

The innovative SB[®] 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 350 amp rating, 600 Volts continuous AC or DC operation. There are SB[®] connectors for many applications and wire sizes, 2/0 AWG to 300 mcm (67.4 to 152.0 mm²). 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

- Mechanical keyed housings**
Prevents accidental mating of components operating at different voltage levels
- Single-piece housing and unitized construction**
Provides industrial quality and durability
- Genderless design**
Makes assembly quick and easy and reduces number of parts stocked



PRODUCT SPECIFICATIONS

| Connector Model | SB [®] 350 | Connector Model | SB [®] 350 |
|--|---------------------|--|---------------------|
| UL Current Rating (Amperes)* | 350* | Life | |
| UL Voltage Ratings (Volts) | 600* | a. No load (Contact/Disconnect Cycles) | To 10,000 |
| Contact Barrel Wire Size (AWG) | 2/0 to 300 mcm | b. Under Load (Hot Plug 250 cycles @ 120V) | 100A |
| (mm ²) | 67.4 to 152.0 | Avg. Connection/Disconnect (lbf) | 30 |
| Maximum Wire Insulation Diameter (inches) | 1.10 | Operating Temperature Range °C** | -20° to 105° |
| (mm) | 27.9 | °F | -4° to 221° |
| AVG Contact Resistance* (micro-ohms) | 50 | Flammability Rating of Housing Material | UL94 V-0 |
| Insulation Withstanding Test Voltage (Volts AC/DC) | 2200 | | |
| Contact Retention Force (lbf) | 500 | | |



* UL Rated for 65°C largest 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.

ORDERING INFORMATION

2 Pole Housing & 350 amp Contacts

| Part Number | Housing Color | Wire | |
|-------------|---------------|---------|--------|
| | | AWG | sq. mm |
| 6320G1 | Gray | 2/0 | 67.4 |
| 6320G2 | Gray | 4/0 | 107.2 |
| 6320G4 | Gray | 300 mcm | 152.0 |
| 6320G5 | Gray | 3/0 | 85.0 |
| 6321G1 | Blue | 2/0 | 67.4 |
| 6321G2 | Blue | 4/0 | 107.2 |
| 6321G4 | Blue | 300 mcm | 152.0 |
| 6321G5 | Blue | 3/0 | 85.0 |
| 6322G1 | Red | 2/0 | 67.4 |
| 6322G2 | Red | 4/0 | 107.2 |
| 6322G4 | Red | 300 mcm | 152.0 |
| 6322G5 | Red | 3/0 | 85.0 |
| 6323G1 | Yellow | 2/0 | 67.4 |
| 6323G2 | Yellow | 4/0 | 107.2 |
| 6323G4 | Yellow | 300 mcm | 152.0 |
| 6323G5 | Yellow | 3/0 | 85.0 |

2 Pole Housing & 350 amp Contacts continued

| Part Number | Description | Wire | |
|-------------|-------------|---------|--------|
| | | AWG | sq. mm |
| 6324G1 | Green | 2/0 | 67.4 |
| 6324G2 | Green | 4/0 | 107.2 |
| 6324G4 | Green | 300 mcm | 152.0 |
| 6324G5 | Green | 3/0 | 85.0 |
| 6400G1 | Orange | 2/0 | 67.4 |
| 6400G2 | Orange | 4/0 | 107.2 |
| 6400G4 | Orange | 300 mcm | 152.0 |
| 6400G5 | Orange | 3/0 | 85.0 |

Housings Only

| Part Number | Color |
|-------------|-------|
| 906 | Gray |
| 912 | Blue |
| 913 | Red |

housings continued

| Part Number | Color |
|-------------|--------|
| 914 | Yellow |
| 931 | Green |
| 932 | Orange |

Contacts

| Part Number | Description | Wire | |
|-------------|-----------------|---------|--------|
| | | AWG | sq. mm |
| 917 | Contact set (2) | 1/0 | 53.5 |
| 907 | Contact set (2) | 2/0 | 67.4 |
| 916 | Contact set (2) | 3/0 | 85.0 |
| 908 | Contact set (2) | 4/0 | 107.2 |
| 910 | Contact set (2) | 300 mcm | 152.0 |
| 350BBS | Bus bar contact | N/A | N/A |

Note: For additional colors please contact customer service

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www.andersonpower.com

ORDERING INFORMATION

Accessories

| Part Number | Description |
|---------------|--|
| 995G2 | Handle & hardware-gray |
| 995G4 | Handle & hardware-red |
| 919 | Manual release-locking half-cable clamps, hardware & lock out spring for the battery |
| 919G1 | Mounting half-mounting half-hardware & lock out spring for battery |
| 922G1 | Mounting half-hardware for truck or charger |
| 111197G1 | Charger key |
| 134G3 | Dust cover |
| 996G1 | Cable clamps-2 single conductor with hardware |
| 911 | Cable clamps-2 single conductor, cables with hardware and steel handle |
| SB350-lockout | Safety lockout |

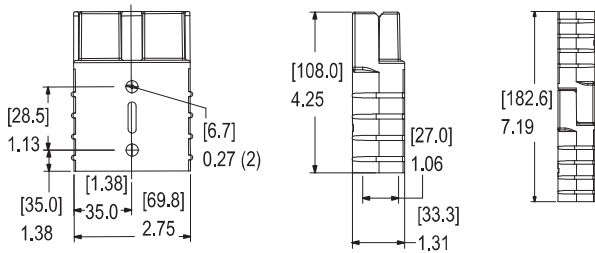
Bushings

| Part Number | Description | Wire | |
|-------------|--------------|------------|--------------|
| | | AWG | sq. mm |
| 5918 | Use with 907 | 2/0 to 1/0 | 67.4 to 53.5 |

Tooling

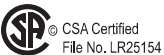
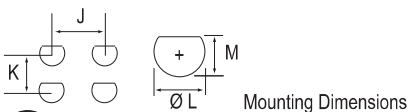
| Part Number | Description |
|-------------|------------------------------|
| 1368 | Hand tool for 1/0 to 300 mcm |
| 1387G1 | Pneumatic tool |
| 1387G2 | Pneumatic tool |
| 1388G2 | - die for 2/0 to 3/0 |
| 1389G2 | - locator for 2/0 to 3/0 |
| 1388G1 | - die for 4/0 |
| 1389G1 | - locator for 4/0 |
| 1304G9 | - loctor for 4/0 |
| 1303G3 | - die for 4/0 |

Housing



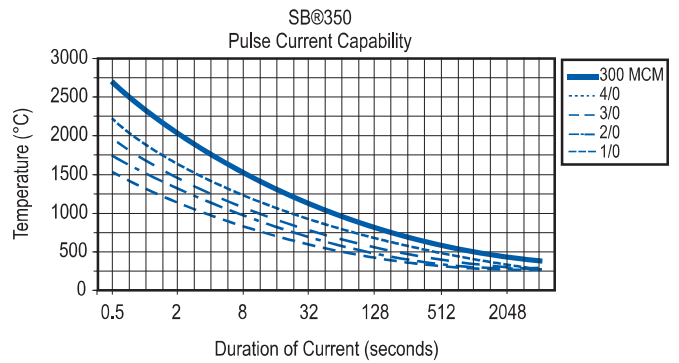
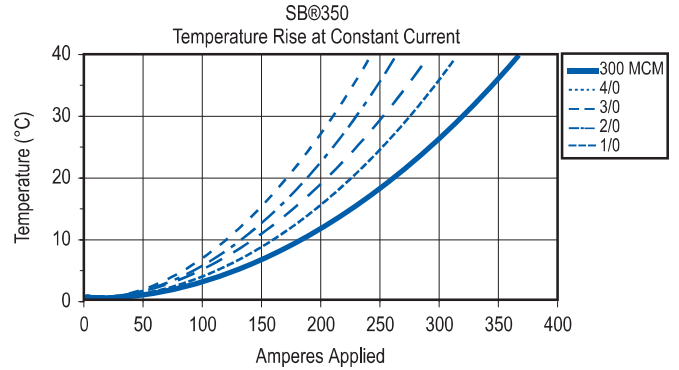
Bus Bar Layout

| Part Number | - J - | - K - | - L - | - M - |
|-------------|-----------|---------------------|-------------|-------------|
| | mm in. | mm in. | mm in. | mm in. |
| 350BBS | 34.9 1.38 | 33.8(min) 1.33(min) | 13.34 0.525 | 11.76 0.463 |



File No. LR25154 File No. E26226 All Data Subject To Change Without Notice

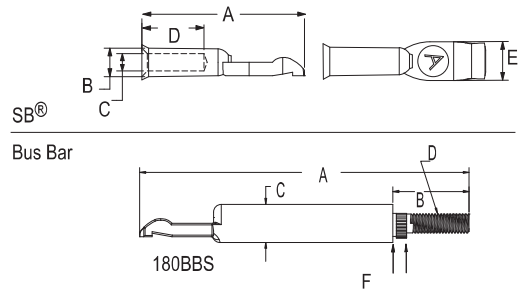
TEMPERATURE RISE CHART



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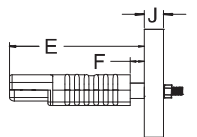
SB® Contacts

| Part Number | -A- | | -B- | | -C- | | -D- | | -E- | |
|-------------|-------|------|------|------|------|------|------|-------------|------|------|
| | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. |
| 907 | 75.1 | 2.96 | 16.3 | 0.64 | 12.4 | 0.49 | 32.8 | 1.29 | 20.6 | 0.81 |
| 908 | 75.1 | 2.96 | 19.1 | 0.75 | 16.3 | 0.64 | 32.8 | 1.29 | 20.6 | 0.81 |
| 910 | 73.9 | 2.91 | 22.2 | 0.87 | 19.1 | 0.75 | 32.5 | 1.28 | 20.6 | 0.81 |
| 916 | 75.1 | 2.96 | 17.9 | 0.7 | 14.7 | 0.58 | 32.8 | 1.29 | 20.6 | 0.81 |
| 917 | 73.9 | 2.91 | 13 | 0.51 | 11.1 | 0.44 | 31.8 | 1.25 | 20.6 | 0.81 |
| 350BBS | 131.7 | 5.19 | 22.3 | 0.88 | 17.0 | 0.67 | N/A | #3/8-19Thd. | 2.5 | 0.10 |



Bus Bar Mounting Table

| Part Number | - E - | - F - | - J - |
|-------------|------------|----------|--------------------|
| | mm in. | mm in. | mm in. |
| 350BBS | 113.0 4.45 | 5.1 0.20 | 3.0-19.6 0.12-0.77 |



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