

FEATURES

- **Finger proof**

Helps prevent fingers (or probes) from accidentally touching live contacts.

SBE®160 and SBE®320 connector meets EN1175 requirements



- **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

- **UL94 V-0 housing material**

Provides security in knowledge that the connector chosen meets strict UL flammability ratings

PRODUCT RANGE

UL Current Rating (Amperes)*	80 to 700*
UL Voltage Ratings (Volts)	150*
Contact Barrel Wire Size (AWG) (mm ²)	#6 to 300 mcm 13.3 to 152.0
Maximum Wire Insulation Diameter (inches) (mm)	0.44 to 1.10 11.18 to 27.94
AVG Contact Resistance* (micro-ohms)	200 to 50
Insulation Withstanding	2200
Test Voltage (Volts AC/DC)	
Contact Retention Force (lbf)	50 to 500
Life	
a. No load (Contact/Disconnect Cycles)	To 10,000
b. Under Load (Hot Plug 250 cycles @ 120V)	60 to 100A*
Avg. Connection/Disconnect (lbf)	15 to 30
Operating Temperature Range °C** °F	-20° to 105° -4° to 221°
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 SBE® connectors provide cost-effective reliability, design flexibility and safety for your products' manufacture, installation and maintenance. APP's 2 pole connectors are available for 80, 160, 320 and 700 amp ratings for use to 150 Volts continuous AC or DC operation. There are SBE® connectors for many applications and wire sizes, #6 (13.3mm²) to 300 mcm (152.0mm²). 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.



SBE160 and SBE320



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DS-SBEFMLY REV05

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