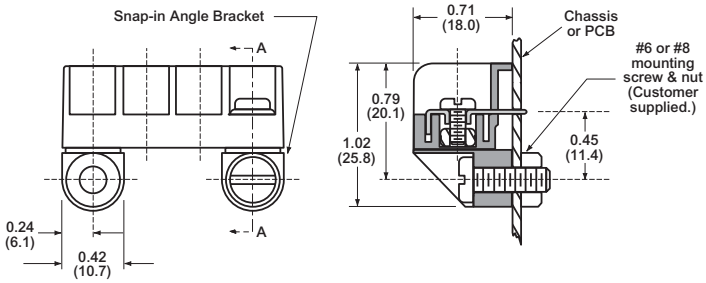
†Contact factory for pole configuration.

Mounting Options Inches (Millimeters)

Right Angle Mounting Bracket

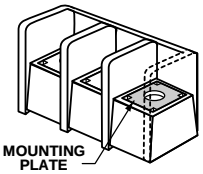


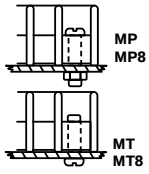
Mounts blocks on PC boards at a right angle.
- Protects solder joints.
- Recommended for all EB (Exit Back) PCB terminal blocks.
- Bracket snaps securely on block (no hardware required).
- Minimum strip length (end positions are usable).
- Mount with #6-32 or #8-32 screws (not supplied).



Option AB

Mounting Plates

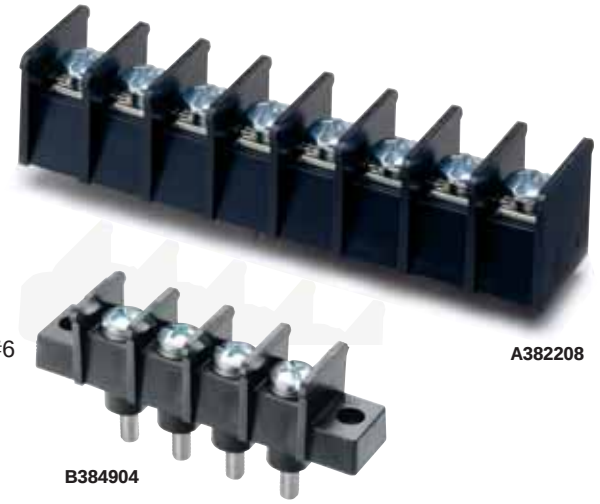




Options MP, MP8, MT & MT8
MP Metal inserts with 0.150" dia. hole accept #6 screw.
MP8 Metal inserts with 0.187" dia. hole accept #8-32 screw.
MT Metal inserts with tapped hole accept #6-32 screw.
MT8 Metal inserts with tapped hole accept #8-32 screw.

Series A38 / B38

Single Row Terminal Blocks



A382208

B384904

SPECIFICATIONS

Rating: A38: 30A, 600V
B38: 50A, 300V
Center Spacing: 0.437" (11.10mm)
Wire Range: A38: #10-22 AWG CU; B38: #8-16 AWG
Screw Size: #8-32 zinc-plated steel
Torque Rating: A38: 9 lb-in; B38: 15 lb-in for #8, 9 lb-in for #6
Base: A38 Only: Standoffs standard for easy flux washing
Distance Between Barriers: 0.378" (9.60mm)
Recommended PCB Hole Diameter (A38): 0.076" (1.93mm)
Operating Temperature: 221°F (105°C)
Molded Material: Black, UL Rated 94V0 Thermoplastic
Breakdown Voltage: 5000V
Agency Information: UL File E62622, CSA File 47235; CE Certified

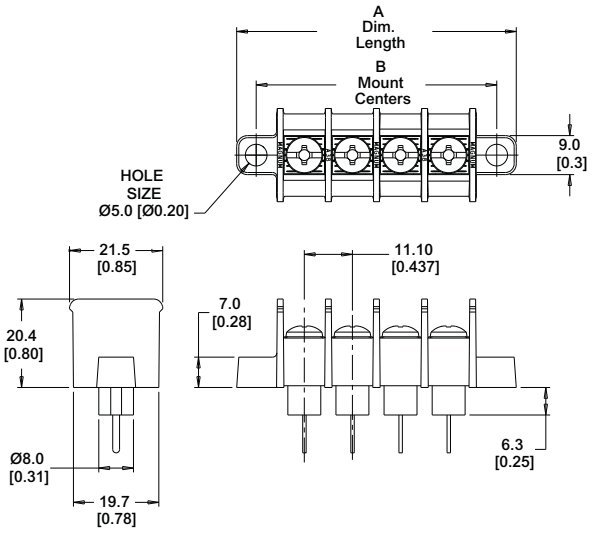
TABLE A

Poles	MOUNTING ENDS ONLY B Mount Ctrs.	MOUNTING ENDS ONLY "A" Dim. Length	BARRIER ENDS ONLY "A" Dim. Length
02	1.31	1.67	0.93
03	1.75	2.10	1.37
04	2.19	2.54	1.81
05	2.62	2.98	2.25
06	3.06	3.41	2.68
07	3.50	3.85	3.12
08	3.93	4.29	3.56
09	4.37	4.72	3.99
10	4.81	5.16	4.43
11	5.24	5.60	4.87
12	5.68	6.04	5.30
13	6.12	6.47	5.74
14	6.56	6.91	6.18
15	6.99	7.35	6.61
16	7.43	7.78	7.05

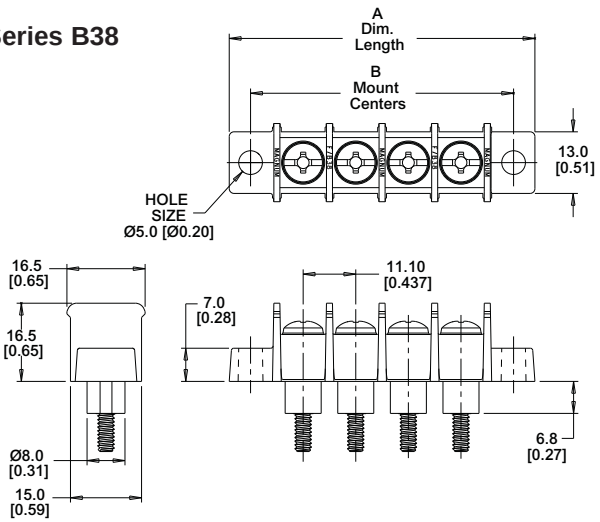
* Dimensions in inches. To convert to millimeters, multiply by 25.4.

Dimensions - in (mm)

Series A38



Series B38



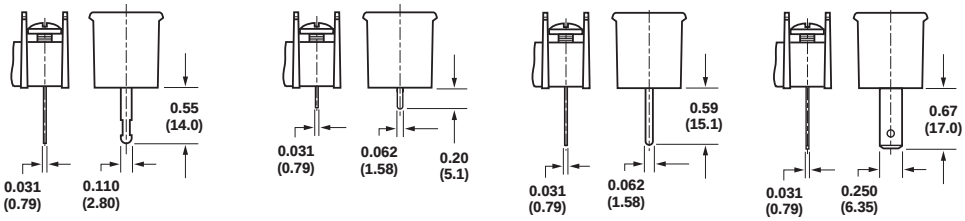
COOPER Bussmann

Part Numbering System

Series	Terminal Style	Base/End	# of Poles	Screw Options	Options
A38	☐	☐	☐☐	☐☐	☐☐
	0 - 0.187˝ QC **1** - hand wired **2** - printed circuit **7** - extended wire wrap **9** - 0.250" QC	**1** - flat base, mount end **2** - flat base, barrier end **3** - insulator base* mount end **4** - insulator base* barrier end *N/A on 2 terminal style.	**02** to **16**	Blank - standard screw (steel zinc-plated, philslot BHMS) **04** - brass, nickel-plated, philslot BHMS **07** - steel, SEMS zinc-plated philslot screw **92** - steel, zinc-plated slotted BHMS **94** - brass, nickel-plated slotted BHMS (Binding Hard Machine Screw)	**L1** to **L6** marking options (pg 22) **RC** - retaining clips (pg 15) **Covers** - (pg 23)
B38	☐	☐	☐☐	☐☐	☐☐
	1 - long turret **2** - short turret **3** - screw terminal #6-32 screw top & bottom) **4** - stud (#8-32 screw top, #6-32 stud bottom) †**5** - double stud (#6-32 stud top & bottom) †C360 Copper alloy (bright tin plate)	**0** - flat base, mount ends **4** - insulator base, barrier ends **9** - insulator base mount ends	**02** to **16**	**Blank** - standard screw steel zinc-plated philslot BHMS) **04** - brass, nickel-plated, philslot BHMS #8-32 *__34__ - #6-32 nickel-plated brass philslot BHMS *Note: 34 screws only *available with 3 terminal style.	**L1** to **L6** marking options (pg 23) **RC** - retaining clips (pg 16)

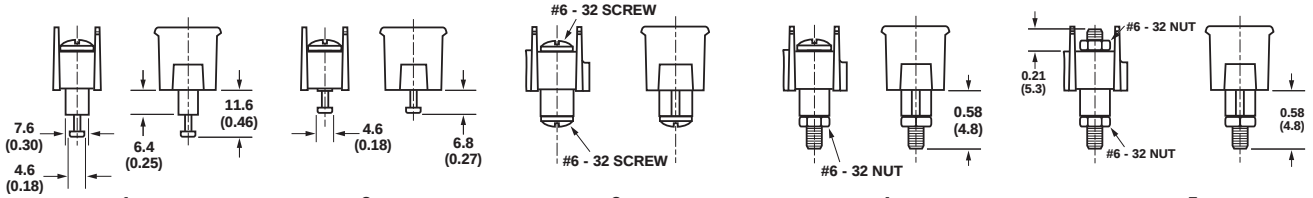
A38 Terminal Styles **Wire ready screws standard**

Inches (Millimeters)



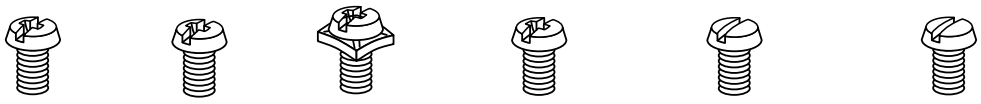
1 Handwired | **2** Printed Circuit | **7** Extended Pin | **9** 0.250" QC

B38 Terminal Styles



1 Long Turret | **2** Short Turret | **3** Screw Terminal | **4** Stud | **5** Double Stud

Screw Options



Standard Zinc-Plated Steel | **04** Brass Nickel-Plated | **07** Steel SEMS Zinc-Plated | **34** Nickel-Plated Brass Philslot BHMS | **92** Slotted, Zinc-Plated Steel | **94** Slotted, Nickel-Plated Brass

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Eaton:

A302205 A304203 A30710407R50AB A30710709R53AB 2A3/J A30220607 A304210R46 A30110807MP A30350607 A30540300 A30720604R53 A30711607R50 A302107MP A301116 A31931007MP A30350307MP A302116 A30220807 A30720707R50 A30740804 A31030207 A30110407MP A30350207 A30740504 A302206 A305304CA A31930807 A31930307WR A31931207 2A8/J A31931607 A30731107 A30350607MP A30310407MT A30311204 A302214L2 A30110604 A303110 A30221407 A302209 A301105 A304204R48 A31930607 A301103 A31031507MP A302211 A30210907 A30110404MT A30110804 A30221007 A30210307 A30220707 A31930907MP A304404 A31930207 A302210 A302204 A307104R50AB A302202 A303103A3L1 A31930507MP A319303 A30130403MP A309102 A31930307 A31030307 A319306 A319314 A30110507MP A30220309 A30210804MP A30130703MP A302205L1 A30730307R35 A31940207RC A30420807R46 A31930407 A30540200 A30540303 A30710407 A31930207MP A303506 A302207 A30110307 A302208 A31931009MP A30540203 A30220407 A301104 A31931909MP A30210207 A302214 A302107 A30220207 A30130403 A30220404 A30221307CA A302218 A307105R50ABCC A305106