These instructions do not purport to cover all details or variations in equipment, or to provide for every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise, which are not covered sufficiently for the purchaser's purposes, the matter should be referred to the local Siemens sales office. The contents of this Instruction manual shall not become part of or modify any prior or existing agreement, commitment or relationship. The sales contract contains the entire obligation of Siemens. The warranty contained in the contract between the parties is the sole warranty of Siemens. Any statements contained herein do not create new warranties or modify the existing warranty.

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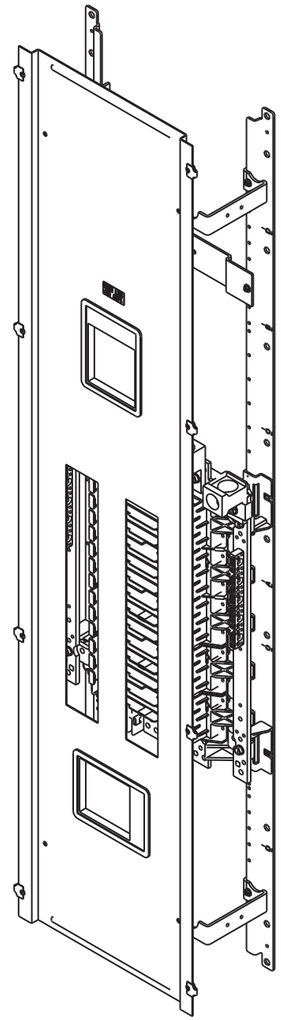
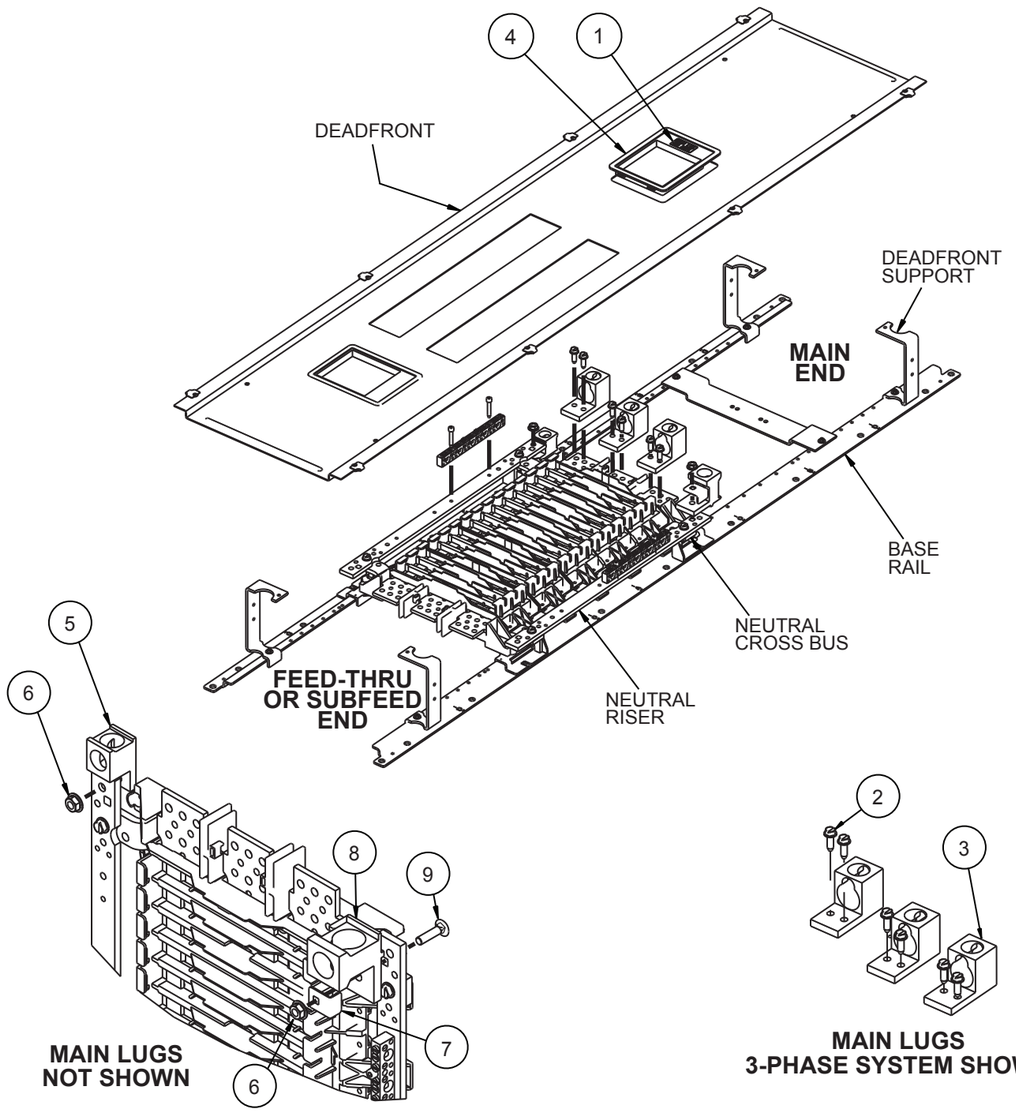
SIEMENS

P1-400 Panelboard Kit
4MLKA1B, 4MLKA3B
750 kcmil Main / Feed-thru Lugs
(for use in Revised P1 Panelboards ONLY)[1]

Installation Instructions



[1] To confirm, note the part number of the panel (marked on the interior label). If it ends in an "N" or a "T" it is a "Revised P1" and is compatible with this kit. (For example: P1E42MC250A is an Original P1; P1E42MC250AT is a Revised P1)



MAIN LUGS
NOT SHOWN

MAIN LUGS
3-PHASE SYSTEM SHOWN

THIS KIT CONTAINS THE FOLLOWING ITEMS:

ITEM	DESCRIPTION	QTY
1	MAIN LUG LABEL	1
2	1/4”-20 x 3/4” THREAD-FORMING SCREW	*
3	750 kcmil MAIN LUG	**
4	BLANK FILLER	1
5	350 kcmil LUG ASSEMBLY	1
6	1/4”-20 BELLEVILLE WASHER NUT	2
7	ANTI-TURN PLATE	1
8	750 kcmil NEUTRAL LUG	1
9	1/4”-20 x 1” CARRIAGE BOLT	1

* (4) FOR 1-PHASE; (6) FOR 3-PHASE
** (2) FOR 1-PHASE; (3) FOR 3-PHASE

Installation Instructions

The following instructions are for the installation of a Siemens 750 kcmil main / feed-thru lug kit in a 400 amp Revised P1 Panelboard. The parts provided in this kit are for connection to a 1-phase 2 or 3-wire system OR a 3-phase 3 or 4-wire systems. For systems with no neutrals, disregard the neutral instructions. Maximum cable size is 750 kcmil for aluminum and is limited to 600 kcmil for copper.

1. **Lock off all power supplying this equipment before working on it.**
2. Remove the deadfront.

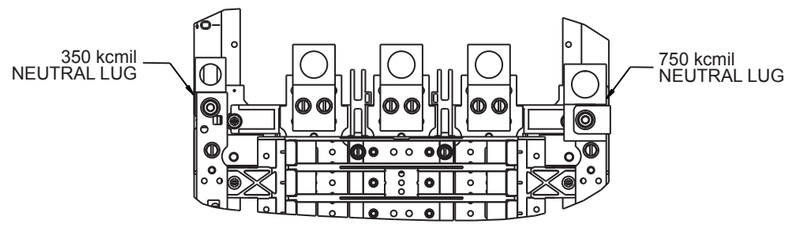
For installation as main lugs:

3. To install this kit for main lug use, remove the main (if installed).
4. Position the main lugs (item 3) as shown. Fasten each lug to the panel section or main bus using two 1/4”-20 x 3/4” thread-forming screws (item 2) per lug.
5. On 1-phase 3-wire or 3-phase 4-wire systems, neutral lugs are required. For the 750 kcmil lug (item 8), insert the carriage bolt (item 9) through the square hole on the neutral riser from below, then place the lug and the anti-turn plate (item 7) as shown. Finish with the 1/4”-20 belleville washer nut (item 6).
6. Position the 350 kcmil neutral lug assembly (item 5) under the neutral riser, allowing the stud to penetrate as shown. Fasten it to the riser with a 1/4”-20 belleville washer nut (item 6). NOTE: If the panelboard is fed by (2) 250 kcmil or smaller cables, this lug assembly is used for the second incoming cable and one of the 1/0 terminations on the neutral strip is used for a grounding electrode conductor (if required for service equipment applications). If the panelboard uses a 600 kcmil or larger cable for the neutral and is being used as service equipment, the 350 kcmil lug is used for the grounding electrode conductor.
7. Torque all connections to the values specified on the Hardware Tightening Torque label affixed to the rear of the deadfront.
8. Attach main cables to the lugs and torque the connections to the values specified on the lugs. If no values are specified on the lugs, refer to the Hardware Tightening Torque label located on the rear of the deadfront.
9. Remove any breaker fillers or escutcheons (if installed) and fill the opening with the blank filler (item 4) provided with this kit.
10. A label is provided (item 1) to mark the ampacity of the panel’s main lugs. Apply the label to the center of the blank filler.
11. Before energizing the panel, ensure that all connections have been properly torqued, that the deadfront is installed and that all fillers are in place.

For installation as feed-thru lugs*:

12. Follow Steps 1 through 10, except that the kit must be installed at the feed-thru or subfeed end of the panel and any pre-existing assembly at that location must be removed prior to installation of this kit. In addition, do not install the “MAIN LUG” label. Finish with Step 11.

* **For panels with feed-thru or subfeed space ONLY**



3-PHASE 4-WIRE SYSTEM SHOWN