

## BMC series/Battery Modular Connectors

K.S. Terminals Inc, an ISO 9001& ISO/TS 16949 certified company, has been contributing the best professional skills in the connectors and terminals manufacturing in the past 40 years. For providing the design flexibility, cost-effective reliability and mistake-proof capability, the BMC series are designed and produced for your products's efficient installation and reliable performance.

K.S. Terminals Inc. proudly introduces the BMC series (Battery Modular Connectors) to the global markets. The BMC series 1 pole & 2 pole connectors are available from 15 to 350 Amp rating for use to 600 Volts continuous AC or DC operation. Based on the color-management system, the connectors will only mate with the same color connectors. For preventing mismatching of the power supply system, the different color housings are selected to identify voltages.

### Applicable Markets

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



Housing Example: BMC 1 S - RED  
(1) (2)(3) (4)

- (1) BMC -- Battery Modular Connectors  
(2) 1 -- Pole Number  
(3) S -- Housing Size  
(4) RED -- Color Type

Pole Number: 1: One-pole Housing  
2: Two-pole Housing

Housing Size: S: Small Size Housing  
M: Middle Size Housing  
L: Large Size Housing

Contacts Example: BMC 1 AG  
(5) (6)

- (5) 1 -- Wire Range  
(6) AG -- Contacts Type

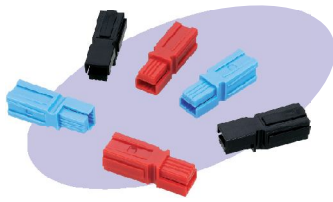
Wire Range: 1: AWG20-16  
2: AWG16-12  
3: AWG14-10

Contacts Type: AG: Copper-Silver Plated  
ST: Copper-Tin Plated (Reel Type)

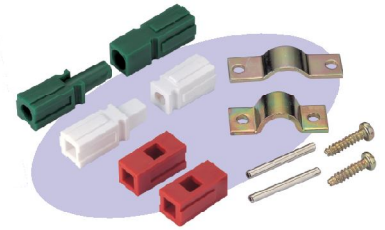
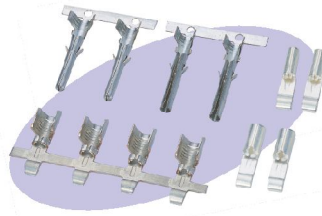
# 10~45 Amp Series



(A)



(B)



Housings(A): ()	Housings(B): ()	Contacts	Contact Barrel Size (AWG)	Current Rating (Amps)	Voltage Rating (Volts)	Max. Wire Insulation Diameter (mm)	Contact Retention Force(lbs)	Avg. Connection/ Disconnect (lbs)	Operating Temperature Range°C	Flammability Rating of Housing Material
<b>BMC1S-YELLOW</b>	<b>BMC1S-1-YELLOW</b>	<b>BMC1AG</b>	20-16	15	600V	4.45	25	3	-20°C to 125°C	UL94V-2
<b>BMC1S-ORANGE</b>	<b>BMC1S-1-ORANGE</b>									
<b>BMC1S-RED</b>	<b>BMC1S-1-RED</b>									
<b>BMC1S-GREY</b>	<b>BMC1S-1-GREY</b>	<b>BMC2AG</b>	12-16	30	600V	4.45	25	3	-20°C to 125°C	UL94V-2
<b>BMC1S-BLUE</b>	<b>BMC1S-1-BLUE</b>									
<b>BMC1S-GREEN</b>	<b>BMC1S-1-GREEN</b>									
<b>BMC1S-BLACK</b>	<b>BMC1S-1-BLACK</b>	<b>BMC2ST</b>	12-16	30	600V	4.45	25	3	-20°C to 125°C	UL94V-2
<b>BMC1S-BROWN</b>	<b>BMC1S-1-BROWN</b>									
<b>BMC1S-PURPLE</b>	<b>BMC1S-1-PURPLE</b>									
<b>BMC1S-PINK</b>	<b>BMC1S-1-PINK</b>	<b>BMC3ST</b>	10-14	45	600V	4.45	25	3	-20°C to 125°C	UL94V-2
<b>BMC1S-WHITE</b>	<b>BMC1S-1-WHITE</b>									
<b>Ground :</b>										
<b>BMC1S-FG</b>	<b>BMC1S-FG2ST</b>	<b>BMC1S-FG2ST</b>	14-16	10	600V	3.48	25	5	-20°C to 125°C	UL94V-2
<b>BMC1S-MG</b>	<b>BMC1S-MG2ST</b>									

# 75 Amp Series (LOCK)



**BMC1M-LK(LOCK)**

Amp Series	Housings:	Contacts	Contact Barrel Size (AWG)	Current Rating (Amps)	Voltage Rating (Volts)	Max. Wire Insulation Diameter (mm)	Contact Retention Force(lbs)	Avg. Connection/ Disconnect (lbs)	Operating Temperature Range°C	Flammability Rating of Housing Material
75 Amp Series	<b>BMC1M-RED</b>	<b>BMC5AG</b>	12-10	50	600V	11	50	7	-20°C to 125°C	UL94V-0
	<b>BMC1M-BLUE</b>									
	<b>BMC1M-WHITE</b>	<b>BMC8AG</b>	8	60	600V	11	50	7	-20°C to 125°C	UL94V-0
	<b>BMC1M-GREEN</b>	<b>BMC14AG</b>	6	75	600V	11	50	7	-20°C to 125°C	UL94V-0
<b>BMC1M-BLACK</b>										
75 Amp Series	<b>BMC1M-LK-RED</b>	<b>BMC5AG</b>	12-10	50	600V	11	50	7	-20°C to 125°C	UL94V-0
	<b>BMC1M-LK-BLUE</b>									
	<b>BMC1M-LK-WHITE</b>	<b>BMC8AG</b>	8	60	600V	11	50	7	-20°C to 125°C	UL94V-0
	<b>BMC1M-LK-GREEN</b>	<b>BMC14AG</b>	6	75	600V	11	50	7	-20°C to 125°C	UL94V-0
<b>BMC1M-LK-BLACK</b>										