




Instructions for Installing Lugs or Bus Interface Kits onto Soft Starter, Models S801T/S811T, S801U/S811U, and S801V/S811V

 WARNING	TO AVOID SHOCK HAZARD, DISCONNECT ALL POWER BEFORE ANY FUNCTIONS ARE PERFORMED ON THIS EQUIPMENT.
 AVERTISSEMENT	
	POUR EVITER TOUT CHOC ELECTRIQUE, COUPLER L'ALIMENTATION DE CET EQUIPEMENT AVANT D'Y EFFECTUER DES TRAVAUX.
Hazard of Burn or Electrical Shock	
Risque de Brulure ou de Choc Electrique	

The typical kit includes three lugs or bus interfaces with hardware for line or load side mounting on the S801T, S801U, S801V, S811T, S811U or S811V frame. There are two screw lengths included with the typical kit. The 2 inch screws are used for line side mounting. The 3 inch screws are used for load side mounting.

The EML40, universal lug kit, includes separate bus interface components and hardware. 1.75 inch screws are used for line side mounting. 2.75 inch screws are used for load side mounting.

POWER WIRING					
Frame Size	Cat. No.	Number of Conductors	Wire Sizes 75°C only	Torque Requirements	Number of Kits Req'd
200mm S801T/ S811T S801U/ S811U	EML22	2	4-1/0 (21.2-53.5mm ²)	28,3 N-m (250 LB-IN)	2
	EML23	1	4/0 - 500 MCM (107-240mm ²)	28,3 N-m (250 LB-IN)	
	EML24	2	4/0 - 500 MCM (107-150mm ²)	28,3 N-m (250 LB-IN)	
	EML25	1	2/0 - 300 MCM (70-150mm ²)	25,5 N-m (225 LB-IN)	
	EML26	2	2/0 - 300 MCM (70-150mm ²)	25,5 N-m (225 LB-IN)	
	EML50	1.75" BUS	N/A	N/A	
290mm S801V/ S811V	EML28	2	4/0 - 500 MCM (107-240mm ²)	28,3 N-m (250 LB-IN)	2
	EML30	4	4/0 - 500 MCM (107-240mm ²)	28,3 N-m (250 LB-IN)	
	EML32	6*	4/0 - 500 MCM (107-240mm ²)	28,3 N-m (250 LB-IN)	
	EML33	4	2/0 - 300 MCM (70-150mm ²)	25,5 N-m (225 LB-IN)	
	EML40	4	4/0 - 500 MCM (107-240mm ²)	34,0 N-m (300 LB-IN)	
	EML51A	2.00" BUS	N/A	N/A	
	EML51B	3.00" BUS	N/A	N/A	

* Requires special lug cover. Check with EATON | Cutler-Hammer for availability.

DISCONNECT ALL POWER BEFORE PERFORMING ANY WORK!

FOR S801T/S811T, and S801U/S811U

1. Remove soft starter terminal cover by removing the two #6 cover screws. Once screws have been removed, slide cover off soft starter.
2. **Line Side** - Fasten lugs to soft starter with one each **2 inch** long allen head cap screw, 1/4 lock washer, and 1/4 flat washer per pole. Tighten to 120 LB-IN (13.6 N-m). Discard remaining hardware.

Load Side - Remove shipping bolts. Position and fasten lugs to soft starter with one each **3 inch** long allen head cap screw, 1/4 lock washer, and 1/4 flat washer per pole. Tighten to 120 LB-IN (13.6 N-m). Discard remaining hardware.

3. Replace terminal cover. Tighten the two #6 cover screws to 5 LB-IN (0.6 N-m).

FOR S801V/S811V

1. Remove soft starter terminal cover by removing the four #6 cover screws. Once screws have been removed, slide cover off soft starter.
2. **Line Side** - Fasten lugs to soft starter with three each **2 inch** long allen head cap screws, 1/4 lock washers, and 1/4 flat washers per pole. Tighten to 120 LB-IN (13.6 N-m). For the EML40, attach lugs and tighten 1.75 inch screws to 300 LB-IN. Discard remaining hardware.

Load Side - Remove shipping bolts. Position and fasten lugs to soft starter with three each **3 inch** long allen head cap screws, 1/4 lock washers, and 1/4 flat washers per pole. Tighten to 120 LB-IN (13.6 N-m). For the EML40, attach lugs and tighten 2.75 inch screws to 300 LB-IN. Discard remaining hardware.

3. Replace terminal cover. Tighten the four #6 cover screws to 5 LB-IN (0.6 N-m). **NOTE:** The cover cannot be used with the EML40 kit.
4. When the EML40 Kit is used, verify that 1/2 inch clearance is maintained between the poles.



Fig. 1 S801V Shown with Lugs Installed on Load Side Without Terminal Cover in Place



Fig. 2 S801V Shown with EML40 Lugs Installed on Load Side - Terminal Cover Cannot be used with EML40 Kit.