PMV10A440

VOLTAGE MONITORING REALY FOR THREE-PHASE SYSTEM, WITHOUT NEUTRAL, PHASE LOSS AND INCORRECT PHASE SEQUENCE, 208...480VAC 50/60HZ

General characteristics			
Description			Phase loss and incorrect phase sequence relay
Type of system			Three-phase without neutral
Power supply			
Auxiliary supply voltage Us			Self powered
Operating voltage range			0.85...1.1 Ue
Rated frequency		Hz	50/60 ±5%
Power consumption Max		VA	20
Power dissipation Max		W	2.2
Control circut			
Rated voltage to control (Ue)			
	min	VAC	208
	Max	VAC	480
Tripping delay		s	0.06
Resetting time		s	0.5
Resetting hysteresis		%	5
Instantaneous tripping for Ue			Voltage <70% Ue
Type of reset			Automatic
Repeat accuracy		%	<±1
Tripping time for phase loss		ms	60
Relay outputs			
Number of relays		Nr.	1
Relay state			Normally energised De-energises at tripping
Contact arrangement			1 changeover SPDT
Rated operational voltage AC (IEC)		VAC	250
Maximum switching voltage		VAC	400
IEC Conventional free air thermal current Ith ≤ 40°C		A	8
UL/CSA and IEC/EN 60947-5-1 designation			B300
Electrical life (with rated load)		cycles	100000
Mechanical life		cycles	3000000
Functions			
Modular version			1U
Minimum AC voltage			No
Maximum AC voltage			No
Phase loss			Yes
Incorrect phase sequence			Yes
Asymmetry			No
Indications			

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Indication				1 green LED for power on and tripping
Connections				
Terminals type				Screw
Tightening torque for terminals				
		max	Nm	0.8
		max	Ibin	7
Conductor cross section				
	AWG/Kcmil			
		min	AWG	24
		Max	AWG	12
	IEC			
		min	mm²	0.2
		Max	mm²	4
Insulations				
Rated insulation voltage Ui			V	480
Rated impulse withstand voltage Uimp			kV	6
Operating frequency withstand voltage			kV	4
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-20
		max	°C	+60
	Storage temperature			
		min	°C	-30
		max	°C	+80
Housing				
Execution (n° of modules)				1
Material				Self-extinguishing polyamide
Mounting				35mm DIN rail (IEC/EN 60715)
IEC degree of protection				IP40 on front; IP20 at terminals
Dimensions (W x H x D)			mm	17.5 x 104.7 x 63
Weight			g	50
Dimensions				

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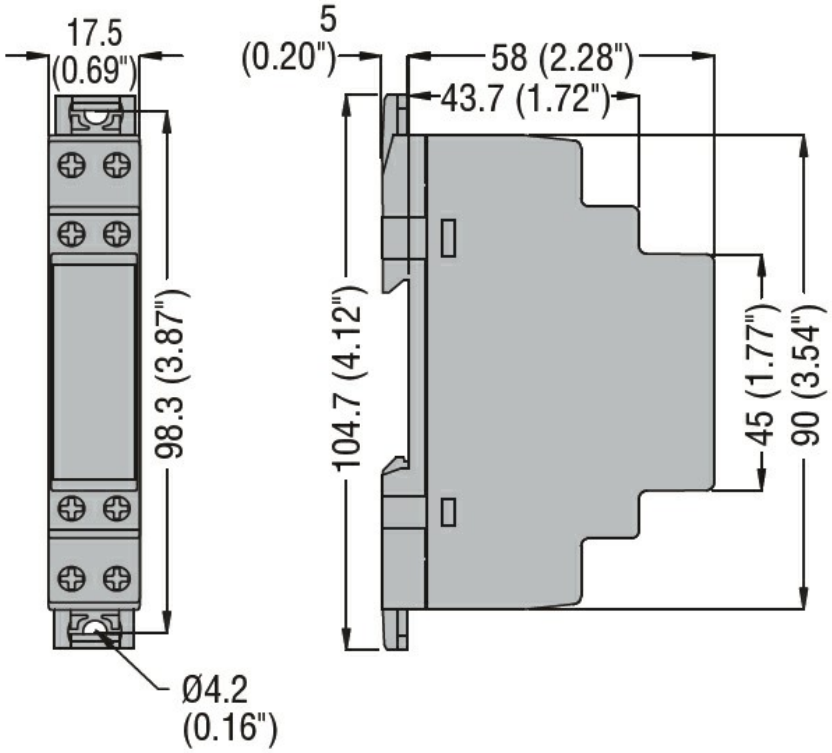
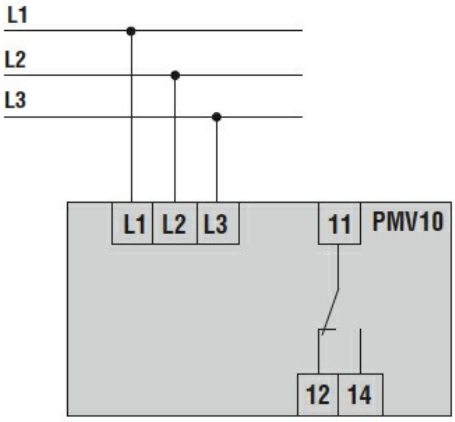


Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 14
IEC/EN 60255-5
IEC/EN 60335-2-89
IEC/EN 61000-6-2
IEC/EN 61000-6-3
UL 508

Certificates

CSA C22.2 n. 60335-2-40:22 LZGH A2L
CSA C22.2 No. 60335-2-89:21 LZGH A2L

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cULus
EAC
UL 60335-2-40 LZGH A2L
UL 60335-2-89 LZGH A2L

ETIM classification

ETIM 8.0	EC001438 - Voltage monitoring relay

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