

SBS[®] Mini Connector Assembly Instructions



For installation by a qualified electrician in accordance with national and local electrical codes and the following instructions. The suitability of this type of termination must be evaluated under the applicable safety standards for the end use application. Assemble contact to the cables according to the equipment manufacturer's assembly instructions. The following instructions are supplied as a reference.

Note: Instructions are included with each crimp tool for terminating specific contacts. Use APP[®] recommended tooling only, as shown below. Alternative tools may adversely affect the performance of our connectors along with UL and CSA recognition.

ASSEMBLY INSTRUCTIONS

1. Strip wire to 5/16 inches (7.9 mm) (Figure 1) taking care to avoid nicking or cutting of wire strands. Do not bend or twist strands too sharply.



Figure 1

CONTACT	AWG	mm ²
262G1	20 to 16	0.52 to 1.3
262G2	20 to 16	0.52 to 1.3
1332	20 to 16	0.52 to 1.3
261G1	16 to 12	1.3 to 3.3
1331	16 to 12	1.3 to 3.3
261G2	14 to 10K*	2.1 to 5.3
261G3	14 to 10K*	2.1 to 5.3

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

TERMINATION

2. Manufacturer recommends termination by crimping.

Crimped - Insert wire to the base of contact, then crimp. Note: indentation should fall in the middle of the barrel (see Figure 2). Use recommend crimp tools only. Crimping by other means may disturb contact position in housing and/or produce high resistance joints.

Figure 2



Wire Size		Open Closed Barrel	Loose Piece Part Numbers		Hand Tool	OR	Reeled Part Numbers		Reeled Contact Crimp Tools	
AWG	mm ²		Tin Plating	Silver Plating			Tin Plating	Silver Plating	APP Applicator	APP Press
20 to 16	0.52 to 1.3	Closed	N/A	1332 / 1332-BK	1309G2 or 1309G8		N/A	N/A	N/A	N/A
16 to 12	1.3 to 3.3	Closed	N/A	1331 / 1331-BK						
20 to 16	0.52 to 1.3	Open	262G1-LPBK	262G2-LPBK	1309G3 or 1309G8		262G1	262G2	TD0101	115V = TE0101 230V = TE0102
16 to 12	1.3 to 3.3	Open	261G1-LPBK	N/A			261G1	N/A		
14 to 10 K*	2.1 to 5.3	Open	261G2-LPBK	261G3-LPBK			261G2	261G3		

Insertion / Extraction Tool 111038G2

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

SBS® TOOLING INFORMATION

CONTACT INSERTION

Insert contact and wire into the housing from the rear. With the curved top side of the housing facing up, position contact as shown, hook down & crimp seam up (See Figure 3) and push forward so contact slips under the barrier and snaps over the end of the retaining spring (See Figure 4). A click will be heard and felt when the contact is properly inserted. Tug slightly to make sure contact is locked in place (See Figure 5).



Figure 3



Figure 4



Figure 5

For small gage wire such as 20 AWG the insertion/extraction tool, part number 111038G2, should be used. The curve at the front of the tool would be placed around the exposed wire between the contact and the insulation (See Figure 6). This allows insertion force to be applied to the contact instead of the wire.



Figure 6

CONTACT REMOVAL

1. Switch off the power.
2. Position the connector with the Anderson Power Products® logo facing up.
3. To remove the left contact, insert the extraction tool, part number 111038G2, (See Figure 7a) on the left side of the connector, placing one of the forward prongs between the contact and the spring.
 - a. Rotate the tool to the left while pulling on the wires until the prongs cause the disengagement of the contact from the spring. (See Figure 7b).
4. To remove the right contact, insert the extraction tool, part number 111038G2, on the right side of the connector, placing one of the forward prongs between the contact and the spring.
 - a. Rotate the tool to the right while pulling on the wires until the prongs cause the disengagement of the contact from the spring. (See Figure 7c).
5. Caution: If contacts are damaged during extraction, replace the old contact with new contact.

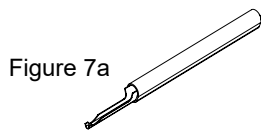


Figure 7a

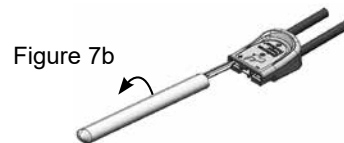


Figure 7b

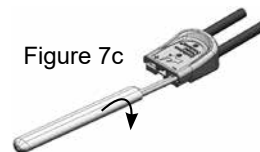


Figure 7c

CONNECTOR USAGE

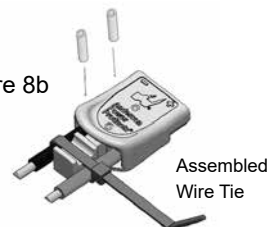
1. Do not disconnect under load. Not for interrupting current.
2. Do not disconnect by pulling on the wires.
3. For use only in equipment where the acceptability of the combination is determined by UL / CSA or other applicable certification agencies and installed by a qualified electrician.
4. Cable clamp part number B0259G4 and wire tie H1835P11 are recommended to help secure wires (See Figure 8a & 8b).

Figure 8a



SBS® Mini Cable
Clamp Assembly Kit

Figure 8b



Assembled
Wire Tie

Your Best Connection™

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