

Battery Modular Connectors



Description

The BMC series 1 pole & 2 pole connectors are available from 15 to 350 amperes rating for use to 600 Volts continuous AC or DC operation. Based on the colour-management system, the connectors will only mate with the same colour connectors. For preventing mismatching of the power supply system, the different colour housings are selected to identify voltages.

Applications

- UPS System
- Telecommunication
- Forklift Trucks
- Wheelchairs
- Electric Vehicles
- Chargers

Housing Example : $\frac{\text{BMC}}{(1)} \frac{\text{1S}}{(2)(3)} - \frac{\text{RED}}{(4)}$	Contacts Example : BMC $\frac{1}{(5)} \frac{\text{AG}}{(6)}$
(1) BC Battery Modular Connectors (2) 1 Pole Number (3) S Housing Size (4) RED Colour Type	(5) 1 Wire Range (6) AG Contacts Type
Pole Number : 1 : One-pole Housing 2 : Two-pole Housing	Wire Range : 1 : AWG20-16 2 : AWG16-12 3 : AWG14-10
Housing Size : S : Small Size Housing M : Middle Size Housing L : Large Size Housing	Contacts Type : AG : Copper-Silver Plated ST : Copper-Tin Plated (Reel Type)

10 to 45 Amperes Series (A)



Contact Barrel Size (AWG)	Current Rating (Amperes)	Voltage Rating (Volts)	Max. Wire Insulation Diameter (mm)	Contact Retention Force (lbs)	Average Connection / Disconnect (lbs)	Operating Temperature Range °C	Housings (A) (A)
20-16	15	600 V	4.45	25	3	-20°C to 125°C	BMC1S-Red
12-16	30						BMC1S-Black
10-14	45						BMC1S-White
12-16	30						BMC1S-Green
		BMC1S-Blue					
		BMC1S-Brown					

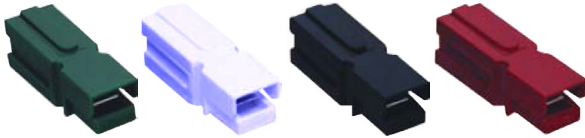
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75 Amperes Series



Contact Barrel Size (AWG)	Current Rating (Amperes)	Voltage Rating (Volts)	Max. Wire Insulation Diameter (mm)	Contact Retention Force (lbs)	Average Connection / Disconnect (lbs)	Operating Temperature Range °C	Housings
12-10	50	600V	11	50	7	-20°C to 125°C	BMC1M-Red
6	75						BMC1M-Black
8	60						BMC1M-Green
							BMC1M-Blue

120 to 180 Amperes Series



Amperes Series	Contact Barrel Size (AWG)	Current Rating (Amperes)	Voltage Rating (Volts)	Max. Wire Insulation Diameter (mm)	Contact Retention Force (lbs)	Average Connection / Disconnect (lbs)	Operating Temperature Range °C	Housings
120	6	80	600V	14.6	100	8	-20°C to 125°C	BMC1LM-Red
	2	120						BMC1LM-Black
180	6	80		19.05	170	20		BMC1L-Red
	1/0	175						BMC1L-Black

2-Pole 50 to 350 Amperes Series



Amperes Series	Contact Barrel Size (AWG)	Current Rating (Amperes)	Voltage Rating (Volts)	Max. Wire Insulation Diameter (mm)	Contact Retention Force (lbs)	Average Connection / Disconnect (lbs)	Operating Temperature Range °C	Housings
50	12-10	35	600 V	11.18	50	15	-20°C to 125°C	BMC2S-Red
	8	45						BMC2S-Black
								BMC2S-Grey

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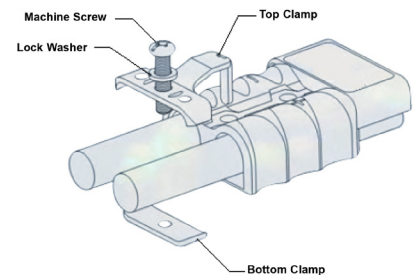
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Amperes Series	Contact Barrel Size (AWG)	Current Rating (Amperes)	Voltage Rating (Volts)	Max. Wire Insulation Diameter (mm)	Contact Retention Force (lbs)	Average Connection / Disconnect (lbs)	Operating Temperature Range °C	Housings
120	6	80	600 V	14.6	100	20	-20°C to 125°C	BMC2MS-Red
	4	100						BMC2MS-Grey
	2	120						BMC2MS-Blue

Accessories - Connector Cable Clamps



BMC2S-FP for 2S (50 Amperes) Series
 BMC2M-FP for 2M (175 Amperes) Series



Accessories - Connector Handles



BMC2S-HD-Red for 2S (50 Amperes) Series
 BMC2MS-HD-Red for 2MS (120 Amperes) Series

Accessories - Connector Dust Cover



BMC2S-DC1 for 2S (50 Amperes) Series
 BMC2MS-DC1 for 2MS (120 Amperes) Series

Part Number Table

Description	Part Number
Housing, Red, 15A to 45A	BMC1S-RED
Housing, Black, 15A to 45A	BMC1S-BLACK
Housing, White, 15A to 45A	BMC1S-WHITE

Description	Part Number
Housing, Green, 15A to 45A	BMC1S-GREEN
Housing, Blue, 15A to 45A	BMC1S-BLUE
Contact, 15A	BMC1AG

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Description	Part Number
Contact, 30A	BMC2AG
Housing, Red, 50A to 75A	BMC1M-RED
Housing, Black, 50A to 75A	BMC1M-BLACK
Housing, Green, 50A to 75A	BMC1M-GREEN
Housing, Blue, 50A to 75A	BMC1M-BLUE
Contact, 50A	BMC5AG
Contact, 60A	BMC8AG
Contact, 75A	BMC14AG
Housing, Red, 50A, 2 Pole	BMC2S-RED
Housing, Black, 50A, 2 Pole	BMC2S-BLACK
Housing, Grey, 50A, 2 Pole	BMC2S-GREY
Housing, Brown, 15A to 45 A	BMC1S-BROWN
Housing, Red, 80A to 120A	BMC1LM-RED
Housing, Black, 80A to 120A	BMC1LM-BLACK
Contact, 80A, 6 AWG	BMCMS14AG
Contact, 100A, 4 AWG	BMCMS22AG

Description	Part Number
Contact, 120A, 2 AWG	BMCMS38AG
Housing, Red, 80A to 175A	BMC1L-RED
Housing, Black, 80A to 175A	BMC1L-BLACK
Contact, 80A, 6 AWG	BMCM14AG
Contact, 125A, 4 AWG	BMC22AG
Contact, 150A, 2 AWG	BMC38AG
Contact, 175A, 1 AWG	BMC60AG
Housing, 2 Pole, 80A to 120A, Red	BMC2MS-RED
Housing, 2 Pole, 80A to 120A, Grey	BMC2MS-GREY
Housing, 2 Pole, 80A to 120A, Blue	BMC2MS-BLUE
Cable Clamp, 50A	BMC2S-FP
Cable Clamp, 175A	BMC2M-FP
Connector Handle, 50A	BMC2S-HD-RED
Connector Handle, 80A to 120A	BMC2MS-HD-RED
Dust Cover, 50A	BMC2S-DC1
Dust Cover, 80A to 120A	BMC2MS-DC1

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