

Chemical Resistant SB[®] Connectors

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.

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

PRODUCT RANGE

Electrical	
Current Rating (Amperes) *	50 to 350
Voltage Rating (AC/DC)	600
Contact Barrell Wire Sizes (AWG)	#6 to 300 mcm
(mm²)	10 to 150
Operating Temperature ** (°C)	-40° to 120°
(°F)	-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
RoHS * UL Rated for 65°C largest wire or cable size	
• * Contact factory for higher temperature rated connectors	

ORDERING INFORMATION

NOTE: Chemical Resistant connectors are offered in Red or

SB Housings Only

Gray. Contact factory for additional colors.

Part		Housing
Number	Series	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

All Data Subject To Change Without Notice

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