SIEMENS

Item: Instructions for Installation of Circuit Breaker Plug-In Adapters for Cat. No. PC4753, PC4754 and PM4754.

For use with: SIEMENS® F, FD, FM and FF Frame Circuit Breakers and Molded Case Switches

Siemens Energy & Automation, Inc.
Bellefontaine, Ohio 43311 U.S.A.

Pc. No. 60121A02

Installation Instructions

⚠ DANGER

Hazardous voltage.
Will cause death or severe injury.

Turn power off supplying device before installing.

⚠ SAFETY INSTRUCTIONS

BREAKER TYPES
FJ6(ETI), F6, HF6, CLF(ETI), HFJ6, SCFD6, (H)(H)FXD6(ETI), FD6, FM6, FMK, (H)(H)FD6, CFD6(ETI), SFD6, SHFD6, FFC, FFF

NOTE: This instruction outlines the recommended installation procedure.

A complete plug-in installation requires one line end adapter assembly (consisting of mounting block, tulip connectors and associated hardware), one load end adapter assembly and one switchboard mounting plate. The switchboard mounting plate is optional and can be replaced by other mounting means to suit customers' requirements.

MOUNTING PREPARATION (Figs. 1 & 2)

1. Turn power off supplying device before installing kit.
2. If the switchboard mounting pan (1) is to be used, provide required drilling as shown in Fig. 1.
3. If other mounting means are to be used, provide the cutouts and drilling required to mount the adapter blocks as shown in Fig. 2.

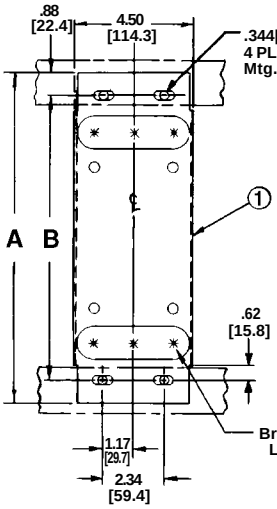

FIG. 1

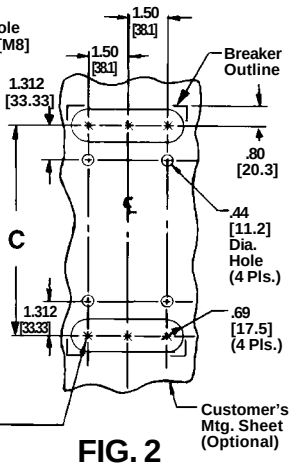

FIG. 2

Dimensions
Inches [Millimeters]

BREAKER	A	B	C
F	12.50 [317.5]	10.75 [273.05]	7.90 [200.66]
CLF	17.13 [435.1]	15.38 [390.65]	12.53 [318.26]

APPLICATION INFORMATION	NO. POLES	LINE END ADAPTER CAT. NO.	LOAD END ADAPTER CAT. NO.	SWITCHBOARD MTG. PAN CAT. NO.	
				F	CLF
	2	PC4753	PC4753	PL4762	PL4763
	3	PC4754	PC4754	PL4762	PL4763
	3	PM4754	PM4754	PL4762	PL4763

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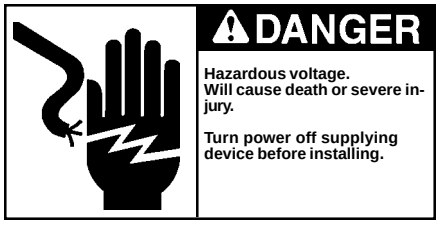

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SWITCHBOARD MOUNTING PLATE (if used): (Fig. 3)

4. Place switchboard mounting pan (1) in position at location previously prepared in step 2. Secure in place with 5/16"[M8] hardware (hardware furnished by customer).

MOUNTING BLOCK (Fig. 3)

5. Align mounting block (2) with cutouts in switchboard mounting plate (or customer's mounting means as previously prepared in Step 3 above) and secure in place with 3/8 flatwashers (3), lockwashers (4) and 3/8 - 16 hex nuts (5) furnished.

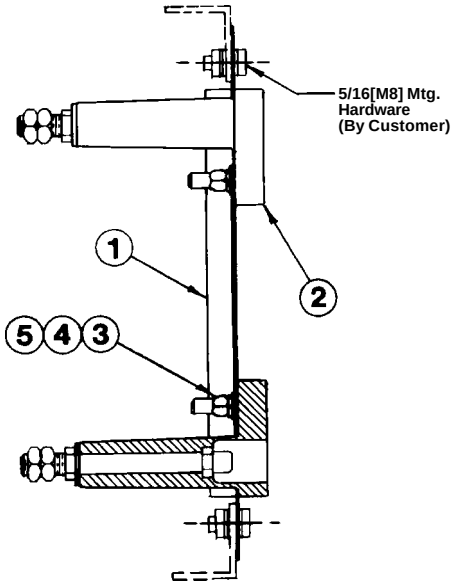

FIG. 3

BREAKER PREPARATION: (Fig. 4)
REMOVE PRESSURE WIRE CONNECTORS FROM BREAKER IF PRESENT

6. Place tulip clip assembly (6) on back of breaker in recess provided in base molding. Secure in place with 5/16 flatwashers (7), lockwashers (8) and 5/16 - 18 X 1 1/2 round head screws (9) furnished. (Exception - on CLF and CFD breakers use 2" long screws on load side.) Recommended tightening torque for these bolts is 5-6 Ft.-Lbs.[6.78-8.13 N/m] to assure a good electrical connection. Repeat this procedure for the remaining tulip clip assemblies.

7. Slide upper end shields (10) and insert lower end shields (11) with beveled end facing breaker and press into slots provided at line and load end of breaker.

8. Add accessory label (12) to top of breaker as indicated in Fig. 4.

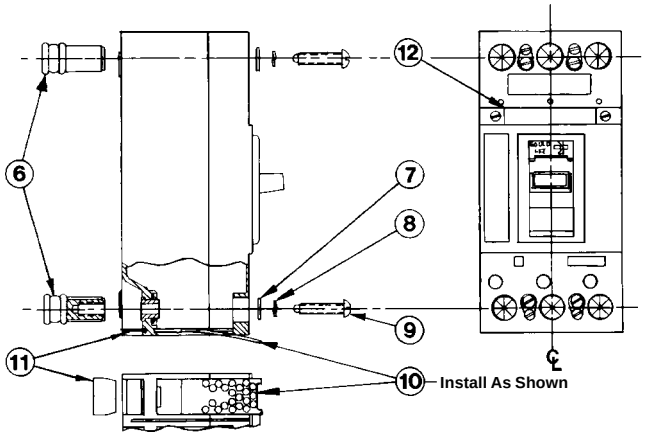

FIG. 4

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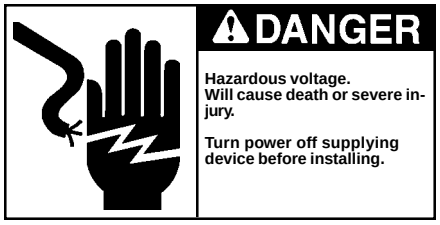

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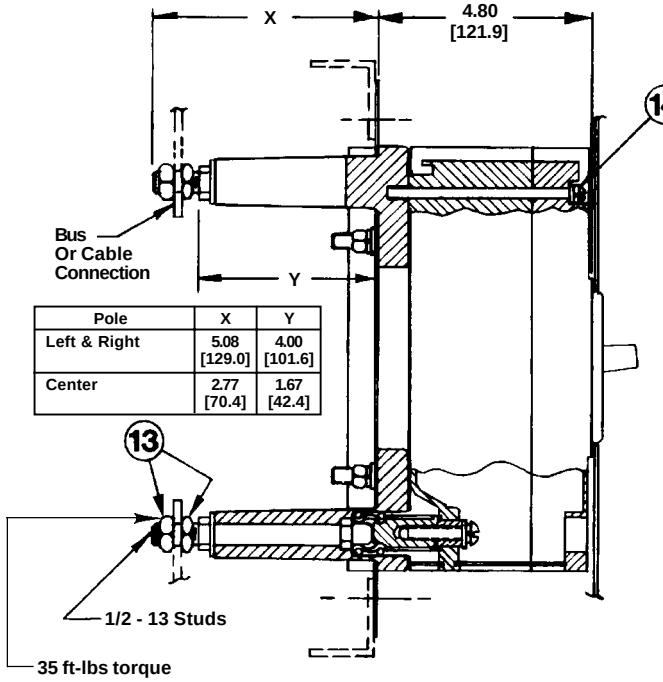
FINAL ASSEMBLY: (Fig. 5)

9. Make bus and/or cable connection to rear of mounting block studs using hex nuts (13) furnished to secure this connection.
   CAUTION: Make certain that breaker operating handle is in the **OFF** position before proceeding with the next step.

10. Align breaker with mounting blocks and force female tulip clips over male studs in mounting block until breaker base bottoms against mounting block. Secure breaker in place with 1/4 - 20 X 4 1/4 long mounting screws (14), lockwashers (15) and flatwashers (16) furnished.

11. If installation requires use of front panel trim, provide cutout for breaker escutcheon as shown in Fig. 6.

Dimensions
Inches [Millimeters]



Pole	X	Y
Left & Right	5.08 [129.0]	4.00 [101.6]
Center	2.77 [70.4]	1.67 [42.4]

FIG. 5

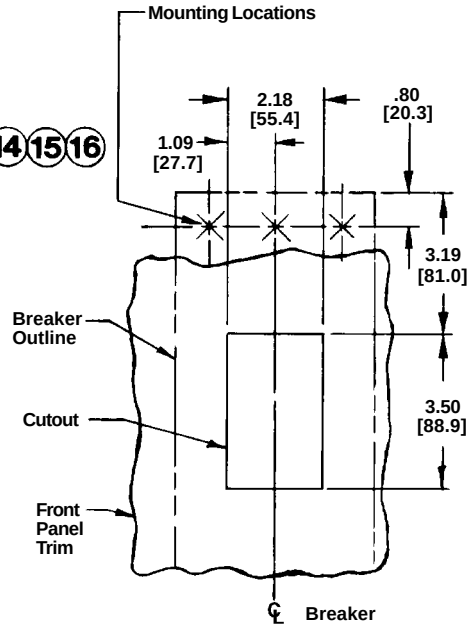


FIG. 6