BusBars, Connectors, and Insulators

BusBars and PowerPosts provide a safe and convenient way to insulate circuit wires and connect them together. Feed Through Connectors and CableClams enable the boater to safely pass wires through a bulkhead or deck. Insulated continuously-energized non-grounded conductors protect against accidental short circuits and shock hazards.

BusBars, Connectors, and Insulators Table of Contents

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CABLECAPS
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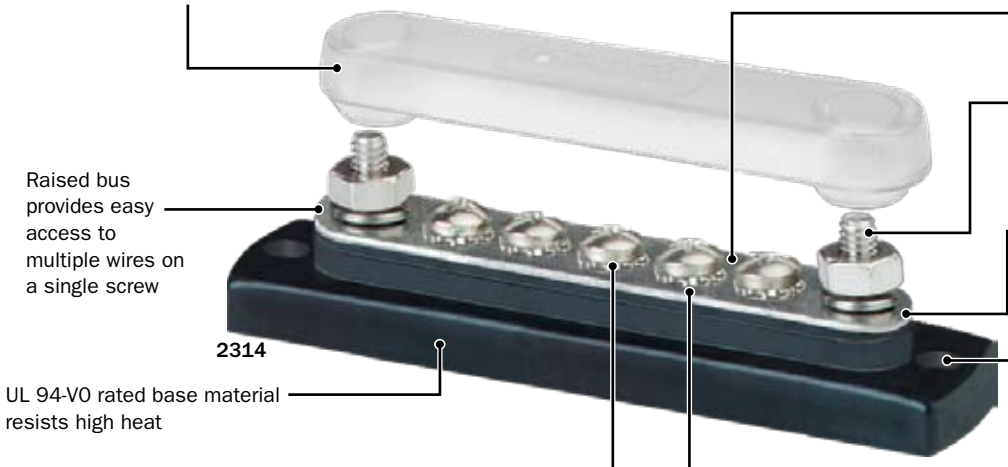
The Industry Standard for Electrical BusBars



CE Conformance verified for AC circuits up to 250 volts

MiniBus 100 Ampere Common BusBars

Provides convenient busing for limited space applications

Specifications

I_C	Continuous Rating	100 Amperes AC/DC
V_{mxo}	Voltage Maximum Operating	300 Volts AC/48 Volts DC
Mounting Holes		Accepts #10 (M5) Screws*
Bus Material		Tin-Plated Copper CDA 110/UNS11000

Regulatory

·CE certified (2304 and 2305 Only)

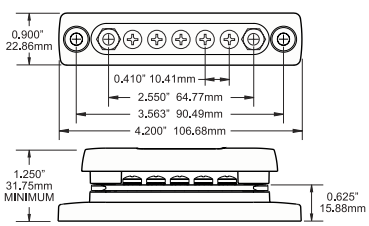

2713


2304

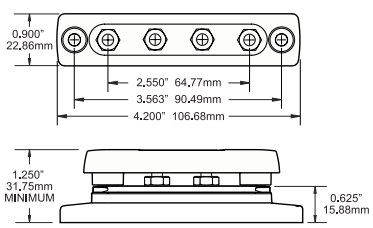

2305


2306

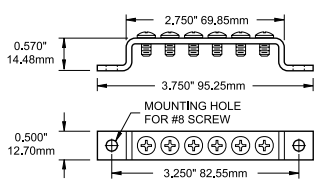
PN	Cover	Terminal Screw	Terminal Stud	Weight lb (kg)
2304	-	5 × #8-32	2 × #10-32	0.15 (0.07)
2314	Yes	5 × #8-32	2 × #10-32	0.17 (0.08)
2305	-	-	4 × #10-32	0.15 (0.07)
2315	Yes	-	4 × #10-32	0.17 (0.08)
2306	-	6 × #8-32	-	0.10 (0.05)
2713	Cover For MiniBus 2304 and 2305			0.05 (0.02)



2304 and 2314



2305 and 2315



2306

* 2306 Mounting Holes Accept #8 Screws

Specifications subject to change. See www.bluesea.com for current information.

DualBus 100 Ampere Common BusBars

Combines negative and positive buses on one block

Specifications

I_C	Continuous Rating	100 Amperes AC/DC
V_{mxo}	Voltage Maximum Operating	300 Volts AC/48 Volts DC
Mounting Holes		Accept #10 (M5) Screws
Bus Material		Tin-Plated Copper CDA 110/UNS11000

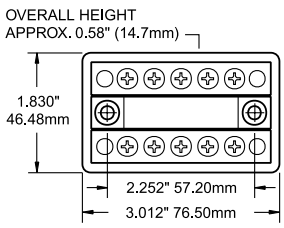
Regulatory

- CE Certified

PN	Screw Terminal	Weight lb (kg)
2701	5 × #8-32	0.20 (0.09)
2702	10 × #8-32	0.30 (0.14)
2709	Cover For DualBus 2701	0.05 (0.02)
2710	Cover For DualBus 2702	0.05 (0.02)

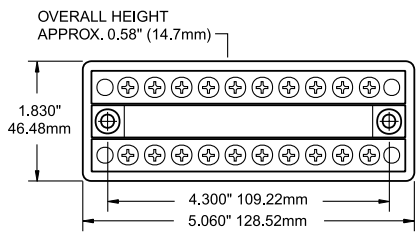
2709

2701



2701

2710



2702

2702

DualBus Plus 150 Ampere Common BusBars

Secure, clear polycarbonate cover snaps on easily to meet USCG and ABYC insulation requirements

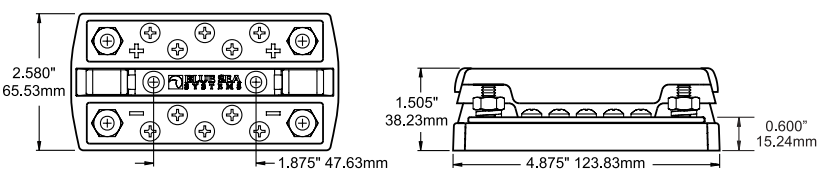
- Combines negative and positive buses on one block
- Cover release button

Specifications

I_C	Continuous Rating	130 Amperes AC/150 Amperes DC
V_{mxo}	Voltage Maximum Operating	300 Volts AC/48 Volts DC
Mounting Holes		Accept #10 (M5) Screws
Bus Material		Tin-Plated Copper CDA 110/UNS11000

PN	Terminal Screw	Terminal Stud	Weight lb (kg)
2722	5 × #10-32	1/4"-20 Stud	0.66 (0.30)
2723	5 × #10-32	5/16" Stud	0.61 (0.28)

2722



2722 and 2723

150 Ampere Common BusBars

Insert molded stainless steel stud eliminates need for securing nut and allows high torquing for excellent electrical contact

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

Specifications

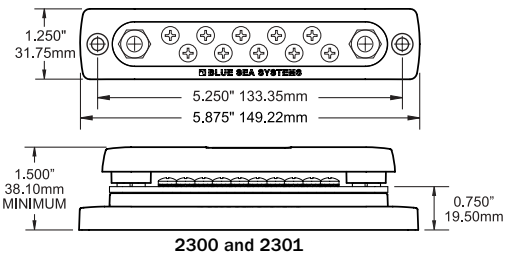
I_c	Continuous Rating	130 Amperes AC/150 Amperes DC
V_{mxo}	Voltage Maximum Operating	300 Volts AC/48 Volts DC
Mounting Holes		Accepts #10 (M5) Screws
Bus Material		Tin-Plated Copper CDA 110/UNS11000

Regulatory

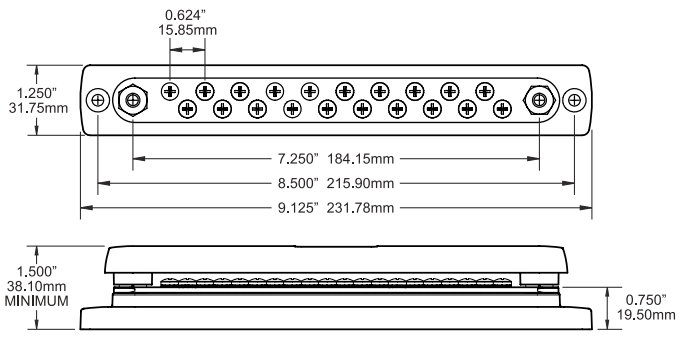
- CE certified

PN	Cover	Terminal Screw	Terminal Stud	Weight lb (kg)
2301	-	10 × #8-32	2 × 1/4"-20	0.34 (0.15)
2300	Yes	10 × #8-32	2 × 1/4"-20	0.37 (0.16)
2302	-	20 × #8-32	2 × 1/4"-20	0.53 (0.24)
2312	Yes	20 × #8-32	2 × 1/4"-20	0.58 (0.26)
2303	-	-	4 × 1/4"-20	0.35 (0.16)
2307	Yes	-	4 × 1/4"-20	0.38 (0.17)
2715	Cover For BusBar 2301 and 2303			0.07 (0.03)
2716	Cover For BusBar 2302			0.13 (0.06)

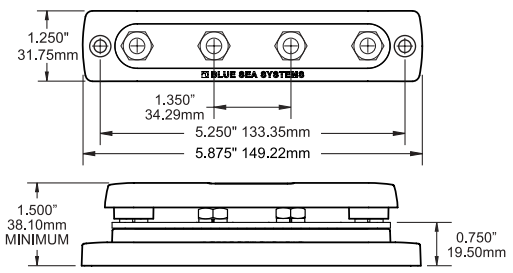
Note: 2715 replaces 2706 / 2716 replaces 2707



2300 and 2301



2302 and 2312



2303 and 2307

2301

2300

2302

2312

2303

2307

2715

2716

MaxiBus 250 Ampere Common BusBars

Designed for heavy duty positive or negative busing

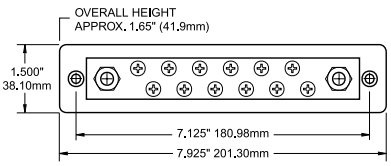
Specifications

I_C	Continuous Rating	250 Amps AC/250 Amps DC
V_{mxo}	Voltage Maximum Operating	300 Volts AC/48 Volts DC
Mounting Holes		Accepts #10 (M5) Screws
Bus Material		Tin-Plated Copper CDA 110/UNS11000

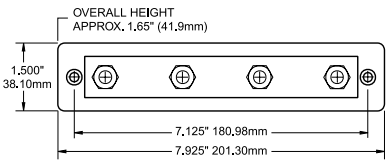
Regulatory

· CE certified

PN	Terminal Studs	Terminal Screws	Weight lb (kg)
2105	2 x 5/16"-18	12 × #10-32	0.80 (0.36)
2106	4 × 5/16"-18	-	0.90 (0.41)
2711	Cover For 2105 and 2106		0.06 (0.03)



2105



2106

2105

2106

2711

PowerBar 600 Ampere Common BusBars

Highest ampere rated busbar with 3/8" terminal studs

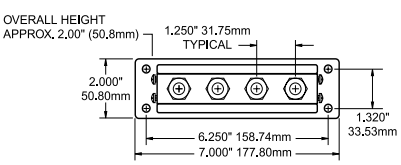
Specifications

I_C	Continuous Rating	545 Amps AC/600 Amps DC
V_{mxo}	Voltage Maximum Operating	300 Volts AC/48 Volts DC
Mounting Holes		**2104**—Accepts 1/4" Screws **2107**—Accepts #10 (M5) Screws
Bus Material		Tin-Plated Copper CDA 110/ UNS11000

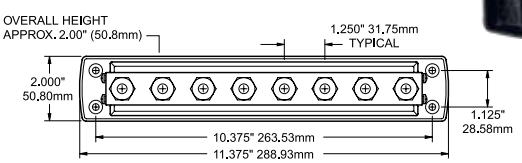
Regulatory

· CE certified

PN	Terminal Studs	Terminal Screws	Weight lb (kg)
2104	4 × 3/8" -16	4 x #8-32	1.75 (0.79)
2107	8 × 3/8" -16	4 x #8-32	2.75 (1.25)
2708	Cover For 2104		0.25 (0.11)



2104



2107

2104

2107

2708

PowerBar Common BusBar

Provides compact high-ampere busing with 3/8" terminal studs

Specifications

I_C	Continuous Rating	Amperage rating is determined by wire amperage capacity connected to the PowerBar up to 600 Amps
V_{mxo}	Voltage Maximum Operating	48 Volts DC
Mounting Holes		Accepts #10 (M5) Screws
Bus Material		Tin-Plated Copper CDA 110/UNS11000

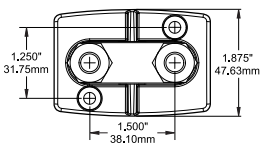
Regulatory

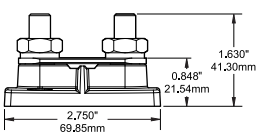
· CE certified

PN	Terminal Studs	Weight lb (kg)
2019	2 × 3/8" -16	0.36 (0.16)

NEW

2019





20/30/65 Ampere Terminal Blocks

Employs fully insulated independent terminal blocks for applications where circuits must be isolated

- Closed back design completely insulates power from the mounting surface
- Each screw pair is one isolated circuit
- Jumpers allow creation of common circuits (9216, 9217, and 9218—see below)


2404


2504


2608

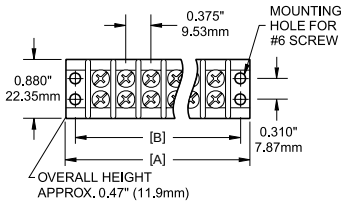
Specifications

I_C	Continuous Rating	See table below
V_{mxo}	Voltage Maximum Operating	See table below
Bus Material		Nickel-Plated Brass
Mounting Holes		See drawings below

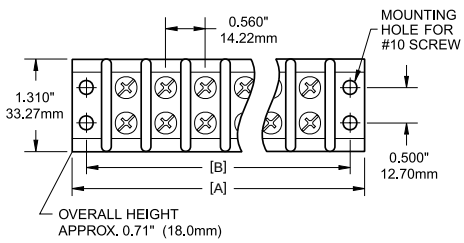
Regulatory

- CE Certified

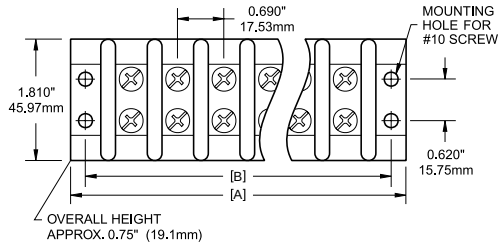
PN	Circuits	AC/DC I_C	AC/DC V_{mxo}	Terminal Screw	Drawing Number	[A] Length in (mm)	[B] Mounting Centers in (mm)	Weight lb (kg)
2402	2	20	300	#6	1	1.41 (35.81)	1.13 (28.70)	0.05 (0.02)
2404	4	20	300	#6	1	2.16 (54.86)	1.88 (47.75)	0.06 (0.03)
2406	6	20	300	#6	1	2.91 (73.91)	2.63 (66.80)	0.08 (0.04)
2408	8	20	300	#6	1	3.66 (92.96)	3.38 (85.85)	0.10 (0.05)
2410	10	20	300	#6	1	4.41 (112.01)	4.13 (104.90)	0.11 (0.05)
2502	2	30	600	#8	2	2.10 (53.34)	1.69 (42.93)	0.11 (0.05)
2504	4	30	600	#8	2	3.22 (87.79)	2.81 (71.37)	0.15 (0.07)
2506	6	30	600	#8	2	4.34 (110.24)	3.93 (99.82)	0.21 (0.10)
2508	8	30	600	#8	2	5.46 (138.68)	5.05 (128.27)	0.27 (0.12)
2510	10	30	600	#8	2	6.58 (167.13)	6.17 (156.72)	0.33 (0.15)
2512	12	30	600	#8	2	7.70 (195.58)	7.29 (185.17)	0.35 (0.16)
2602	2	65	600	#10	3	2.50 (63.49)	2.06 (52.32)	0.15 (0.07)
2604	4	65	600	#10	3	3.88 (98.55)	3.44 (87.38)	0.25 (0.11)
2606	6	65	600	#10	3	5.26 (133.61)	4.82 (122.43)	0.34 (0.16)
2608	8	65	600	#10	3	6.64 (168.67)	6.20 (157.48)	0.43 (0.20)
2610	10	65	600	#10	3	8.02 (203.73)	7.58 (192.53)	0.52 (0.24)



Drawing 1
(2402–2410)



Drawing 2
(2502–2512)



Drawing 3
(2602–2610)

Terminal Block Jumpers

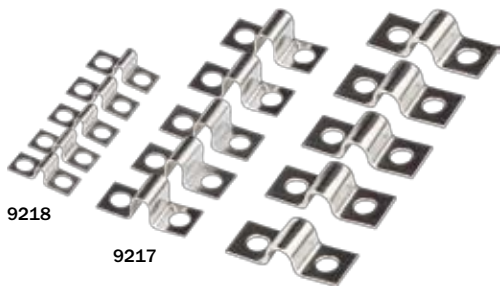
Combines independent circuits on a terminal block

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

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)


9218

9217

9216

Seamless Copper Lugs and Splices

Designed for the demanding environment of the heavy truck, industrial and marine applications. The tin-plated copper lugs and splices are significantly heavier than those currently found in the marine industry. Products are offered in Heavy Duty for small projects and Professional Duty for OEMs, yards, and marine professionals.

Common Features:

- Flared Wire Barrel—for easy cable insertion
- Seamless Pad and Barrel—to provide ultimate performance in strength and conductivity
- Tin Plated Pure Copper—for maximum conductivity and corrosion resistance
- Lugs have closed end—to keep the cable clean, dry, and corrosion free

Regulatory

UL 486 listed/CSA certified

Lugs

PN Heavy Duty* (2 PK)	PN Heavy Duty* (10 PK)	PN Professional** (10 PK)	Cable Size	Terminal Size
2210	2244	-	8	#10
2211	2245	-	8	1/4
2212	2246	-	8	5/16
2213	2247	-	8	3/8
2214	2248	-	8	1/2
2215	2249	-	6	#10
2216	2250	-	6	1/4
2217	2251	-	6	5/16
2218	2252	-	6	3/8
2219	2253	-	6	1/2
2220	2254	-	4	#10
2221	2255	-	4	1/4
2222	2256	-	4	5/16
2223	2257	-	4	3/8
2224	2258	-	4	1/2
2225	2259	-	2	1/4
2226	2260	-	2	5/16
2227	2261	-	2	3/8
2228	2262	-	2	1/2
2229	2263	2282	1-2	1/4
2230	2264	2283	1-2	5/16
2231	2265	2284	1-2	3/8
2232	2266	2285	1-2	1/2
2233	2267	-	1/0	1/4
2234	2268	2287	1/0	5/16
2235	2269	2288	1/0	3/8
2236	2270	2289	1/0	1/2
2237	2271	-	2/0	1/4
2238	2272	2291	2/0	5/16
2239	2273	2292	2/0	3/8
2240	2274	2293	2/0	1/2
2241	2275	2294	4/0	5/16
2242	2276	2295	4/0	3/8
2243	2277	2296	4/0	1/2

Heavy Duty Lug
requires a single crimp

Professional Duty Lug
requires a double crimp

Splices

PN Heavy Duty* (2 PK)	PN Heavy Duty* (10 PK)	Cable Size
2320	2330	8
2321	2331	6
2322	2332	4
2323	2333	2
2324	2334	1
2325	2335	1/0
2326	2336	2/0
2327	2337	4/0

Heavy Duty Splice
requires a single crimp

Crimp Tool

PN	Length in (mm)	Weight lb (kg)
2338B	25.00 (635.00)	5.90 (2.68)

NEW

2338B

* Heavy duty lugs and splices require a single crimp | ** Professional duty lugs require a double crimp

Terminal Feed Through Connectors

Eliminates chafe and provides strain relief when passing high current through hulls, decks and bulkheads

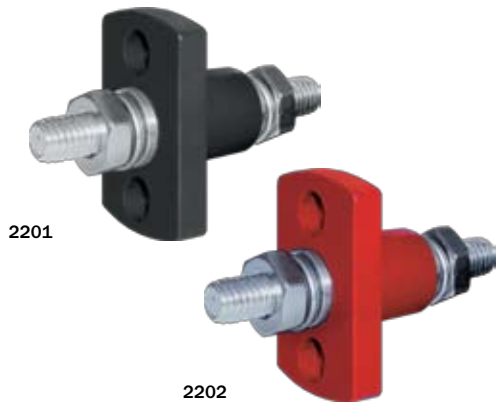
- Protects large cables that are subject to chafing when passed through holes
- The large terminals have a mounting face that can be gasketed or bedded to provide a water tight installation

Specifications

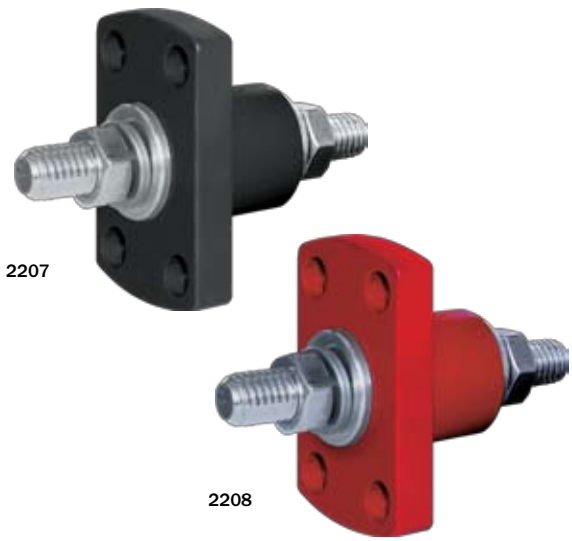
V_{mxo}	Voltage Maximum Operating	48 Volts DC
I_{mxo}	Amperage Maximum Operating	See table below
Stud Material		Tin-Plated Copper Alloy
Mounting Holes		Accepts #10 (M5) Screws

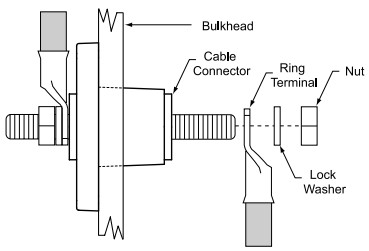
Regulatory

66 Rated IP66—withstands water from heavy seas

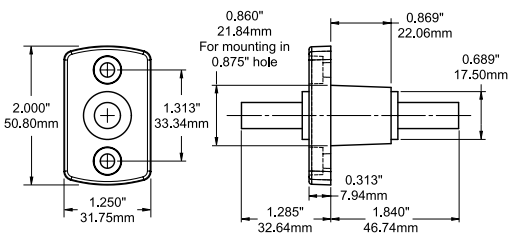


PN	Size	Description	I_{mxo}	Color	Weight lb (kg)
2201	Small	5/16"-18 Stud	250	Black	0.30 (0.14)
2202	Small	5/16"-18 Stud	250	Red	0.30 (0.14)
2203	Small	3/8"-16 Stud	250	Black	0.30 (0.14)
2204	Small	3/8"-16 Stud	250	Red	0.30 (0.14)
2205	Large	3/8"-16 Stud	400	Black	0.62 (0.28)
2206	Large	3/8"-16 Stud	400	Red	0.62 (0.28)
2207	Large	1/2"-13 Stud	400	Black	0.62 (0.28)
2208	Large	1/2"-13 Stud	400	Red	0.62 (0.28)

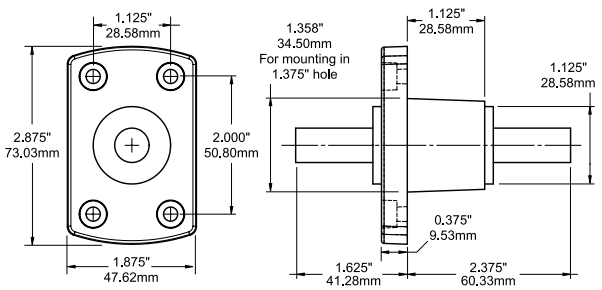




Mounting Diagram



2201–2204



2205–2208

PowerPost Cable Connectors

Insulated single stainless steel stud terminates multiple large conductors

- Connects high amperage cables securely
- Includes insulator

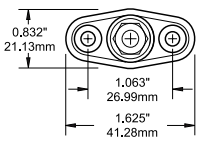
Specifications

I_c	Continuous Rating:	Not rated—amperage flows between terminals stacked on post and is determined by wire and terminals used.
V_{mxo}	Voltage Maximum Operating:	48 Volts DC
Mounting Holes		Accepts #8 Screws (2010/2011) Accepts 1/4" Screws (2001/2002/2003)

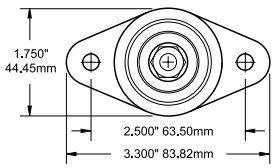
Regulatory

- CE Certified

PN	Terminal Stud	Weight lb (kg)
2010	#10-32 × 5/8"	0.06 (0.03)
2011	1/4" × 3/4"	0.10 (0.05)
2001	1/4" × 1-1/16"	0.20 (0.09)
2002	5/16" × 7/8"	0.25 (0.11)
2003	3/8" × 7/8"	0.27 (0.12)



2010 and 2011



2001, 2002, and 2003

PowerPost Plus Cable Connectors

Enables connection of multiple smaller wires in spaces where a traditional busbar may not fit

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

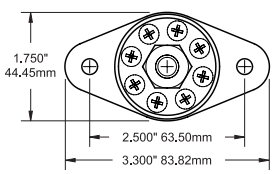
Specifications

I_c	Continuous Rating:	150 Amps AC/DC
V_{mxo}	Voltage Maximum Operating:	48 Volts DC
Mounting Holes		Accepts 1/4" Screws
Bus Material		Tin-Plated Copper

Regulatory

- CE Certified

PN	Terminal Stud	Terminal Screws	Weight lb (kg)
2101	1/4" × 1"	8 × #8-32	0.29 (0.13)
2102	5/16" × 3/4"	8 × #8-32	0.30 (0.14)
2103	3/8" × 3/4"	8 × #8-32	0.34 (0.15)




2103

Dual PowerPost Cable Connectors

Provides a termination point for extending the length of outboard harnesses or other conductors

- 2016/2017 are designed for connecting high amp conductors
- 2018 is designed for outboard engine installation when factory cables need to be extended
- Includes insulators

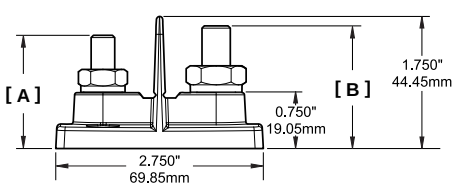
Specifications

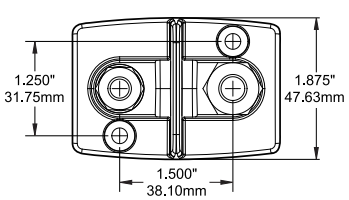
I_c	Continuous Rating:	Not rated—amperage flows between terminals stacked on post and is determined by wire and terminals used.
V_{mxo}	Voltage Maximum Operating:	48 Volts DC
Mounting Holes		Accepts #10 (M5) Screws

PN	Description	Stud Height A in (mm)	Stud Height B in (mm)	Weight lb (kg)
2016	2 × 5/16" Studs with Insulators	1.50 (38.1)	1.50 (38.1)	0.27 (0.12)
2017	2 × 3/8" Studs with Insulators	1.63 (41.3)	1.63 (41.3)	0.27 (0.12)
2018	1 × 5/16" Stud, 1 × 3/8" Stud with Insulators	1.50 (38.1)	1.63 (41.3)	0.27 (0.12)

UPDATED


2017





CableClams

Provides a waterproof pass-through for antenna cables without requiring removal of the factory installed connector

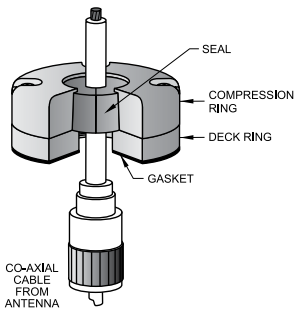
- Perfect for antenna installation
- Save the expense of removing and replacing connectors
- Avoid poor connections from removing factory connectors
- Use 1001 for GPS antenna cables, 1002 for VHF antenna cables, 1003 for Radar antenna cables

Specifications

Ring Material	UV-Stabilized Thermoplastic
Seal Material	UV-Stabilized Buna-N Rubber
Screws	Stainless Steel

PN	Connector Opening in (mm)	Weight lb (kg)
1001	0.68 (17.27)	0.15 (0.07)
1002	0.83 (20.95)	0.20 (0.09)
1003	1.39 (35.18)	0.30 (0.14)

1001



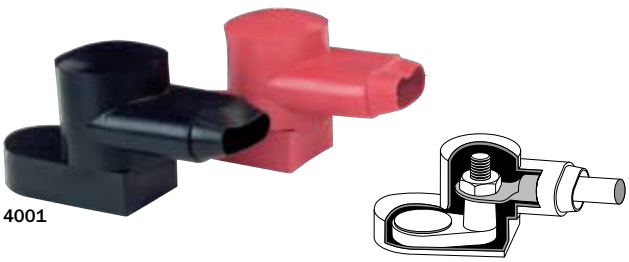
CableClam Drawing

Rotating CableCap Insulators

Insulates battery terminals which have integral wing nut posts

- Top rotates 360 degrees to allow cable entry from any angle

PN	Cable Size	Color	Package	Weight lb (kg)
4001	All	Red/Black	Pair/Retail	0.25 (0.11)
9030B	All	Black	Bulk/Not for retail	0.10 (0.45)
9031B	All	Red	Bulk/Not for retail	0.10 (0.45)

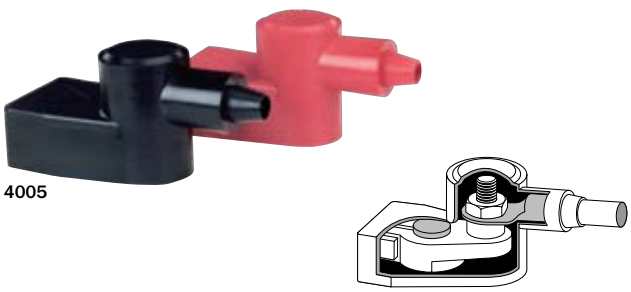


4001

Standard CableCap Insulators

Insulates battery terminals which have added adapter terminals

PN	Cable Size	Color	Package	Weight lb (kg)
4005	4, 2, 1	Red/Black	Pair/Retail	0.22 (0.10)
4006	1/0, 2/0	Red/Black	Pair/Retail	0.22 (0.10)
9038B	4, 2, 1	Black	Bulk/Not for retail	0.07 (0.03)
9039B	4, 2, 1	Red	Bulk/Not for retail	0.07 (0.03)
9040B	1/0, 2/0	Black	Bulk/Not for retail	0.07 (0.03)
9041B	1/0, 2/0	Red	Bulk/Not for retail	0.07 (0.03)

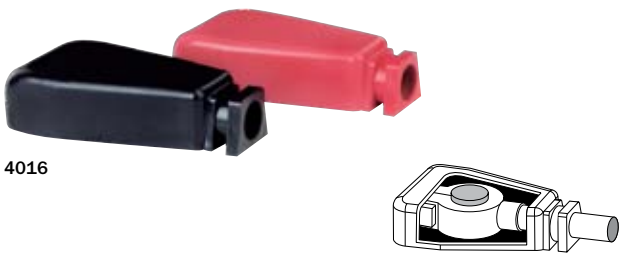


4005

Automotive CableCap Insulators

Insulates battery terminals which have standard automotive posts

PN	Cable Size	Color	Package	Weight lb (kg)
4016	4, 2, 1	Red/Black	Pair/Retail	0.18 (0.08)
4017	1/0, 2/0	Red/Black	Pair/Retail	0.18 (0.08)
9176B	1/0, 2/0	Red	Bulk/Not for retail	0.07 (0.03)
9177B	1/0, 2/0	Black	Bulk/Not for retail	0.07 (0.03)

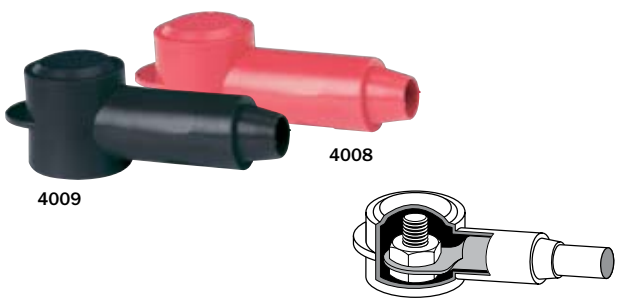


4016

Stud CableCap Insulators

Insulates single stud on alternators, starters, windlasses and high amperage termination points

PN	Cable Size	Color	Package	Weight lb (kg)
4008	18–10	Red	Retail/3	0.05 (0.02)
4009	18–10	Black	Retail/3	0.05 (0.02)
4010	8–4	Red	Retail/2	0.05 (0.02)
4011	8–4	Black	Retail/2	0.05 (0.02)
4012	2–2/0	Red	Retail/1	0.07 (0.03)
4013	2–2/0	Black	Retail/1	0.07 (0.03)
4014	3/0–4/0	Red	Retail/1	0.07 (0.03)
4015	3/0–4/0	Black	Retail/1	0.07 (0.03)



4008

4009