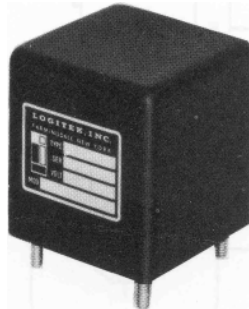


**PAD/PLD
DC Powered
PHASE SEQUENCE MONITOR
50/60/400 Hz**



GENERAL

These Phase Sequence Monitors are used to protect three-phase loads, particularly rotating components, from the damage that could occur as a result of phase reversals or absence of any phase. Contacts may be used to disconnect the load or to operate alarm circuits or both.

OPERATION

Upon application of power, the output relay energizes if all phases are connected and the phase sequence is ABC. If any phase becomes disconnected or if the phase rotation is abnormal, the relay immediately de-energizes.

STANDARD SPECIFICATIONS

ELECTRICAL

Input (operating)
Voltage (nominal).....28 vdc \pm 15%
Input (sense)
Voltage 115, 220 vrms \pm 20% wye
Frequency 50/60/400 Hz \pm 20%
Phase Sequence..... ABC

OUTPUT CONTACTS

Contact Form DPDT or 3PDT
Contact Rating (@ 28 vdc) 2A res. 10A res.
1A ind. 6A ind.
Contact Life50,000 operation min.
Contact Resistance75 ohms max.
Dielectric Strength.....1000 vrms @ 60 Hz,
all terminals to case
Insulation Resistance..... 100 megohms @ 500 vdc
all terminals to case
Enclosure..... Hermetically sealed and encapsulated
Power Dissipation.....3 watts maximum

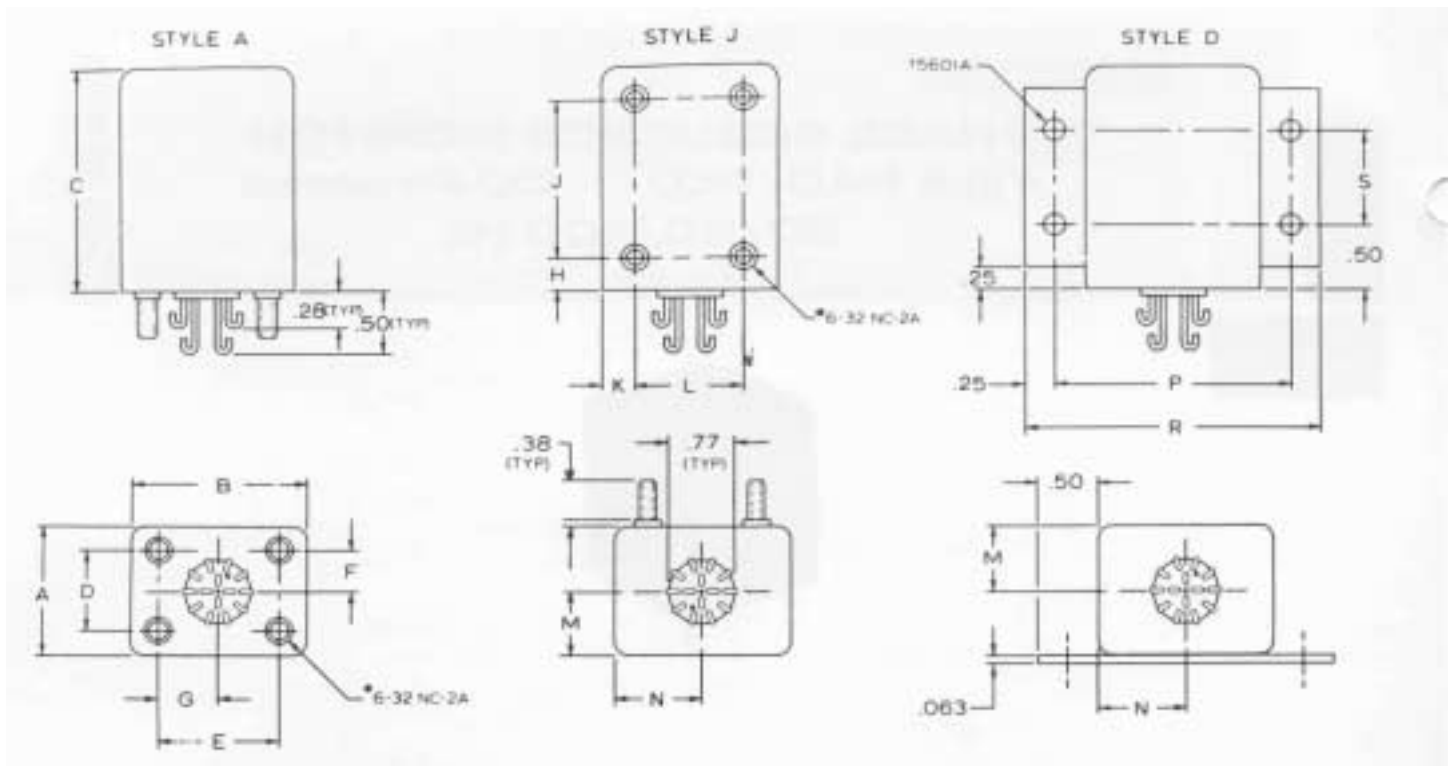
ENVIRONMENTAL

Temperature Per MIL-STD-810C, Methods 501.1,502.2
Operating PMA -55° C to +125° C
PQA-40° C to +85° C
Storage..... -65° C to +150° C
Vibration Per MIL-STD-810C, Method 514.2
Procedure 1, 10-2000 Hz 20g's
Acceleration Per MIL-STD-810C, Method 513.2
Procedure I, and II, \pm 10g's
Shock Per MIL-STD-810C, Method 516.2
Procedure I, 50g's 11 \pm 1ms any axis
Humidity Per MIL-STD-810C, Method 507.1 Procedure II
Altitude Per MIL-STD-810C, Method 504.1
Category 6 Equipment, Sea level to 70,000 ft.

PHYSICAL

Finish In accordance with MIL-F-14072 Gloss Blue #15177, FED-STD-595
IAWMIL-F-14072
Connector.....Glass-to-metal seal, solder hooks
or MS 3113H-20-16PN type connector
Marking.....Model number, date code, operating
voltage and wiring diagram
Weight..... 12 oz. Maximum

CASE STYLES



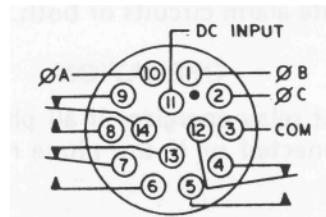
CASE DIMENSIONS

SYMBOL	2A, 60HZ; 2A, 400HZ	10A, 60HZ; 10A, 400HZ
	2.00	2.14
	2.00	2.27
	2.50	2.75
	1.437	1.625
	1.437	1.750
	.718	.812
	.718	.875
	.31	.41
	1.875	1.938
	.38	.32
	1.250	1.625
	1.00	1.07
	1.00	1.13
	2.500	2.765
	3.00	3.27
S	1.500	1.750

TOLERANCES: xx±.03 .xx DEC±.010

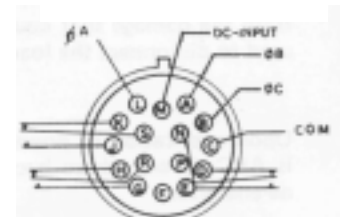
WIRING DIAGRAM

SOLDER HOOKS



1. FOR SINGLE PHASE OPERATION, USE PIN 2 & 3.
2. FOR DPDT OPERATION DELETE PINS 4, 5, & 12.

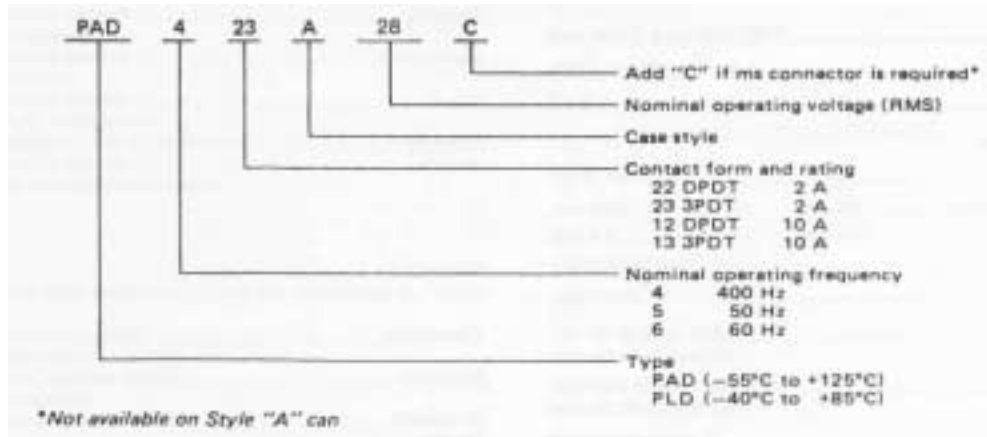
MS CONNECTOR



1. FOR SINGLE PHASE OPERATION, USE PIN B & C.
2. FOR DPDT OPERATION DELETE PINS D, E, & N.

ORDERING INFORMATION

To order, specify all parameters using the part numbering system shown below.



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PAD/PLD
Code: OVGU1