

SBS™ Connector

Assembly Instructions



Two Pole Connectors with Single-piece Housings

- Insulated housing
- Stainless steel springs
- Silver plated contacts
- Finger proof

ASSEMBLY INSTRUCTIONS

For installation by a qualified electrician in accordance with national and local electrical codes and the following instruction. The suitability of this type of termination must be evaluated by Underwriter's Laboratories, Inc. and Canadian Standard Association 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.

Please note:

Instructions are included with each crimp tool for terminating specific contacts. Use of non-Anderson Power crimp can effect UL & CSA Approval.

1. Strip cable to dimensions in Table A.
2. *Crimp or solder contact to cable following Tables B, C and D.
3. Observing proper polarity, place contact in housing with notched side of tongue next to spring.
(see cross section above).
4. Push contact and cable into housing until it snaps over end of spring; tug slightly to make sure contact is locked into place.

* Soldering recommended for cables with solid or minimal conductor stranding (ex. THHN type wire).

Table A: Cable Stripping Dimensions



Connector Series	"X" inches	"X" mm
SBS™50	9/16	14

Table B: Recommended Soldering Techniques

Recommended Soldering Techniques

Use rosin flux solder only. Wrap cable strands. Melt solder into well, heat and insert stripped cable. Continue heating well until solder flows into wire, being careful not to over flow onto contact surface. Do not solder-dip contacts. Cable clamps required for solder connections (required by Underwriter's Laboratories, Inc.) are listed on Table E (over).

Table C: Recommended Crimping Techniques

SB Crimping Tool	Connector Rating	Wire Sizes AWG	Wire Sizes mm	Tool Part Number
Manual, cycle controlled U-type crimping tool	50 amps	#16-6	1.5-16.0	1309G4
Pneumatic, cycle controlled 4-indent crimping tool	50 amps	#16-4/0	1.5-107.0	1387G1

- Notes:**
1. Use appropriate reducing bushings for smaller cable sizes (selected from table D).
 2. For appropriate crimping die set, see APP® catalog or consult factory.
 3. For high volume crimping (reeled contacts), see APP® catalog or consult factory.

PLEASE CONSULT YOUR AUTHORIZED ANDERSON REPRESENTATIVE FOR RECOMMENDED TERMINATION TOOLING

Table D: Contact Well Reducing Bushing

Catalog Number	For Use With	AWG Wire Size
5912		#6-8
5910	SBS™50	#6-10 & 12
5913		#6-14 & 16

Table E: Cable Clamp Catalog Numbers

Connector Series	For Two Single Conductor Cables	For One Twin Conductor Cables
SBS50	990 & 990G1	5905

Disassembling Unmated SBS™ Connector

Switch off power. Remove contacts by depressing springs at the front end of the connector with an insulated screwdriver having a 1/8" blade. Pull the contact lightly out of the housing.

RECOGNITION

Recognized under the Component Program of Underwriter's Laboratories, Inc.® File E26226. UL and CSA Recognized Components.

PATENT INFORMATION

SB® connectors are covered by one or more of the following patents:

U.S. : 241; 649; 2,838; 739; 3,654; 586; 3,909,099.

Canada: 598,493; 651, 109; 923, 589.

United Kingdom: 931, 658; 1,295,598.

French Publication Number: 2,084,951.

France: 71,09872.

Other patents pending.

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