

FEATURES

- **High Temperature Resistant**
Polycarbonate (PC) housings provide higher temperatures 125 °C
- **Color Code/ Genderless design**
Same color housings prevents accidental mating of components operating at different voltage level
- **Silver Plated Copper Contacts**
Provide excellent conductivity and superior mating cycle performance.
- **UL94 V-0**
Housing material provides security meets strict UL flammability ratings
- **UL Recognized**
- **Application Markets**
UPS System
Telecommunication
Forklift Trucks
Wheelchairs
Electric Vehicles
Chargers

RS PRO Battery Modular Connectors

RS Stock No.: 2378782



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

50AMP Connector housings with contacts

Two Pole Power Connectors with Single-piece Housings. BMC series (Battery Modular Connectors) is available for use 600 Volts continuous AC or DC operation. Based on the color-management system, the connector housings will only mate with the same color connector, prevent accidental mating of equipment operating at different voltages. The silver plated contacts offer longevity when using high power.

*TRY TO AVOID OIL OR CHEMICAL EXPOSURE WHEN USING THE CONNECTORS.

General Specifications

DC Power Connector Type	Battery Modular Connectors
Housing Material	Polycarbonate (PC)
Spring Material	Stainless Steel
Pole	2 Poles
Housing Color	Grey
Contact Material	Copper
Contact Plating	Silver plated
Contact Gender	Male (Pin)

Electrical Specifications

Housing Current Rating	50AMP
Maximum Current Rating of contact	25A/ 35A
Maximum Electrical Rating	600V

Mechanical Specifications

Width of Housing	34.9mm/ 36.4mm
Length of Housing	48mm
Height of Housing	15.9mm
Wire Size (AWG)	12-10 A.W.G.
Wire Size (MM)	4-6 mm ²
Inner Diameter	3.6mm
Outer Diameter	7.1mm
Overall Length	30.3mm±1.0

Operation Environment Specifications

Maximum Operating Temperature	125°C
Minimum Operating Temperature	-20°C

Approvals

Compliance/Certifications	UL / UL 94 V-0 / RoHS / REACH
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