

The new Chemical Resistant (CR) SB line of connectors were developed for customers whose applications require robust connector solutions that provide improved resistance to environmental factors that commonly degrade standard products leading to eventual failure. The new housing material offers improved resistance to hydrocarbons and solvents as well as an extended temperature range. The CR-SB connectors are ideal for a variety of industries that include Automotive, Industrial, and Personal Mobility. In addition, these new housings offer all the benefits of the industry standard SB products including color and mechanical coding, hot plug capability, and genderless design. These products are fully intermateable and interchangeable with the standard SB line of connectors and accept the same range of contacts.

NOTE: Chemical Resistant connectors are offered in Red or Gray. Contact factory for additional colors.

FEATURES

- UV resistant insulator**
Insulator housing material has outstanding UV resistance, preventing damage to connector from prolonged sun exposure. Meets UL746C (F1) weatherability performance.
- Increased high and low temperature performance for harsh conditions**
-40° to 120°C / -40° to 248°F
- Superior chemical resistance**
Superior resistance to hydrocarbons and solvents used in Automotive applications
- Impact resistant**
Resists damage from rough treatment
- Fully intermateable and interchangeable with standard SB connector line**
Backward compatibility for upgrading existing solutions




Chemical Resistant housings are marked with a "P" on the backside of the housing

ORDERING INFORMATION

SB Housings Only

Part Number	Series	Housing Color
P992	SB50	Gray
P992G1	SB50	Red
P6810G1	SB120	Gray
P6810G3	SB120	Red
P940	SB175	Gray
P949	SB175	Red
P906	SB350	Gray
P913	SB350	Red

PRODUCT RANGE

Electrical	
Current Rating (Amperes) *	50 to 350
Voltage Rating (AC/DC)	600
Contact Barrel Wire Sizes (AWG) (mm ²)	#6 to 300 mcm 10 to 150
Operating Temperature ** (°C) (°F)	-40° to 120° -40° to 248°
Mechanical	
Life	
a. No Load (mating cycles)	10,000
b. Under Load (Hot Plug 250 mating cycles @ 120V)	50A to 100A
Materials	
Housing Material	PC / PBT Blend UL94 V-0
 * UL Rated for 65°C largest wire or cable size ** Contact factory for higher temperature rated connectors	