PHASE MONITOR RELAYS
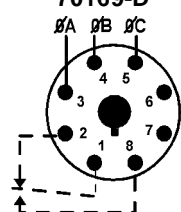## Phase Reversal Only
PCP Series Plug-in

- Protects against phase reversal
- One version works on 208-480V 3 Phase Systems
- LED indicates both normal and fault conditions
- Compact plug-in case utilizing industry-standard 8 pin octal socket
- 10A SPDT output contacts
- **cULus UL 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**
	208-480V	PCP2 *	DIAGRAM 23

* Requires a 600V-rated socket when used on system voltages greater than 300V.
n See Pages 81 & 82 for **Sockets & Accessories**.

MACROMATIC

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sales@macromatic.com

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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 81).

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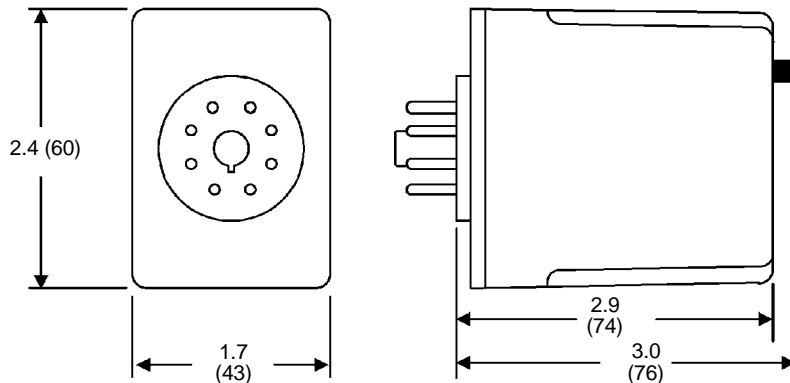Red LED on when all conditions are normal, and off when a fault condition has occurred.

Reset:
Automatic upon correction of fault

Approvals:

File #E109466

UL LISTED
IND. CONT. EQUIP.
50U7
with appropriate socket
File #E109466

Dimensions

2.4 (60)

1.7 (43)

2.9 (74)

3.0 (76)

All Dimensions in
Inches (Millimeters)