

INCOMING LINE CIRCUIT BREAKER KITS MODEL NUMBERS 14C610, 14C611, 14C612 ASSEMBLY DRAWINGS 705390-5

The equipment described below should be installed only by qualified electrical maintenance personnel familiar with the construction and operation of the equipment and the hazards involved.

DESCRIPTION

Circuit Breaker Kits provide an a-c input line circuit breaker into low and medium horsepower three phase FlexPak Plus controllers.

The circuit breaker provides additional fault protection for the drive by means of its magnetic trip devices. It also serves as a means to disconnect and lock out incoming a-c power. Each kit is supplied complete with its circuit breaker and necessary mounting hardware for installation on the front panel of the auxiliary panel.

SPECIFICATION

The appropriate Circuit Breaker Kit should be selected on the basis of controller horsepower and voltage per Table 1.

Table 1—Circuit	Breaker	Kit S	Specifications
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Kit	Controller Horsepower		Circuit Breaker Current Bating
Model Number	Incoming Line Voltage		
	230 VAC	460 VAC	(Amperes)
14C610	3-10		50
14C611		3-20	50
14C612	15-20	25-40	100

ALLOWABLE AVAILABLE FAULT CURRENT

The standard three phase, FlexPak Plus controller, furnished without an input circuit breaker, has a short circuit protection system designed to operate on plant power supplies with maximum allowable available symmetrical RMS fault current of 5000 amps. Do not attempt to operate the three phase FlexPak Plus controller on plant power supplies with available short circuit current in excess of this maximum. The addition of these incoming line circuit breaker kits do not increase the allowable available short circuit current.



Figure 1—Three Phase FlexPak Plus Circuit Breaker Kit



Figure 2—Three Phase FlexPak Plus Controller With Circuit Breaker Kit Installed

INSTALLATION

WARNING

BEFORE ATTEMPTING TO INSTALL THIS FLEX-PAK PLUS MODIFICATION KIT DISCONNECT AND LOCK OUT ALL SOURCES OF INCOMING POWER TO THE CONTROLLER.

- 1. Open face plate of three phase FlexPak Plus and let it hang open.
- 2. Remove fuse/circuit breaker mounting plate from auxiliary chassis by removing three existing screws (Figure 3).

- 3. Mount Circuit Breaker Kit to fuse/circuit breaker plate using the 4 taptite screws and mounting bracket.
- 4. Mount circuit breaker to mounting bracket with screws provided. (Figure 4).
- 5. Remount fuse/circuit breaker mounting plate to auxiliary panel using same screws removed previously.
- 6. Route wires from bottom of circuit breaker under circuit breaker and connect to top of fuses as shown in Figure 3 and Figure 4.
- 7. Tighten all connectors that may have been loosened during kit installation.
- 8. Close face plate and tighten screws.













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