

## FEATURES

- **UL94 V-0 housing material**

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

- **Chemical resistant material offered**

*UV resistant, greater temperature range and resistance to hydrocarbons and solvents*

- **Mechanical keyed housings**

*Prevents accidental mating of components operating at different voltage levels. UL94 V-0 and chemical resistant housing materials are interchangeable.*

- **Finger proof**

*Minimizes the potential contact with live contacts, per UL 1977, section 10.2*

- **Ergonomic design**

*Is "user friendly" during connection and disconnection of the system*

- **Molded side grooves**

*Allows for direct panel mounting, for panel thicknesses of .048 to .062 inches (1.22 to 1.57 mm) or a panel mount bracket*

- **Flat wiping contact system**

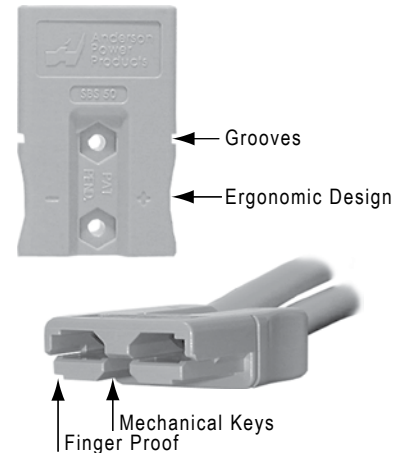
*Allows for minimal contact resistance at high current, wiping action cleans contact surface during disconnection*

- **UL approved for current interrupt**

*Safe for "Hot Plug" of battery power*

### Recommended Voltage Key Color Code

Voltage	24V	36V	48V	80V	96V	192V
Color	Red	Gray	Blue	Black	Brown	White



## PRODUCT RANGE

UL Current Rating (Amperes)*	50
UL Voltage Ratings (Volts)	600*
Contact Barrel Wire Size (AWG)	#6 to #16
Maximum Wire Insulation Diameter (inches)	0.44
(mm)	11.2
Average Contact Resistance* (micro-ohms)	200
Dielectric Withstanding Voltage (AC/DC)	2,200
Contact Retention Force (lbf)	50
(N)	222
Life	
a. No load (mating cycles)	10,000
b. Under Load	
(Hot Plug 250 mating cycles @ 120V)	50A
Average Connection/Disconnect (lbf)	8
(N)	36
Operating Temperature Range**	
• UL94 V-0 (°C)	-20° to 105°
(°F)	-4° to 221°
• CR-SB (°C)	-40° to 105°
(°F)	-40° to 221°
Flammability Rating of Housing Material	UL94 V-0



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

\*\* Contact factory for higher temperature rated connector

## PRODUCT INFORMATION

Anderson Power Products (APP), a leader in interconnect solutions, offers the highly-durable SBS50 Finger Proof connector. This 2 pole housing, offers APP customers a finger proof design. The design minimizes contact with live contacts, per UL 1977 and UL 60950 regulations, for systems operating over 50 volts, where risk of shock can be health threatening.

The SBS50's slim, contoured ergonomic design allows the operator greater ease when connecting and disconnecting. This along with APP's flat wipe contact technology, make hot plugging and unplugging easy and safe while using minimal real estate. These housings are also keyed to prevent accidental mating of components operating at different voltage levels. Molded side grooves allow secure panel mounting for panel thickness of .048 to .062 inches (1.22 to 1.57 mm).



This product is patented

All Data Subject To Change Without Notice

15012

DS-SBSFMLY REV06

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