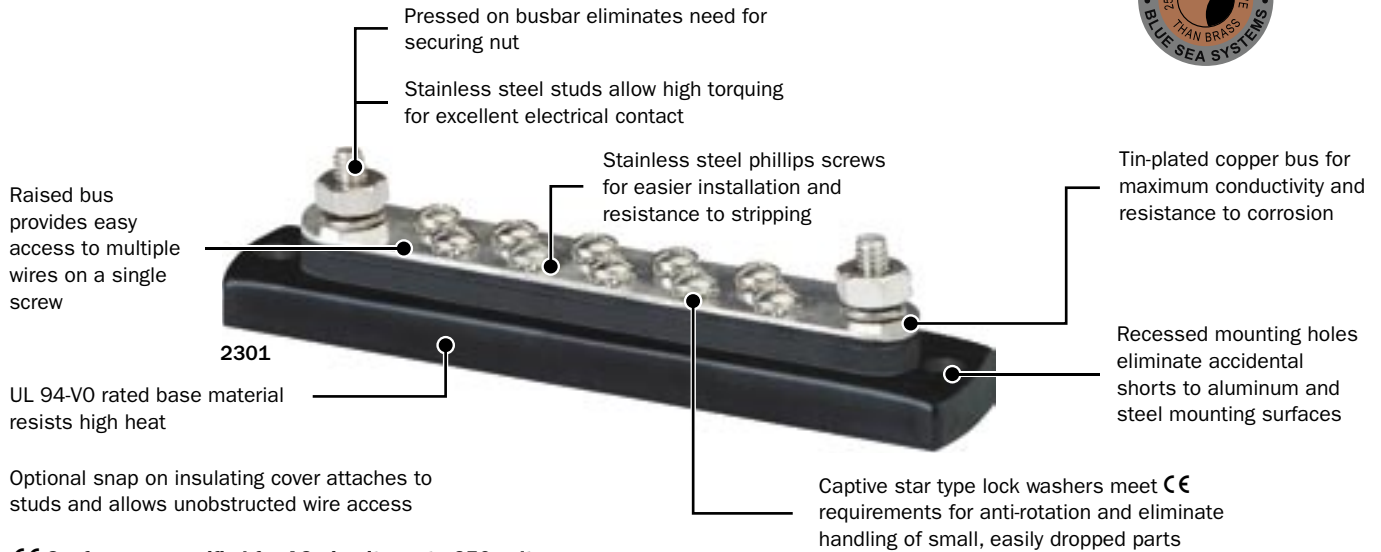


Updated Version Available January, 2006

Redesign of Popular 2301 150 Ampere BusBar



CE Conformance verified for AC circuits up to 250 volts

MiniBus 100 Ampere Common BusBars

• Great for limited space applications



Specifications

Continuous Amperage	100 Amperes AC/DC
Voltage Rating	300 Volts AC Maximum/48 Volts DC Maximum
Bus Material	Tin-Plated Copper CDA 110/UNS11000
Base Material	ABS
Cover Material	ABS

PN	Description	Weight Lb (Kg)
2304	5 x 8-32 Screw Terminal	0.14 (0.06)
2305	4 x 10-32 Stud Terminal	0.15 (0.07)
2306	Grounding BusBar 6 x 8-32 Screw Terminal	0.08 (0.04)
2714	Cover For MiniBus 2304 and 2305	0.03 (0.01)



2304 CE



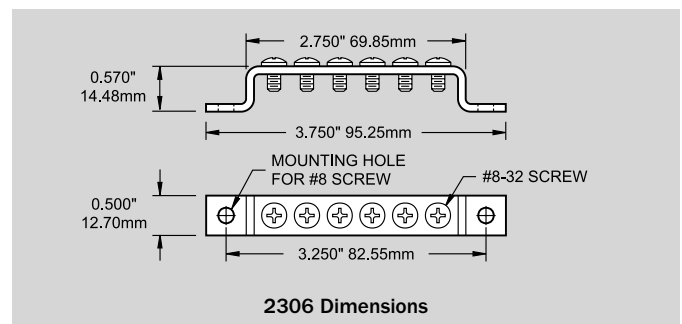
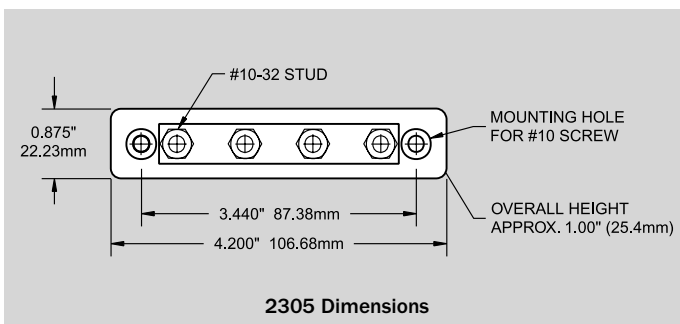
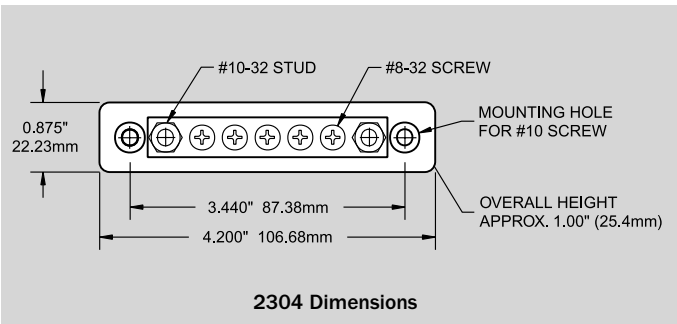
2305 CE



2306



2714



CONNECTORS



DualBus 100 Ampere Common BusBars

- Combines negative and positive buses on one block

Specifications

Continuous Amperage 100 Amperes AC/DC
 Voltage Rating 300 Volts AC Maximum/48 Volts DC Maximum
 Bus Material Tin-Plated Copper CDA 110/UNS11000
 Base Material ABS
 Cover Material ABS
 CE marked

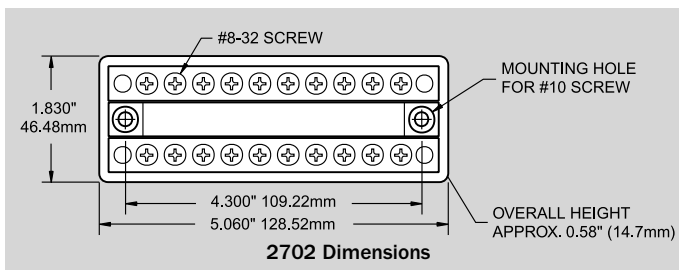
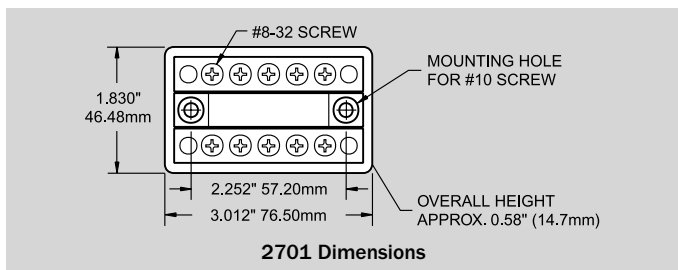


2701



2702

PN	Description	Weight Lb (Kg)
2701	5 x 8-32 Screw Terminal	0.17 (0.08)
2702	10 x 8-32 Screw Terminal	0.27 (0.12)



Cover For DualBus 100 Ampere Common BusBars

Specifications

Cover Material ABS

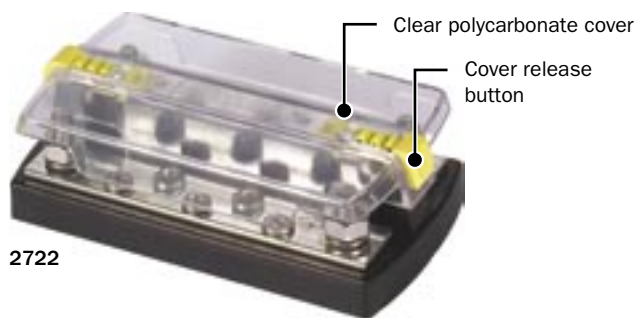


2709



2710

PN	Description	Weight Lb (Kg)
2709	Cover For DualBus 2701	0.04 (0.02)
2710	Cover For DualBus 2702	0.05 (0.02)



2722

DualBus Plus

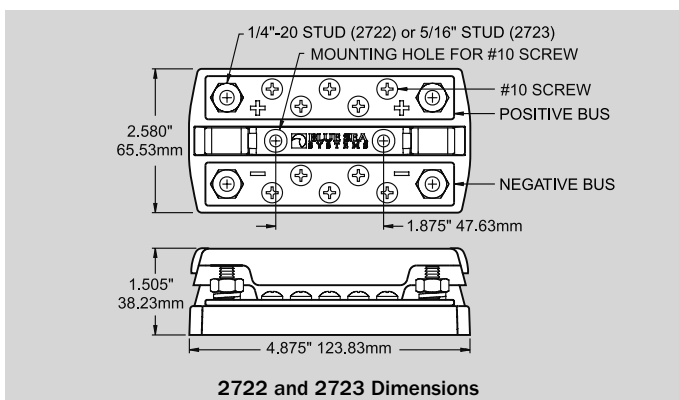
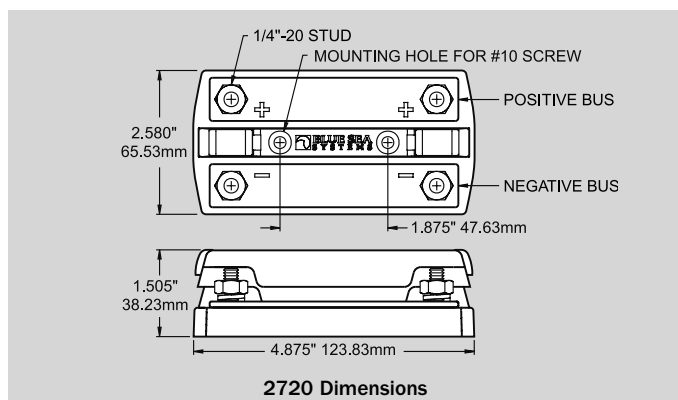
- Combines negative and positive buses on one block
- Clear polycarbonate cover snaps on to meet Coast Guard and ABYC insulation requirements

Specifications

Continuous Amperage 130 Amperes AC/150 Amperes DC
 Voltage Rating 300 Volts AC Maximum/48 Volts DC Maximum
 Bus Material Tin-Plated Copper CDA 110/UNS11000
 Base Material Reinforced Polycarbonate
 Cover Material Clear Polycarbonate



PN	Description	Weight Lb (Kg)
2720	1/4" Stud	0.61 (0.28)
2722	1/4" Stud, 5 x 10-32 Screw Terminal	0.61 (0.28)
2723	5/16" Stud, 5 x 10-32 Screw Terminal	0.61 (0.28)



150 Ampere Common BusBars

- The industry standard busbar for positive distribution (2301)
- The industry standard busbar for the collection of negative or AC ground circuits (2301)



Specifications

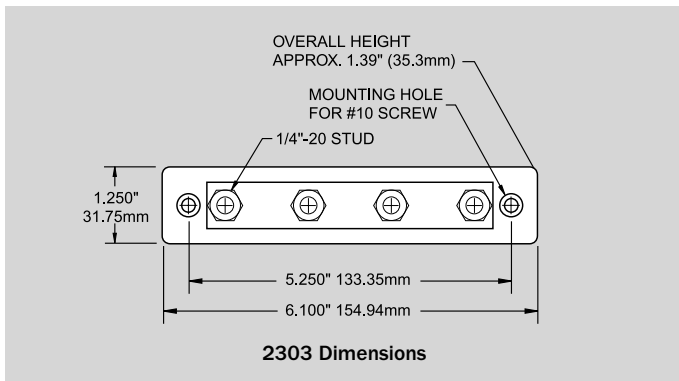
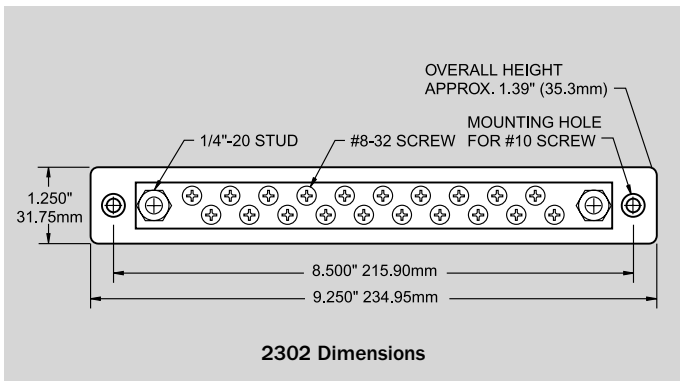
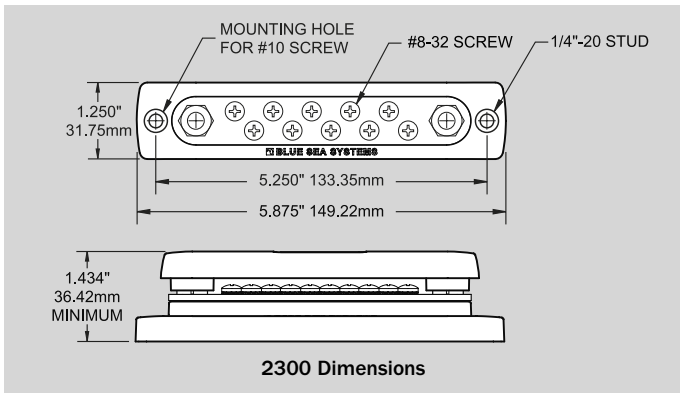
Continuous Amperage	130 Amperes AC 150 Amperes DC
Voltage Rating	300 Volts DC Maximum 48 Volts DC Maximum
Bus Material	Tin-Plated Copper CDA 110/UNS11000
Base Material	Reinforced Nylon

CE marked

PN	Description	Weight Lb (Kg)
2300	10 x 8-32 Screw Terminal with Cover	0.34 (0.15)
2301	10 x 8-32 Screw Terminal	0.28 (0.13)
2302	20 x 8-32 Screw Terminal	0.40 (0.18)
2303	4 x 1/4" Stud Terminal	0.34 (0.15)

NEW PRODUCT

UPDATED PRODUCT



CONNECTORS

Covers For 150 Ampere Common BusBars

Specifications

Cover Material ABS

PN	Description	Weight Lb (Kg)
2715	Cover For BusBar 2301 and 2303	0.07 (0.03)
2707	Cover For BusBar 2302	0.06 (0.03)

NEW PRODUCT

Note: 2715 replaces 2706





MaxiBus 250 Ampere Common BusBars

Specifications

Continuous Amperage 250 Amperes AC/DC
 Voltage Rating 300 Volts AC Maximum
 48 Volts DC Maximum
 Bus Material Tin-Plated Copper CDA 110/UNS11000
 Base Material Reinforced Polycarbonate

CE marked

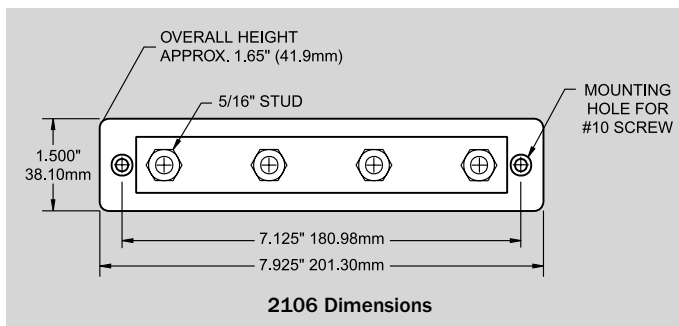
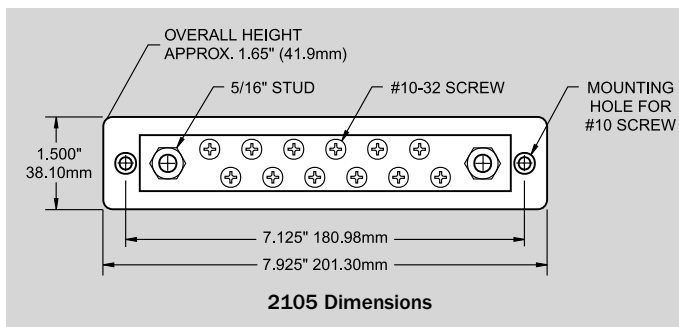


2105



2106

PN	Description	Weight Lb (Kg)
2105	12 x #10-32 Terminal Screws	0.17 (0.08)
2106	4 x 5/16" Stud Terminals	0.27 (0.12)



2711

Cover For MaxiBus 250 Ampere Common BusBars

Specifications

Cover Material ABS

PN	Description	Weight Lb (Kg)
2711	Cover For MaxiBus 2105 and 2106	0.06 (0.03)



Squalicum Harbor - Bellingham, Washington

PowerBar 600 Ampere Cable Connectors



Specifications

Continuous Amperage	545 Amperes AC 600 Amperes DC
Voltage Rating	300 Volts AC Maximum 48 Volts DC Maximum
Bus Material	Tin-Plated Copper CDA 110/UNS11000
Base Material	Reinforced Polycarbonate
CE marked	

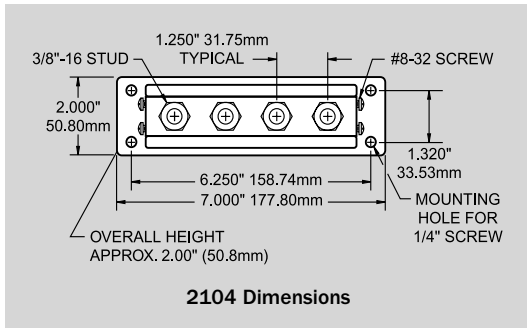
PN	Description	Weight Lb (Kg)
2104	4 x 3/8-16 Stud Terminal	1.71 (0.78)
2107	8 x 3/8-16 Stud Terminal	3.42 (1.55)



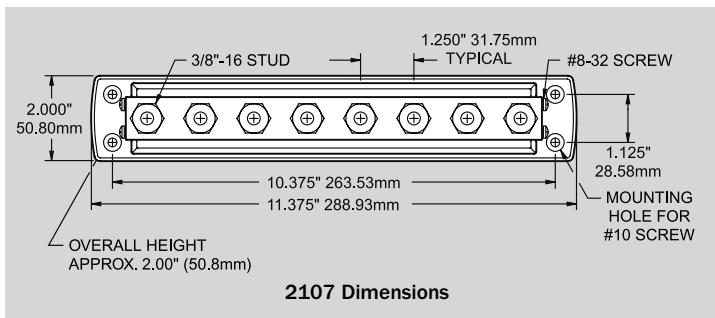
2104



2107



2104 Dimensions



2107 Dimensions

Cover For 600 Ampere Cable Connector

Specifications

Cover Material	ABS
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PN	Description	Weight Lb (Kg)
2708	Cover For PN 2104	0.09 (0.04)



2708



2104 with 1 AWG Cables

20 Ampere Terminal Blocks

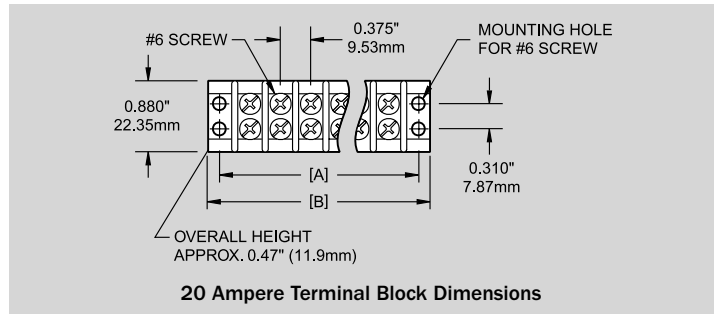
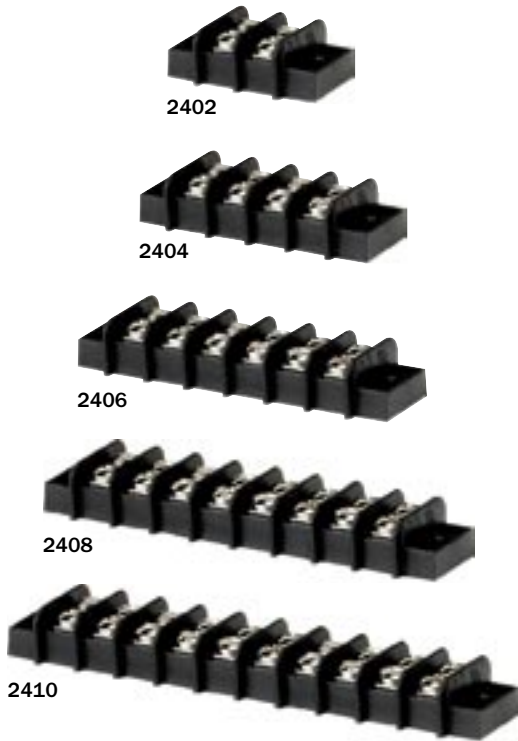
- Closed back design completely insulates power from the mounting surface
- Each screw pair is 1 isolated circuit
- Jumpers allow creation of common circuits (9218 - see page 112)

Specifications

Bus Material Nickel-Plated Brass
 Base Material Nylon
 Screw Size #6
 Continuous Rating 20 Amperes AC/DC
 Voltage Rating 300 Volts AC/DC Maximum

CE marked

PN	Circuit	Weight Lb (Kg)	[A] in" (mm)	[B] Length in" (mm)
2402	2	0.05 (0.02)	1.13 (28.70)	1.41 (35.70)
2404	4	0.06 (0.03)	1.88 (47.73)	2.16 (54.76)
2406	6	0.08 (0.04)	2.63 (66.80)	2.91 (73.82)
2408	8	0.10 (0.05)	3.38 (85.85)	3.66 (92.88)
2410	10	0.13 (0.06)	4.13 (104.90)	4.41 (111.94)



30 Ampere Terminal Blocks

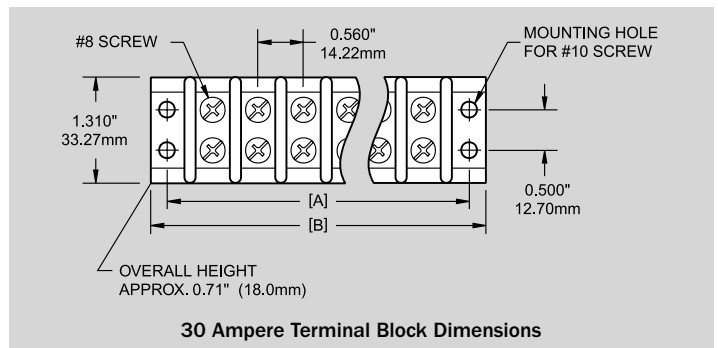
- Closed back design completely insulates power from the mounting surface
- Each screw pair is 1 isolated circuit
- Jumpers allow creation of common circuits (9217 - see page 112)

Specifications

Bus Material Nickel-Plated Brass
 Base Material Phenolic
 Screw Size #8
 Continuous Rating 30 Amperes AC/DC
 Voltage Rating 600 Volts AC/DC Maximum

CE marked

PN	Circuit	Weight Lb (Kg)	[A] in" (mm)	[B] Length in" (mm)
2502	2	0.11 (0.05)	1.69 (42.93)	2.10 (59.35)
2504	4	0.15 (0.07)	2.81 (71.37)	3.22 (87.79)
2506	6	0.21 (0.10)	3.93 (99.82)	4.34 (116.23)
2508	8	0.27 (0.12)	5.05 (128.27)	5.46 (144.67)
2510	10	0.33 (0.15)	6.17 (156.72)	6.58 (173.11)
2512	12	0.44 (0.20)	7.29 (185.17)	7.70 (201.55)



CONNECTORS

65 Ampere Terminal Blocks

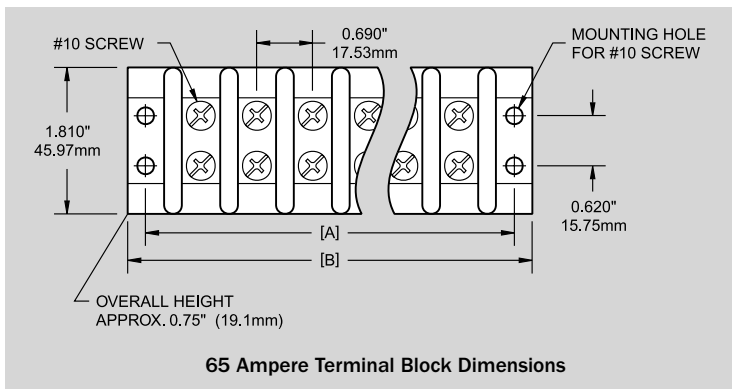
- Closed back design completely insulates power from the mounting surface
- Each screw pair is 1 isolated circuit
- Jumpers allow creation of common circuits (9216 - see below)

Specifications

Bus Material Nickel-Plated Brass
 Base Material Phenolic
 Screw Size #10
 Continuous Rating 65 Amperes AC/DC
 Voltage Rating 600 Volts AC/DC Maximum

CE marked

PN	Circuit	Weight Lb (Kg)	[A] in" (mm)	[B] Length in" (mm)
2602	2	0.15 (0.07)	2.06 (52.32)	2.50 (63.49)
2604	4	0.23 (0.11)	3.44 (87.38)	3.88 (98.55)
2606	6	0.34 (0.16)	4.82 (122.43)	5.26 (133.61)
2608	8	0.43 (0.20)	6.20 (157.48)	6.64 (168.67)
2610	10	0.52 (0.24)	7.58 (192.53)	8.02 (203.73)



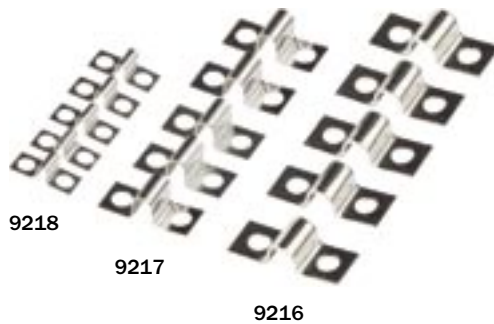
Terminal Block Jumpers

- Jumpers allow creation of common circuits on independent connectors
- 9218 - Fits 20 Ampere terminal blocks (2400 Series)
- 9217 - Fits 30 Ampere terminal blocks (2500 Series)
- 9216 - Fits 65 Ampere terminal blocks (2600 Series)

Specifications

Bus Material Nickel-Plated Brass
 Continuous Amperage Equivalent to matching block

PN	Description	Weight Lb (Kg)
9218	Terminal Block Jumpers for 2400 Series	0.03 (0.01)
9217	Terminal Block Jumpers for 2500 Series	0.04 (0.02)
9216	Terminal Block Jumpers for 2600 Series	0.05 (0.03)



CONNECTORS

Euro Style Terminal Blocks

- Stainless Steel pressure plates meet ABYC requirements for stranded wire connections without the use of crimp-on terminals
- Strips are easily cut to required length
- Screw and pressure plate construction meet ABYC pull-out strength requirements
- Nylon insulating body meets ABYC and USCG insulating requirements without the use of external covers

Specifications

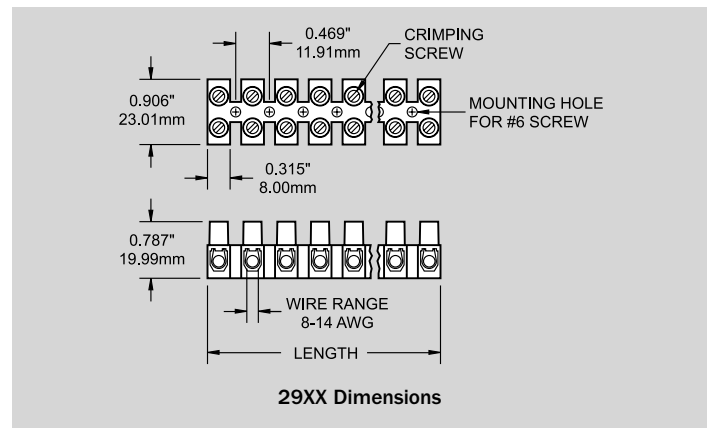
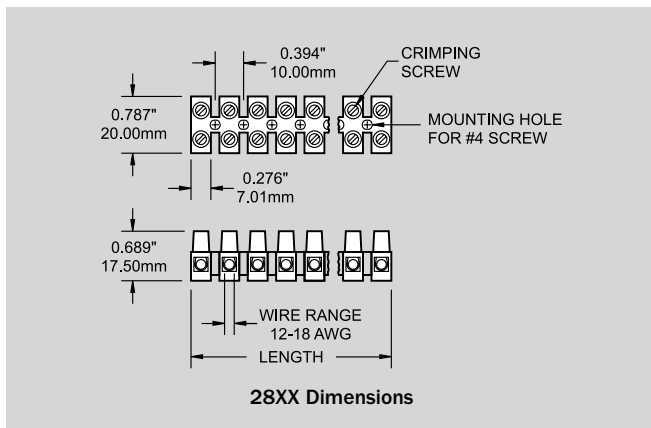
Bus Body	Nickel-Plated Brass
Clamping Screw Material	Nickel-Plated Brass
Wire protection pressure plate	Stainless Steel
Body Material	Polyamide 6 Nylon
Voltage Rating	600 Volts AC/DC Maximum
Wire Size Range PN 28XX	12-18 AWG
Wire Size Range PN 29XX	8-14 AWG
Continuous Rating PN 28XX	27 Amperes
Continuous Rating PN 29XX	45 Amperes

CE marked



27 Ampere Euro Style Connectors			
PN	Position	Weight Lb (Kg)	Length in" (mm)
2804	4	0.06 (0.14)	1.46 (37.00)
2808	8	0.09 (0.20)	3.03 (77.00)
2812	12	0.12 (0.26)	4.61 (117.00)

45 Ampere Euro Style Connectors			
PN	Position	Weight Lb (Kg)	Length in" (mm)
2904	4	0.11 (0.23)	1.46 (37.00)
2908	8	0.18 (0.39)	3.61 (91.70)
2912	12	0.25 (0.55)	5.47 (138.93)



Pressure Connections vs. Crimp Terminal Connections

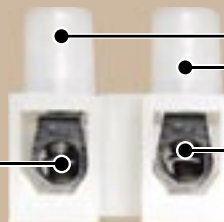
The majority of the terminations performed in marine applications are crimped barrel style. This has come to be the preferred termination method due to the high vibration environment and the fine strand of marine wire. However, pressure terminations are superior to barrel crimp terminations in marine situations where either very small wires are being used or where high quality ratcheting wire crimpers are not available.

If a pressure connector is used, it is crucial that it meets ABYC standards.

ABYC E-11.16.3.5 Connections may be made using a set screw pressure type conductor, providing a means is used to prevent the set screw from bearing directly on the conductor strands.

A well constructed pressure connector meeting ABYC Standards has the following attributes of Blue Sea Systems Euro Style Connectors:

Pressure plates protect delicate wire strands from cutting action of terminal screw. Stainless steel pressure plates are non-corrosive and exert uniform pressure to meet ABYC pull-out requirements



Nylon body meets ABYC and USCG requirements for insulation

Nickel-plated brass screw and connector body will not corrode, maintaining long term conductivity and pressure

A pressure connection that uses an ABYC compliant connector block provides a superior connection in situations where either very small wires are being used or where high quality ratcheting wire crimpers are not available.

Terminal Feed Through Connectors

Perfect for passing high current through hulls, decks and bulkheads. Large cables passed through holes are subject to chafing even when protective grommeting is used. Terminal Feed Through Connectors eliminate chafing and provide excellent strain relief for the cables. The large terminals have a mounting face that can be gasketed or bedded to provide a water tight installation.

Specifications

Voltage Rating 48 Volts DC Maximum
 Base Material Reinforced Thermoplastic
 Stud Material Tin-Plated Copper Alloy

PN	Size	Description	Continuous Amperage	Color	Weight Lb (Kg)
2201	Small	5/16"-18 Stud	250A	Black	0.23 (0.10)
2202	Small	5/16"-18 Stud	250A	Red	0.23 (0.10)
2203	Small	3/8"-16 Stud	250A	Black	0.23 (0.10)
2204	Small	3/8"-16 Stud	250A	Red	0.23 (0.10)
2205	Large	3/8"-16 Stud	400A	Black	0.69 (0.31)
2206	Large	3/8"-16 Stud	400A	Red	0.69 (0.31)
2207	Large	1/2"-13 Stud	400A	Black	0.69 (0.31)
2208	Large	1/2"-13 Stud	400A	Red	0.69 (0.31)



2201



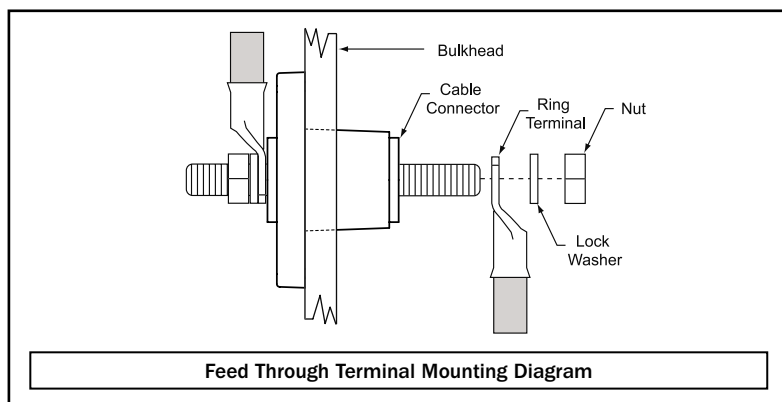
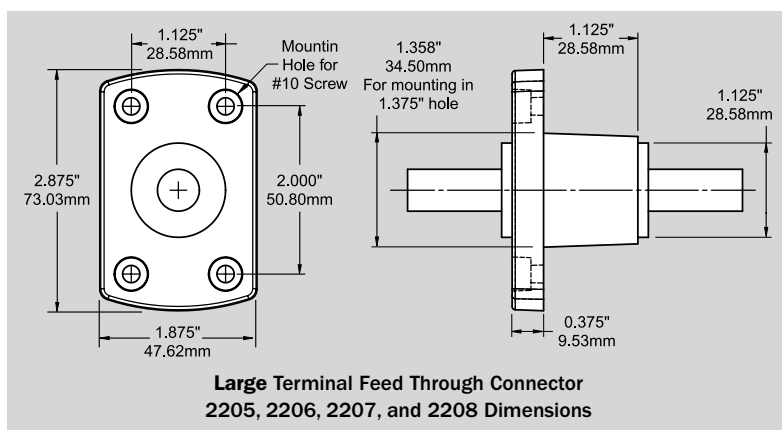
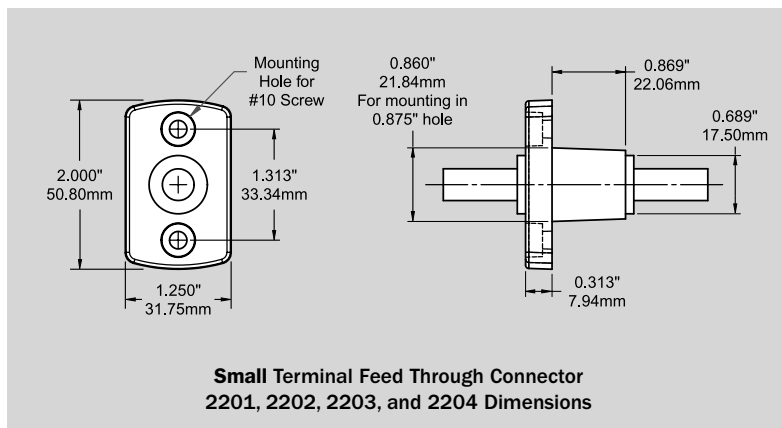
2202



2207



2208



CONNECTORS

PowerPost High Amperage Cable Connectors

- Connects high amperage cables securely

Specifications

Continuous Amperage Not rated - Amperage flows between terminals stacked on post and is determined by wire and terminals used.
 Voltage Rating 48 Volts DC Maximum
 Base Material Reinforced Thermoplastic
 C E marked

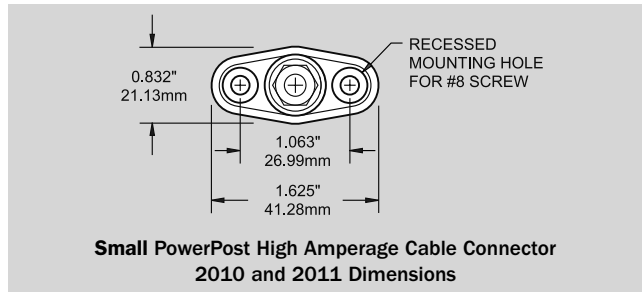


2010

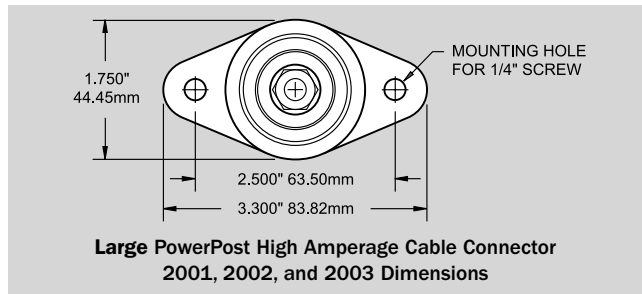


2003

PN	Size	Description	Weight Lb (Kg)
2010	Small	#10-32 x 5/8" stud	0.06 (0.03)
2011	Small	1/4" x 3/4" Stud	0.08 (0.04)
2001	Large	1/4" x 1-1/16" Stud	0.21 (0.10)
2002	Large	5/16" x 7/8" Stud	0.23 (0.11)
2003	Large	3/8" x 7/8" Stud	0.27 (0.12)



Small PowerPost High Amperage Cable Connector
2010 and 2011 Dimensions



Large PowerPost High Amperage Cable Connector
2001, 2002, and 2003 Dimensions

PowerPost Plus Cable Connectors

- 150 Ampere bus allows small wire connections at high amperage cable connections

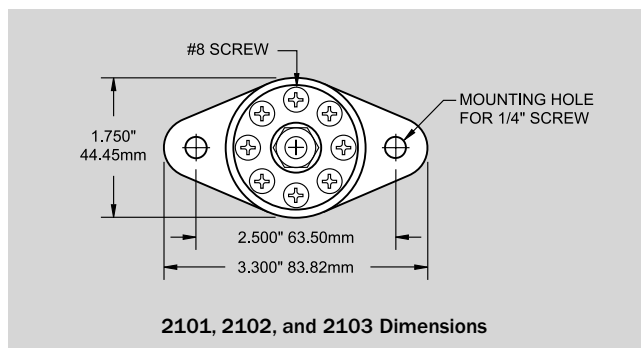
Specifications

Bus Continuous Amperage 150 Amperes AC/DC
 Voltage Rating 48 Volts DC Maximum
 Bus Material Tin-Plated Copper
 Base Material Reinforced Thermoplastic
 C E marked



2103

PN	Description	Weight Lb (Kg)
2101	1/4" x 1" Stud	0.29 (0.13)
2102	5/16" x 3/4" Stud	0.30 (0.14)
2103	3/8" x 3/4" Stud	0.34 (0.15)



2101, 2102, and 2103 Dimensions

CONNECTORS