

## SBS 50 - Two Pole Battery Connector Specification

Connector Model	SBS™50
<b>Material Properties</b>	
Housing	Polycarbonate
Contact	Copper
Plating	Silver
Spring	Stainless
<b>Electrical Properties</b>	
UI Current Rating (Amperes)*	50*
UL Voltage Ratings (Volts)	600*
Average Contact Resistance* (micro-ohms)	200
Insulation Withstanding Test Voltage (Volts AC/DC)	2200
<b>Mechanical Properties</b>	
Contact Retention Force (Lbs)	50
Contact Barrel Wire Size (AWG)	#6 to #16
Contact Barrel Wire Size (mm <sup>2</sup> )	13.3 to 1.3
Max. Wire Insulation Dia. (inches)	0.44
Max. Wire Insulation Dia. (mm)	11.18
Avg. Connect / Disconnect Force (Lbs)	15
Life	To 10,000
a. No Load (contact/Disconnect Cycles)	
b. Under Load (Hot Plug 250 cycles @ 120V)	50A
<b>Environmental Characteristics</b>	
Operating Temperature Range °C **	-20° to 105°
Flammability of Housing	UL94 V-0

\* UL rated for 65°C rated wire or cable size.

\*\* Contact factory for higher temperature rated connector.

**SB®, UL and CSA Reference: This equipment is an Underwriters Laboratories Inc® recognized component. It is also listed by the Canadian Standards Association as certified.**

