NEW

SB® Environmental Boots







The soft shell boots provide water, dirt, chemical and UV protection for SB® connectors. The durable boots shield the connectors from water and dirt to IP64 when mated or unmated when the integral cover is used.

SB® Environmental Boots are ideal for a wide range of applications including: generators, industrial trucks, bus and coach, road construction, road maintenance, off road, farm and agriculture equipment.

APP®
Anderson Power Products®
An IDEAL Company

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| SPECIFICATIONS |

Electrical

Current Rating Amperes	UL 1977	CSA
• SB®50	120	50
• SB®120	240	130
• SB®175	280	175

Material - SB®50, SB®120 and SB®120

• SB® Connector Housing	PC
• SB® Connector Housing (CR) *	PC/PBT
• SB® Environmental Boot	TPE
Flammability Rating	
• UL94	V0
UV and Ozone Resistant	Yes

*Chemical Resistant Series

Mechanical - Wire Contacts with Bushings

Environmental Protection		
• SB®50, SB®120 and SB®175	IP64	
Wire Size Range	**AWG**	**mm²**
• SB®50	16 to 6	1.3 to 13.3
• SB®120	10 to 1	5.3 to 42.4
• SB®175	12 to 1/0	3.3 to 53.5
Operating Temperature	**F**	**C**
• SB® Connector Housing	-4° to 221°	-20° to 105°
• SB® Connector Housing (CR)*	-40° to 221°	-40° to 105°
• SB® Environmental Boot	-40° to 275°	-40° to 135°
Mating Cycles	**Connector in Boot**	
• SB®50	1,500	
• SB®120	1,500	
• SB®175	1,500	

*Chemical Resistant Series

- *IP64 Protection*



Totally Protected Against Dust Ingress



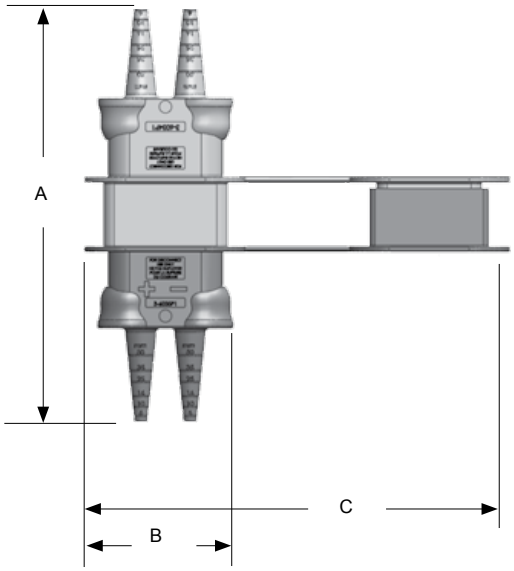
360° Protected Against Water Ingress

- *Resistant to UV, Roadway Chemical and Ozone*
- *Splash Resistant When Mated and Unmated When the Integral Cover is Used*
- *Customized Boots to Fit Your AWG or MM² Wires*
- *Mountable*
- *Easy to Use*

| DIMENSIONS |

Mated Boot Dimensions

Mated Boot Dimensions	- A - Inches	- A - mm	- B - Inches	- B - mm	- C - inches	- C - mm
SB®50 Environmental Boot	5.9	151.4	1.8	45.1	6.3	160
SB®120 Environmental Boot	7.9	200	3.1	78	8.0	204
SB®175 Environmental Boot	9.5	241	3.2	80	9.3	236



Mated Boots with Covers

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SB®50 | ORDERING INFORMATION |

SB® 50 Environmental Boots

SB® Environmental Boots provide water, dirt, chemical and UV protection for SB®50 connectors. The durable boots shield the connectors from water and dirt to IP64 in both the mated and unmated condition.

Description	------- Part Numbers -------	
Minimum Quantity	250	25
SB®50 Environmental Boot (no cover), Load	3-6054P1-BK	3-6054P1
SB®50 Environmental Boot (no cover), Source	3-6055P1-BK	3-6055P1
SB®50 Environmental Boot with Cover, Load	3-6054P2-BK	3-6054P2
SB®50 Environmental Boot with Cover, Source	3-6055P2-BK	3-6055P2

SB®50 Standard Housings

The smallest SB® housings work with wire contacts up to 6 AWG [10 mm²]. Genderless design mates with itself. Mechanical keys are color coded.

Description	---- Part Numbers ----	
Minimum Quantity ...	250	50
Yellow	992G5-BK	992G5
Orange	992G7-BK	992G7
Red	992G1-BK	992G1
Gray	992-BK	992
Blue	992G4-BK	992G4
Green	992G6-BK	992G6
Black	992G2-BK	992G2

NOTE: SB®50 Black and Gray housings have the same keying features and can be intermated.

SB®50 Chemical Resistant (CR) Housings

Same features as the Standard SB®50 but molded in a chemical resistant PBT/ PC blend. Suitable for use to -40°C.

Description	------ Part Numbers ------	
Minimum Quantity	250	50
Red	P992G1-BK	P992G1
Gray	P992-BK	P992
Black	P992G2-BK	P992G2

NOTE: Black and Gray housings have the same keying features and can be intermated

SB®50 Silver Plated Wire Contacts

Silver plated contacts offer superior electrical performance and durability up to 10,000 mating cycles.

AWG	mm	Force	--- Part Numbers ---	
Minimum Quantity			1000	100
6	13.3	Low	1307-BK	1307
6	13.3	High	5900-BK	5900
8	8.4	High	5952-BK	5952
12 to 10	3.3 to 5.3	Low	5953-BK	5953
12 to 10	3.3 to 5.3	High	5915-BK	5915

SB®120 | ORDERING INFORMATION |

SB® 120 Environmental Boots

SB® Environmental Boots provide water, dirt, chemical and UV protection for SB®120 connectors. The durable boots shield the connectors from water and dirt to IP64 in both the mated and unmated condition.

Description	------- Part Numbers -------	
Minimum Quantity	250	25
SB®120 Environmental Boot with Cover, Source	3-6034P1-BK	3-6034P1
SB®120 Environmental Boot with Cover, Load	3-6035P1-BK	3-6035P1

SB®120 Standard Housings

The second to smallest SB® housings work with wire contacts up to 1 AWG [35 mm²]. Genderless design mates with itself. Mechanical keys are color coded.

Description	---- Part Numbers -----	
Minimum Quantity ...	250	50
Red	6810G3-BK	6810G3
Gray	6810G1-BK	6810G1
Blue	6810G2-BK	6810G2

SB®120 Chemical Resistant (CR) Housings

Same features as the Standard SB®120 but molded in a chemical resistant PBT/ PC blend. Suitable for use to -40°C.

Description	------ Part Numbers ------	
Minimum Quantity ...	250	50
Red	P6810G3-BK	P6810G3
Gray	P6810G1-BK	P6810G1

SB®120 Silver Plated Wire Contacts

Silver plated contacts offer superior electrical performance and durability up to 10,000 mating cycles.

AWG	mm	Force	---------- Part Numbers ----------		
Minimum Quantity			600	500	50
1	42.4	Low	1323G1-BK	-	1323G1
2	33.6	High	-	1319-BK	1319
4	21.1	High	-	1319G4-BK	1319G4
6	13.3	High	-	1319G6-BK	1319G6



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SB®175 | ORDERING INFORMATION |

SB® 175 Environmental Boots

SB® Environmental Boots provide water, dirt, chemical and UV protection for SB®175 connectors. The durable boots shield the connectors from water and dirt to IP64 in both the mated and unmated condition.

Description	------- Part Numbers -------	
Minimum Quantity	200	25
SB®175 Environmental Boot with Cover, Source	3-6036P1-BK	3-6036P1
SB®175 Environmental Boot with Cover, Load	3-6037P1-BK	3-6037P1

SB®175 Standard Housings

The second to largest SB® housings work with wire contacts up to 1/0 AWG [50 mm²]. Genderless design mates with itself. Mechanical keys are color coded.

Description	---- Part Numbers ----	
Minimum Quantity ...	200	50
Yellow	943-BK	943
Orange	942-BK	942
Red	949-BK	949
Gray	940-BK	940
Blue	941-BK	941
Black (Keyless)	2-7252G11	-
Brown	940-BK	940

NOTE: SB®175 black is keyless and can be mated with all other colors.

SB®175 Chemical Resistant (CR) Housings

Same features as the Standard SB®175 but molded in a chemical resistant PBT/ PC blend. Suitable for use to -40°C.

Description	----- Part Numbers -----	
Minimum Quantity ...	200	50
Red	P949-BK	P949
Gray	P940-BK	P940

SB®175 Silver Plated Wire Contacts

Silver plated contacts offer superior electrical performance and durability up to 10,000 mating cycles.

AWG	mm	Force	--- Part Numbers ---	
Minimum Quantity			500	50
1/0	53.5	High	1382-BK	1382
1	42.4	High	1347-BK	1347
2	33.6	High	1383-BK	1383
4	21.1	High	1384-BK	1384
6	13.3	High	1348-BK	1348

Tooling

APP® crimp tooling is required for UL & CSA connector compliance. Using unapproved crimp tools will void the connector's warranty. For crimp tool information, see the Powerpole/Multipole catalog or visit www.andersonpower.com

Mounting

Environmental boots can be mounted using such items as a hose clamp, hanger strap and cable tie, which are readily available at industrial supply companies, hardware store and/or automotive parts stores. Mounting methods should be thoroughly evaluated for the end use application.

For More Information About SB® Connectors, SB® Dust Covers and Other SB® Accessories, See Our Powerpole® & Multipole Catalog or Visit www.andersonpower.com



For Information About IP68 Environmentally Sealed Connectors, Please Visit www.andersonpower.com/products/spec-pack-connectors

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