

The innovative SBE® connectors provide cost-effective reliability, design flexibility and safety for your products' manufacture, installation and maintenance.

APP's 2 pole connector is available with a 320 amp rating, 150 Volts continuous AC or DC operation. There are SBE® connectors for many applications and wire sizes, 2/0 to 300 mcm (67.4 to 152.0 mm<sup>2</sup>). Mechanical keys ensure connectors will only mate with connectors of the same color. Different color housings are selected to identify voltages, thus preventing mismatching of the power supply system.

## FEATURES

- **Genderless Design**

*Makes assembly quick and easy and reduces number of parts stocked*

- **Auxiliary Contacts Kits**

*Provides ability to incorporate a secondary circuit*

- **Optional Air Supply System**

*Supplies air to battery during charging*



## PRODUCT SPECIFICATIONS

Connector Model	SBE®320	Connector Model	SBE®320
Current Rating (Amperes)*	320*	Life	
Voltage Ratings (AC/DC)	150*	a. No load (mating cycles)	To 10,000
Contact Barrel Wire Size (AWG)	2/0 to 300 mcm	b. Under Load (Hot Plug 250 mating cycles @ 120V)	100A*
(mm <sup>2</sup> )	67.4 to 150	Connection/Disconnect (lbf)	30
Maximum Wire Insulation Diameter (inches)	1.10	(N)	133
(mm)	27.9	Operating Temperature (°C)**	-20° to 105°
Average Contact Resistance (micro-ohms)*	50	(°F)	-4° to 221°
Dielectric Withstanding Voltage (AC/DC)	1,300	Flammability Rating of Housing Material	UL94 V-0
Contact Retention Force (lbf)	500		
(N)	2,224		



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

\*\* Contact factory for higher temperature rated connector

## ORDERING INFORMATION

### 2 Pole Housing & 320 amp Contacts

Part Number	Housing Color	Wire	
		AWG	sq. mm
E6334G1	Brown	2/0	67.4
E6334G2	Brown	3/0	85.0
E6334G6	Brown	#2	33.6
E6335G1	Purple	2/0	67.4
E6335G2	Purple	3/0	85.0
E6335G6	Purple	#2	33.6
E6345G1	Gray	2/0	67.4
E6345G2	Gray	3/0	85.0
E6345G6	Gray	#2	33.6
E6346G1	Blue	2/0	67.4
E6346G2	Blue	3/0	85.0
E6346G6	Blue	#2	33.6
E6347G1	Red	2/0	67.4
E6347G2	Red	3/0	85.0
E6347G6	Red	#2	33.6
E6348G1	Green	2/0	67.4
E6348G2	Green	3/0	85.0
E6348G6	Green	#2	33.6
E6363G1	Black	2/0	67.4
E6363G2	Black	3/0	85.0
E6363G6	Black	#2	33.6

### 2 pole housing & 320 amp contacts continued

Part Number	Housing Color	Wire	
		AWG	sq. mm
E6364G1	Yellow	2/0	67.4
E6364G2	Yellow	3/0	85.0
E6364G6	Yellow	#2	33.6
E6369G1	Orange	2/0	67.4
E6369G2	Orange	3/0	85.0
E6369G6	Orange	#2	33.6

### 2 Pole Housing, Contacts & Powerpole Auxiliary Contacts

Part Number	Housing Color	Wire	
		AWG	sq. mm
E6332G1	Brown	2/0	67.4
E6332G2	Brown	3/0	85.0
E6332G6	Brown	N/A	35.0
E6333G1	Purple	2/0	67.4
E6333G2	Purple	3/0	85.0
E6333G6	Purple	N/A	35.0
E6340G1	Gray	2/0	67.4
E6340G2	Gray	3/0	85.0

### 2 pole housing, contacts & powerpole auxiliary contacts continued

Part Number	Housing Color	Wire	
		AWG	sq. mm
E6340G6	Gray	N/A	35.0
E6341G1	Blue	2/0	67.4
E6341G2	Blue	3/0	85.0
E6341G6	Blue	N/A	35.0
E6342G1	Red	2/0	67.4
E6342G2	Red	3/0	85.0
E6342G6	Red	N/A	35.0
E6343G1	Green	2/0	67.4
E6343G2	Green	3/0	85.0
E6343G6	Green	N/A	35.0
E6359G1	Black	2/0	67.4
E6359G2	Black	3/0	85.0
E6359G6	Black	N/A	35.0
E6360G1	Yellow	2/0	67.4
E6360G2	Yellow	3/0	85.0
E6360G6	Yellow	N/A	35.0
E6368G1	Orange	2/0	67.4
E6368G2	Orange	3/0	85.0
E6368G6	Orange	N/A	35.0

Note: For additional colors please contact customer service

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## ORDERING INFORMATION

### Housings Only

Part Number	Color
E6350	Gray
E6351	Blue
E6350	Gray
E6351	Blue
E6352	Red
E6353	Green
E6361	Black
E6362	Yellow
E6339	Orange
E6336	Brown
E6349	Purple

### Contacts

Part Number	Description	- Wire -		- A -		- B -		- C -		- D -		- E -	
		AWG	sq. mm	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
6354	Contact set (2)	2/0	67.4	78.2	3.08	16.3	0.64	12.4	0.49	32.8	1.29	20.6	0.81
6355	Contact set (2)	3/0	85.0	78.2	3.08	17.9	0.70	14.7	0.58	31.2	1.23	20.6	0.81
6356	Contact set (2)	4/0	107.2	78.2	3.08	19.1	0.75	16.3	0.64	32.5	1.28	20.6	0.81
6394	Contact set (2)		35.0	78.2	3.08	13.0	0.51	9.5	0.38	32.3	1.27	20.6	0.81
1341G1	DIN standard		50.0	67.3	2.65	14.5	0.57	10.9	0.43	20.7	0.82	20.6	0.81
1341G2	DIN standard		70.0	69.6	2.74	17.3	0.68	13.0	0.51	20.7	0.82	20.6	0.81
1341G3	DIN standard		95.0	73.4	2.89	19.8	0.78	15.0	0.59	24.6	0.97	20.6	0.81

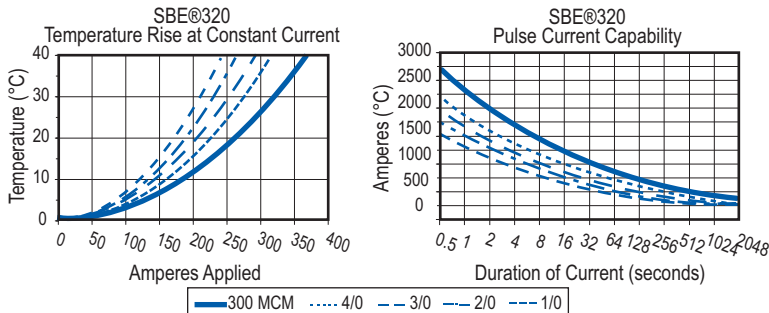
### Bushings

Part Number	Description	- Wire -	
		AWG	sq. mm
5687	For use with 6354 contact & 5918 bushing	1/0 to #1	53.5 to 42.4
5690	For use with 6354 contact & 5918 bushing	1/0 to #2	53.5 to 33.6
5693	For use with 6354 contact & 5918 bushing	1/0 to #4	53.5 to 21.2
5663	For use with 6354 contact & 5918 bushing	1/0 to #6	53.5 to 13.3
5648	For use with 6354 contact & 5918 bushing	1/0 to #10	53.5 to 5.3
5918	For use with 6354 contact	2/0 to 1/0	67.43 to 53.5
5920	For use with 6394 contact	N/A	35 to 16mm

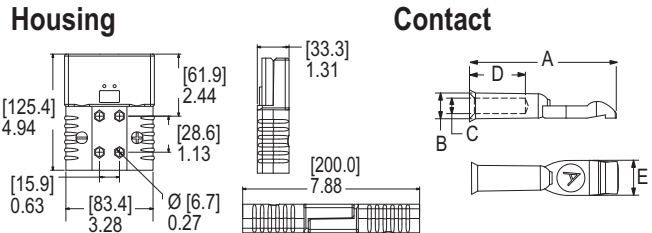
### Accessories

Part Number	Description
995G2	"A" frame handle with hardware - Gray
993G1	Manual release-battery bracket with hardware
994G1	Manual release-charger/truck bracket with hardware
911G2	Cable clamps-use alone with manual release or "A" frame handle
1x2 Auxiliary Kit	
6305G1	Powerpole auxiliary contact kit with contact #1331
6310G1	Auxiliary contact kit with contact #1332
1x4 Pin & Socket Auxiliary Kit	
6367G1	#16/12 (1.31/3.31mm) - for battery - Pin
6366G2	#16/12 (1.31/3.31mm) - for charger & truck-tube
440G1	Kit #14 - #16 AWG contacts
440G2	Kit #16 - #20 AWG contacts
440G3	Kit #12 AWG contacts

## TEMPERATURE RISE CHART



## DIMENSIONS



## TOOLING

Contact	Wire Size AWG (mm)	Power Insertion / Extraction Tool	Auxiliary Insertion / Extraction Tool	Hydraulic Tool	Pneumatic Tool	Crimps	Die	Locator
6394	35.0 mm	970P1	111038G2	1368	N/A	N/A	N/A	N/A
1341G1	50 mm	970P1	111038G2	1368	1387G1/1387G2	Single	1303G8	1304G8
1341G2	70 mm	970P1	111038G2	1368	1387G1/1387G2	Single	1303G7	1304G7
1341G3	95 mm	970P1	111038G2	1368	N/A	Single	N/A	N/A
6354	2/0 (67.4)	970P1	111038G2	1368	1387G1	Single	1388G2	1389G2
					1387G2	Double	1303G12	1304G28
6355	3/0 (85.0)	970P1	111038G2	1368	1387G2	Single	1303G12	1304G3
					1387G2	Double	1303G12	1304G28
6356	4/0 (107.2)	970P1	111038G2	1368	1387G2	Single	1303G12	1304G3
					1387G2	Double	1303G12	1304G28

NOTE: When using bushings, see tooling section on website, [www.andersonpower.com](http://www.andersonpower.com).



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