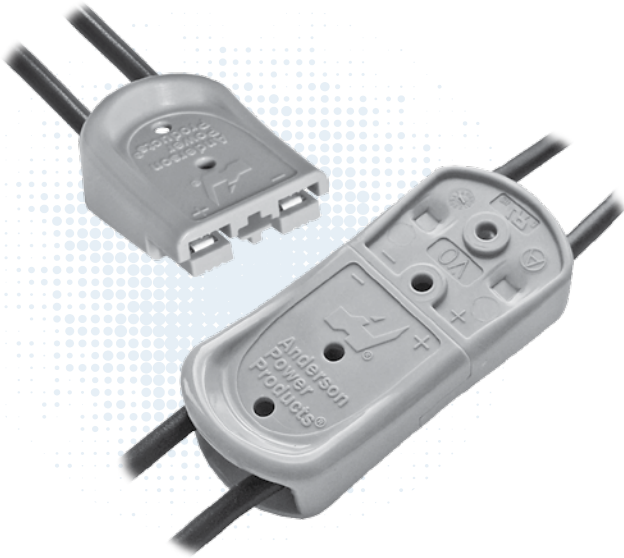


# SBS® Mini Connectors - up to 52 amps



SBS® Mini Connector series is our smallest DC power connector in the SB® group. The SBS® Mini securely holds two crimp and poke contacts with sacrificial tips to enable hot swap capabilities on DC circuits. The low resistance contacts accept 20 to 10 AWG (0.75 to 4.0 mm<sup>2</sup>) wires allowing up to 52 amps of UL rated performance per position.

- **Touch Safe Housing**  
*Minimizes potential contact with live circuits*
- **Color-Coded Mechanical Key**  
*Prevents accidental mating of connectors operating at different voltage levels*
- **Compact & Ergonomic Housing**  
*Is “user friendly” during connection and disconnection of the system*
- **UL Hot Plug Rated to 45 Amps @ 72 Volts**  
*Good for applications where the ability to interrupt circuits is required*

## | SBS® MINI ORDERING INFORMATION |

### SBS® Mini Housing

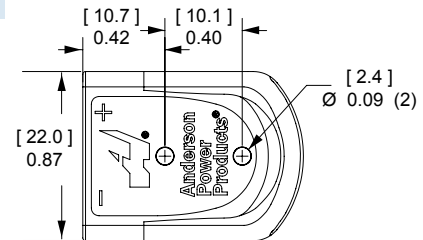
The smallest SBS® connector has 2 finger proof positions in a polycarbonate housing with an ergonomic grip. The housing securely holds crimp and poke contacts from the popular Powerpole® 15-45 series connectors.

Description	- Part Numbers -
Minimum Quantity ...	100
Red	B02265G1
Gray	B02265G4
Blue	B02265G3
Black	B02265G2

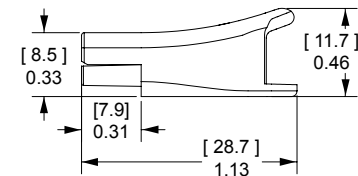


### Actual Size

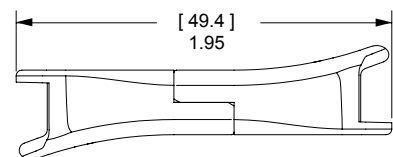
#### Top View



#### Side View



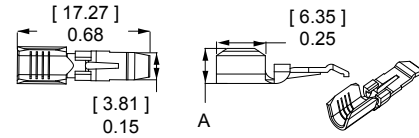
#### Mated Side View



## PP15-45 Tin Plated Power Contacts

Offer cost effective performance up to 200 mating cycles. See specifications and temperature charts for amperage ratings by wire size.

Barrel	AWG	mm <sup>2</sup>	Loose Piece ----- Part Numbers -----	Reeled	Dimensions - A -	
					inches	mm
Minimum Quantity			200	5,000		
Open	14 to 10 K*	2.1 to 5.3	261G2-LPBK	261G2	0.20	5.08
Open	16 to 12	1.3 to 3.3	261G1-LPBK	261G1	0.18	4.57
Open	20 to 16	0.52 to 1.3	262G1-LPBK	262G1	0.16	4.06



K\* - For #10 AWG class K stranded wire or smaller.

## PP15-45 Silver Plated Power Contacts

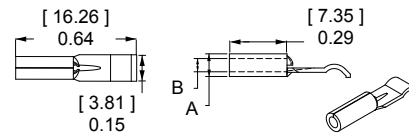
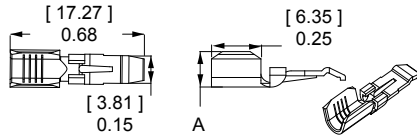
Maximize performance by offering up to 1,500 mating cycles. Recommended for circuit interrupt or hot plug applications. See specifications and temperature charts for amperage ratings by wire size. Only closed barrel contacts are suitable for soldering.

Barrel	AWG	mm <sup>2</sup>	Loose Piece ----- Part Numbers -----	Reeled - Part Numbers -	Dimensions				
					- A -		- B -		
					inches	mm	inches	mm	
Minimum Quantity			5,000	200	5,000				
Open	14 to 10 K*	2.1 to 5.3	-	261G3-LPBK	261G3	0.20	5.08	-	-
Open	20 to 16	0.52 to 1.3	-	262G2-LPBK	262G2	0.16	4.06	-	-
Closed	16 to 12	1.3 to 3.3	1331-BK	1331	-	0.15	3.81	0.10	2.54
Closed	20 to 16	0.52 to 1.3	1332-BK	1332	-	0.12	3.05	0.07	1.78

K\* - For #10 AWG class K stranded wire or smaller.

Open Barrel Contact

Closed Barrel Contact



## SBS® Mini - Tooling Information

Wire Size		Loose Piece Part Numbers			Reeled Part Numbers		Reeled Contact Crimp Tools				
AWG	mm <sup>2</sup>	Tin Plating	Silver Plating	Hand Tool or	Tin Plating	Silver Plating	APP Applicator	APP Press	ATS Applicator	ATS Press	Air Feed Kit*
16 / 20	1.3 / 0.52	N/A	1332	1309G2 or 1309G8	N/A	N/A	N/A	N/A	N/A	N/A	N/A
12 / 16	3.3 / 1.3	N/A	1331		N/A	N/A	N/A	N/A	N/A	N/A	N/A
16 / 20	1.3 / 0.52	262G1-LPBK	262G2-LPBK	1309G3 or 1309G8	262G1	262G2	TD0101	115V = TE0101 230V = TE0102	1385519-1	1725900-2	1424266-1
12 / 16	3.3 / 1.3	261G1-LPBK	N/A		261G1	N/A			1385520-1		
10 / 14	5.3 / 2.1	261G2-LPBK	261G3-LPBK		261G2	261G3			1385458-1		

### Need More Than 2 Positions?

See the stackable Powerpole® 15 to 45 connectors. These single position connectors use the same contact system as SBS® Mini and can be stacked together to create custom multiple position configurations.



# SBS® MINI SPECIFICATIONS |

Electrical		
<b>Current Rating Amperes <sup>1</sup></b>	<b>UL 1977</b>	<b>CSA</b>
10 AWG	52	35
12 AWG	41	28
14 AWG	31	23
16 AWG	24	16
18 AWG	20	15
<b>Voltage Rating AC/DC</b>		
UL 1977	600	
<b>Dielectric Withstanding Voltage</b>		
Volts AC	2,200	
<b>Avg. Mated Contact Resistance Milliohms <sup>2</sup></b>		
Wire Contact with 5/8" of #16 AWG	0.875	
Wire Contact with 5/8" of #12 AWG	0.600	
Wire Contact with 5/8" of #10 AWG	0.525	
<b>UL Hot Plug Current Rating Amperes <sup>3</sup></b>		
250 cycles at 72V DC	45A	

Materials	
<b>Housing</b>	
Plastic Resin	Polycarbonate
Contact Retention Spring	Stainless Steel
<b>Housing Flammability Rating</b>	
UL94	V-0
Glow Wire	960°C (GWFI) / 800°C (GWIT)
<b>Contact</b>	
Base	Copper Alloy
Plating	Tin or Silver
<b>Contact Termination Methods</b>	
Crimp <sup>3</sup>	Wire Contacts
Hand Solder	1331 & 1332

Mechanical		
<b>Wire Size Range</b>	<b>AWG</b>	<b>mm<sup>2</sup></b>
	20 to 10	0.75 to 4.0
<b>Max. Wire Insulation Diameter</b>	<b>in.</b>	<b>mm</b>
	0.183	4.65
<b>Operating Temperature</b>	<b>°F</b>	<b>°C</b>
	-4° to 221°	-20° to 105°
<b>Mating Cycles No Load by Plating</b>	<b>Silver (Ag)</b>	<b>Tin (Sn)</b>
10 - 12 AWG	1,500	200
14 - 18 AWG	8,000	200
<b>Avg. Mating / Unmating Force <sup>4</sup></b>	<b>Lbf.</b>	<b>N</b>
10 AWG	10 to 11	45 to 49
12 to 18 AWG	4 to 7	17 to 31
<b>Min Contact / Spring Retention Force</b>	<b>Lbf.</b>	<b>N</b>
	20	90

Connector Series	Configurations	Creepage/Clearance per IEC 60950-1	Material Group
SBS®Mini	Unmated	2.4 mm	IIIa
	Mated	2.4 mm	

Protection	
<b>Touch Safety</b>	
UL 1977 Sec. 10.2	Pass
IEC 60950	Pass
IEC 60529	IP20

NOTE 1: See IEC 60664-1 for working voltage.

<sup>1</sup> Based on: 105°C rated or better cable of the largest size, Properly calibrated APP recommended tooling, and a 25°C ambient temperature. UL rating not to exceed the maximum operating temperature. CSA rating below a 30°C temperature rise.

<sup>2</sup> Use APP recommended tooling only. Alternate tools may adversely affect the performance of our connectors along with UL and CSA recognition.

<sup>3</sup> Based on 261G3 with 10 AWG wire.

<sup>4</sup> Contact customer service for contacts with a higher disconnect force.

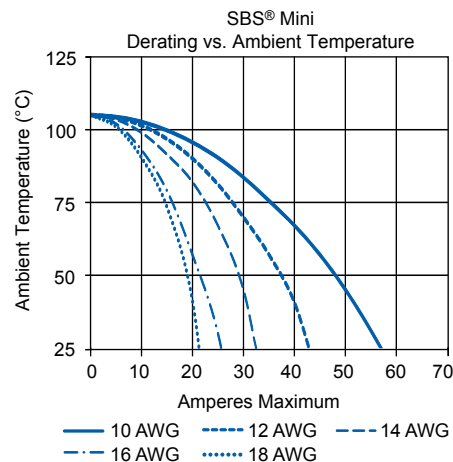
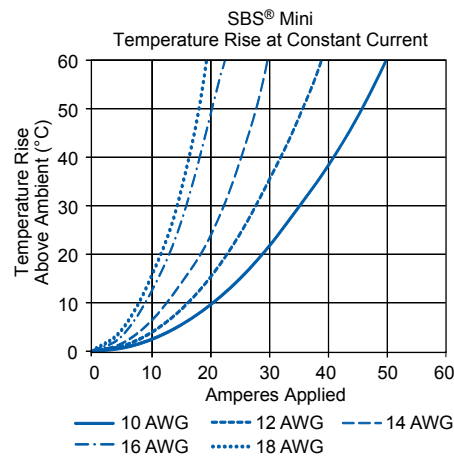


Inquire with Customer Service for IEC / EN Approvals

## TEMPERATURE CHARTS | Temperature rise charts are based on a 25°C ambient temperature.

For Temperature Rise Above 60°C, Consult the Extended Temperature Rise Charts in the Appropriate Product Section on the Website.

Current - Temperature Derating per IEC 60512-5-2 Test 5B



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