

PHASE MONITOR RELAYS

PCP SERIES PHASE REVERSAL

PLP SERIES PHASE LOSS & PHASE REVERSAL

PLUG-IN



- ◆ PCP Series protects against phase reversal only
- ◆ PLP Series protects against phase loss & phase reversal
- ◆ LED indicates both normal and fault conditions
- ◆ Compact plug-in case utilizing industry-standard 8 pin octal socket

- ◆ 10A SPDT output contacts



The PCP Series Phase Monitor Relays provide protection against phase reversal in a compact plug-in design. One version will work on any 3 phase system from 208V to 480V (a separate 120V-only version is also available). The relay is energized and the LED on when the sequence is correct. Any fault will de-energize the relay and turn off the LED. Re-energization is automatic upon correction of the fault condition.

The PLP Series Phase Monitor Relays provide protection against phase loss & phase reversal in a compact plug-in design. The relay is energized and the LED on when all three phases are present and in the correct sequence. Any fault will instantaneously de-energize the relay and turn off the LED. Re-energization is automatic upon correction of the fault condition.

These devices are designed to be compatible with most Wye or Delta systems with no connection to Neutral required.

PCP SERIES

PROTECTS AGAINST	NOMINAL VOLTAGE▲ (50/60 Hz)	PRODUCT NUMBER	WIRING/ SOCKET■
Phase Reversal	120V	PCP1	8 Pin Octal ØA ØB ØC DIAGRAM 23
	208-480V	PCP2 *	

PLP SERIES

PROTECTS AGAINST	NOMINAL VOLTAGE▲ (50/60 Hz)	PRODUCT NUMBER	WIRING/ SOCKET■
Phase Reversal & Phase Loss	120V	PLP120	8 Pin Octal 70169-D ØA ØB ØC DIAGRAM 23
	208V	PLP208	
	240V	PLP240	
	400V	PLP400 *	
	480V	PLP480 *	

▲ Phase-to-Phase (Line-to-Line).

* Requires a 600V-rated socket when used on system voltages above 300V.

■ See Pages 80 & 81 for **Sockets & Accessories**.



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PHASE MONITOR RELAYS

PCP SERIES PHASE REVERSAL ONLY

PLP SERIES PHASE LOSS & PHASE REVERSAL

APPLICATION DATA & DIMENSIONS

APPLICATION DATA

Phase Loss (PLP Series Only):

Unit trips on loss of any Phase A, B or C

Phase Reversal:

Unit trips if sequence of the three phases is anything other than A-B-C.

Output Contacts:

10A Resistive SPDT @ 240V AC, 1/3HP @ 120/240V AC (N.O.), 1/6HP @ 120/240V AC (N.C.)

Life:

Full Load: 100,000 operations

Response Times:

Operate: 50ms

Release: 50ms

Load (Burden):

3VA

Temperature:

-28° to 65°C (-18° to 149°F)

Transient Protection:

10,000 volts for 20 microseconds

Mounting:

Uses an 8 pin octal socket. Requires a 600V-rated socket when used on system voltages greater than 300V (Macromatic Product Number 70169-D--see Page 80).

Indicator LED:

Red LED on when all conditions are normal, and off when a fault condition has occurred.

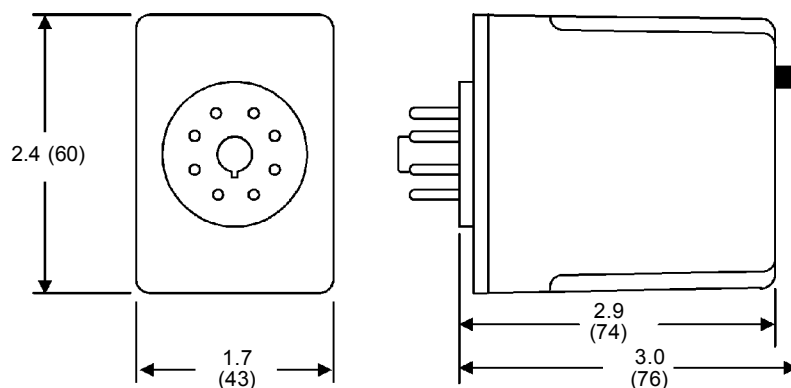
Reset:

Automatic upon correction of fault

Approvals:



DIMENSIONS



All Dimensions in
Inches (Millimeters)