

PHASE MONITOR RELAYS

Phase Reversal Only
PCP Series Plug-in

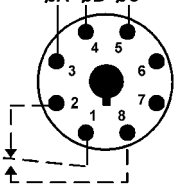


- u Protects against phase reversal
- u One version works on 208-480V 3 Phase Systems
- u LED indicates both normal and fault conditions
- u Compact plug-in case utilizing industry-standard 8 pin octal socket
- u 10A SPDT output contacts

u   LISTED
(with appropriate socket)

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). These devices are designed to be compatible with most Wye or Delta systems. In Wye systems, a connection to a neutral is not required.

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.

MOUNTING STYLE	NOMINAL VOLTAGE 50/60 Hz	PRODUCT NUMBER	WIRING/SOCKETn
Plug-in	120V	PCP1	8 Pin Octal 70169-D ϕA ϕB ϕC  DIAGRAM 23
	208-480V	PCP2 *	

* Requires a 600V-rated socket when used on system voltages greater than 300V.
n See Page 16 for **Sockets & Accessories**.



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Application Data & Dimensions

Application Data

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 (-20° to 150°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 16).

Indicator LED:

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

Reset:

Automatic upon correction of fault

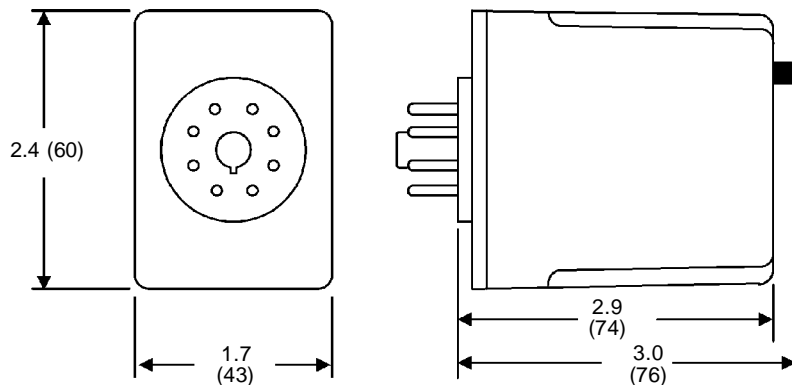
Approvals:



When used with Macromatic socket 70169-D rated 600V

File #E109466

Dimensions



All Dimensions in
Inches (Millimeters)