SLK® DISCONNECT FUSE KITS
INSTALLATION INSTRUCTIONS

WARNING I ADVERTENCIA I AVERTISSEMENT

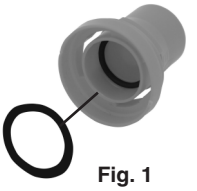
Contact with electricity can cause electrical fires, personal injury or death. serious injury or death. Shut off power to the circuit before installing this product and consult local building codes to determine installation requirements. This product is not waterproof if its de-mated or without boots. Live contacts may exist within the LINE side housing.

RATINGS

Electrical: 30 A, 600 V (15A max. fuse size for #12 Al & #14 Cu)
Temperature: 105°C
Fuseholder Flame Rating: 94V-2
Fuse Size Accepted: 1-1/2 in. x 13/32 in.
Copper and Aluminum Rated Wire Range: 2 AWG – 14 AWG

UL Listed ECIS Special Purpose Connectors, which includes compliance with:
- UL 486A/B (Wire Connector)
- UL 498 (Attachment Plugs & Receptacles)
- UL 1682 (Plugs, Receptacles, & Cable Connectors)

SET SCREW INSTALLATION


Fig. 1

1. Turn OFF power before removing or installing disconnect fuse kits.
2. **Check to assure O-ring is in place within the "LINE" side of fuseholder housing. See Fig. 1.**
3. Install fuse, if applicable. See "FUSE INSTALLATION / REMOVAL" on page 2.
4. Cut "LINE" side insulating boot at proper wire size as highlighted by arrow. **NOTE: THHN insulation is not rated for use in damp or wet locations. If using wire with THHN insulation, cut boot two (2) sizes smaller than conductor size. Wire range on THHN insulation is #2 - #10.**
5. Insert "LINE" side conductor completely through boot, extending out of large open boot end approximately 1".
6. Strip insulation from wire per the strip length chart on page 2.
7. Fully insert "LINE" side conductor(s) into corresponding setscrew lug.
8. Tighten setscrew(s) onto conductor(s) to recommended torque value (see chart on page 2). If second port on lug is unused, fully seat unused setscrew into lug.
9. Repeat 4 – 8 for "LOAD" side insulating boot.
10. Ensure that the pin-and-socket disconnect feature is fully engaged, then align and push both boot halves together until boots are fully seated at the fuseholder.

NOTE: If installing fuse holder without insulating boots, all exposed metal contacts must be properly insulated.

CRIMP INSTALLATION

1. Turn OFF power before removing or installing disconnect fuse kits.
2. **Check to assure O-ring is in place within the "LINE" side of fuseholder housing. See Fig. 1 above.**
3. Install fuse, if applicable. See "FUSE INSTALLATION / REMOVAL" on page 2.
4. Cut "LINE" side insulating boot at proper wire size as highlighted by arrow. **NOTE:** THHN insulation is not rated for use in damp or wet locations. If using wire with
   THHN insulation, cut boot two (2) sizes smaller than conductor size. Wire range on THHN insulation is #2 - #10.
5. Insert "LINE" side conductor completely through boot, extending out of large open boot end approximately 1".
6. Strip insulation from wire per the strip length chart on page 2.
7. Fully insert "LINE" side conductor(s) into crimp barrel.
8. Crimp connector onto conductor(s) **per tool chart on page 2**.
9. Repeat 4 – 8 for "LOAD" side insulating boot.
10. Ensure that the pin-and-socket disconnect feature is fully engaged, then align and push both boot halves together until boots are fully seated at the fuseholder.

NOTE: If installing fuse holder without insulating boots, all exposed metal contacts must be properly insulated.

DISCONNECT / RECONNECT PROCEDURE

1. While holding the "LINE" and "LOAD" insulating boots, separate havles by pulling straight apart. DO NOT TWIST ASSEMBLY BEFORE PULLING HALVES APART.
2. To re-connect, align and push both halves together until insulating boots are fully seated at the fuse holder, ensuring the pin-and-socket disconnect feature is fully engaged.

FUSE INSTALLATION / REMOVAL

NOTE: BEFORE FUSE INSTALLATION OR REMOVAL, TURN OFF POWER AND FOLLOW DISCONNECT PROCEDURE ABOVE.

FUSE INSTALLATION



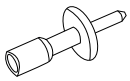
Fig. 2

1. Insert fuse into "LOAD" side of fuse holder.
2. Aligning "LOAD" side fuseholder tabs with "LINE" side openings, push halves together and twist approximately 1/4 turn clockwise to fully close. Fuseholder is fully closed when double lines on "LINE" and "LOAD" sides are aligned. **See Fig. 2.**

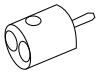
FUSE REMOVAL

1. While holding the "LINE" and "LOAD" insulating boots, separate halves by pulling straight apart. **DO NO TWIST ASSEMBLY BEFORE PULLING HALVES APART.**
2. Holding "LOAD" side boot, squeeze the male tabs on the "LINE" side of the fuseholder together.
3. Slightly push the "LOAD" and "LINE" sides of the fuseholder together and twist the "LINE" side counter - clockwise, approximately 1/4 turn, until the tabs seat at the end stop.
4. Pull "LINE" side of fuse holder from fuse holder housing.
5. Remove fuse from fuse holders.

STRIP LENGTH, TORQUE AND CRIMP TOOL CHART

			Crimp						
Crimp Lug Style	**Conductor Size (AWG)**	**Conductor Material**	**Strip Length**	**Number of Conductors**	**Number of Crimps**	**Crimp Scale or Die Type**	**Crimp Tools**	**Conductor Locations in Crimp**	**Notes**
	#14-#10	Copper or Aluminum	1/2 in.	1	1[1]	Insul.	30-429	Insert conductors into small inner crimp	
	#14			2	1[1]				Pre-Twist Stranded
	#12			2	1[2]			Insert conductors into large outer crimp	
	#10			2	1[2]	#8 Setting 2	iCrimp IWS-0801C		
	#8			1	1[2]				
	#6			1	1[2]	#6 Setting 2			
	#8			2	2	Crimp using #2, then #4			Pre-crimp to center conductors
	#6			2	2				
	#4			1	2				
	#2			1	2	#2 Setting 2			
	#4		3/4 in.	2	1	Burndy UR26RT	Burndy Y35 Tool		
	#2			2	1				

#1: Insert conductors completely into small diameter of crimp barrel.
#2: Crimp large diameter section first for strain relief, then crimp small diameter second.

Set Screw Lug Style	Conductor Size (AWG)	Conductor Material	Strip Length	Recommended Torque (in. lb.)
	#14-#10	Copper or Aluminum	7/8 in.	100
	#8			
	#6			
	#4			
	#2			

LISTED
Special Purpose Connector
4PH9

U.S. Patent 8,517,768 B2