PMV80NA240

OVALO VOLTAGE MONITORING REALY FOR THREE-PHASE SYSTEM, WITH OR WITHOUT NEUTRAL, electric MINIMUM AND MAXIMUM AC VOLTAGE, MINIMUM AND MAXIMUM FREQUENCY. PHASE LOSS, NEUTRAL LOSS AND INCORRECT PHASE SEQUENCE, 208...240VAC 50/60HZ ENERGY AND AUTOMATION



Product designation			Voltage monitoring relays
Product type designation			PMV80N
General characteristics			
Description			Minimum and maximum AC voltage, minimum and maximum frequency, phase loss, neutral loss and incorrect phase sequence relay
Type of system			Three-phase with/without neutral
Power supply			
Auxiliary supply voltage Us			Self powered
Operating voltage range			0.71.2 Ue
Rated frequency		Hz	50/60 ±5%
Power consumption Max		VA	27
Power dissipation Max		W	1.9
Control circut			
Rated voltage to control (Ue)			
	min	VAC	208
	Max	VAC	240
Voltage set-point (%Ue)			
	min	%	8095
	Max	%	105115
Frequency set-point (% rated frequency)			
	min	%	1
	Max	%	10
Tripping delay		S	0.120s (0.1 5s freq.)
Resetting time		S	0.5
Resetting hysteresis		%	3 (0.5 freq)
Instantaneous tripping for Ue			Voltage <70% Ue
Type of reset			Automatic
Repeat accuracy		%	<±0.1
Tripping time for phase loss		ms	60
Relay outputs			
Number of relays		Nr.	2
Relay state			Normally energised De- energises at tripping

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ENERGY AND AUTOMATION

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				2 changeover
Contact arrangement				SPDT
Rated operational volt			VAC	250
Maximum switching vo			VAC	400
IEC Conventional free	air thermal current Ith		А	8
UL/CSA and IEC/EN	60947-5-1 designation			B300
Electrical life (with rate	ed load)		cycles	100000
Mechanical life			cycles	3000000
Functions				
Modular version				3U
Minimum AC voltage				Yes
Maximum AC voltage				Yes
Natural loss				Yes
Phase loss				Yes
Incorrect phase seque	ence			Yes
Asymmetry				No
Minimum frequency				Yes
Maximum frequency				Yes
Programmable via NF	C technology and APP			No
Indications				
				1 green LED for
Indication				power on and
Indication				tripping and 3 red
				LEDs for tripping
Connections				
Terminals type				Screw
Tightening torque for t	erminals			
		max	Nm	0.8
		max	Ibin	7
Conductor cross section	on			
	AWG/Kcmil			
		min	AWG	24
		Max	AWG	12
	IEC			
		min	mm²	0.2
		Max	mm²	4
Insulations				
Rated insulation voltage			V	600
Rated impulse withsta	nd voltage Uimp		kV	6
Operating frequency w	vithstand 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 modu	iles)			3
Material				Self-extinguishing polyamide
Mounting				35mm DIN rail (IEC/EN 60715)

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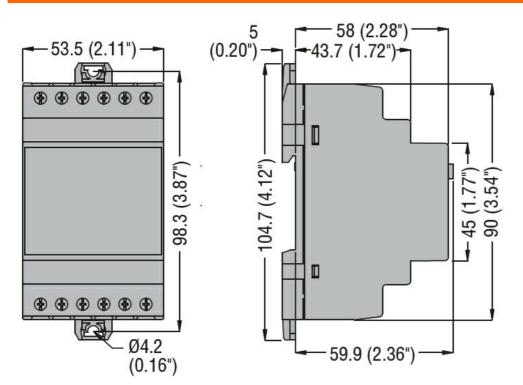
The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

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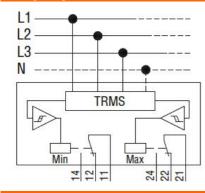
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IEC degree of protection		IP40 on front; IP20 at terminals
Dimensions (W x H x D)	mm	35.8 x 104.7 x 64.9
Weight	g	200

Dimensions



Wiring diagrams



Certifications and compliance

EAC

Complian

Compliance	
	IEC/EN 60255-5
	IEC/EN 61000-6-2
	IEC/EN 61000-6-3
Certificates	

ETIM classification

ETIM 8.0

EC001438 -Voltage monitoring relay