

FEATURES

- Mechanical keyed housings**
Prevents accidental mating of components operating at different voltage levels
- Auxiliary contacts**
Provides ability to incorporate a secondary sensor control circuit
- Single-piece housing and unitized construction**
Provides industrial quality and durability
- Optional air supply system**
Supplies air to battery during charging
- Genderless design**
Makes assembly quick and easy and reduces number of parts stocked
- Optional mechanical release**
Aids mating and unmating for high cycle battery charging
- UL94 V-0 housing material**
Provides security in knowledge that the connector chosen meets strict UL flammability ratings



PRODUCT RANGE

UL Current Rating (Amperes)*	175 to 350*
UL Voltage Ratings (Volts)	600*
Contact Barrel Wire Size (AWG)	1/0 to 300 mcm
(mm ²)	53.5 to 152
Maximum Wire Insulation Diameter (inches)	0.75 to 1.10
(mm)	19.1 to 27.9
AVG Contact Resistance* (micro-ohms)	100 to 50
Insulation Withstanding	2200
Test Voltage (Volts AC/DC)	
Contact Retention Force (lbf)	300 to 500
Life	
a. No load (Contact/Disconnect Cycles)	To 10,000
b. Under Load (Hot Plug 250 cycles @ 120V)	75A to 100A*
Avg. Connection/Disconnect (lbf)	25 to 30
Operating Temperature Range °C**	-20° to 105°
Flammability Rating of Housing Material	UL94 V-0

Recommended Voltage Key Color Code

Voltage	12V	18V	24V	36V	48V	72V	80V	96V	120V	144V
Color	Yellow	Orange	Red	Gray	Blue	Green	Black	Brown	Purple	White



* UL Rated for 65°C largest wire or cable size

** Contact factory for higher temperature rated connectors

PRODUCT INFORMATION

Invented by Anderson Power Products®, the innovative SBX® connectors provide cost-effective reliability, design flexibility and safety for your products' manufacture, installation and maintenance. APP's 2 pole connectors are available for 175 and 350 amp ratings for use to 600 Volts continuous AC or DC operation. There are SBX® connectors for many applications and wire sizes, 1/0 (53.5mm²) to 300 mcm (152mm²). Mechanical keys ensure connectors will only mate with connectors of the same color. Different color housings are selected to identify voltages, thus preventing mismatching of the power supply system.

The housings are interchangeable, genderless interconnects. Insert contacts into housings and plug together for a clever, simple and low-cost solution to power interconnection.

Markets: UPS Systems, Telecommunications, Forklift Trucks, Wheelchairs, EV, Chargers, Power Electronics & Much More.



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All Data Subject To Change Without Notice

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