PMV80NA600

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, 480...600VAC 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)			100
	min	VAC	480
	Max	VAC	600
Voltage set-point (%Ue)		0/	00.05
	min	%	8095
	Max	%	105115
Frequency set-point (% rated frequency)		0/	4
	min May	%	1 10
Tripping delay	Max	% s	0.120s (0.1 5s freq.)
Resetting time		S	0.5
Resetting hysteresis		%	3 (0.5 freq)
Instantaneous tripping for Ue		70	Voltage <70% Ue
Type of reset			Automatic
Repeat accuracy		%	<=0.1
Tripping time for phase loss		ms	60
Relay outputs		1113	
Number of relays		Nr.	2
		111.	Normally
Relay state			energised De- energises at tripping

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ENERGY AND AUTOMATION

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		0
Contact arrangement		2 changeover SPDT
Rated operational voltage AC (IEC)	VAC	250
Maximum switching voltage	VAC	400
IEC Conventional free air thermal current Ith	А	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		3U
Minimum AC voltage		Yes
Maximum AC voltage		Yes
Natural loss		Yes
Phase loss		Yes
Incorrect phase sequence		Yes
Asymmetry		No
Minimum frequency		Yes
Maximum frequency		Yes
Programmable via NFC technology and APP		No
Indications		
Indication		1 green LED for power on and tripping and 3 red
Ormorations		LEDs for tripping
Connections		2
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		
120	min mm²	0.2
	Max mm ²	4
Insulations		-
Rated insulation voltage Ui	V	600
Rated impulse withstand voltage Uimp		6
Operating frequency withstand voltage	kV	4
Ambient conditions	κv	7
Temperature		
•		
Operating temperature	min °C	20
	min °C max °C	-20
01	max °C	+60
Storage temperature	· · · · · · · · · · · · · · · · · · ·	20
	min °C	-30
	max °C	+80
Housing		3
Execution (n° of modules)		
Material		Self-extinguishing polyamide
Mounting		35mm DIN rail (IEC/EN 60715)

PMV80NA600

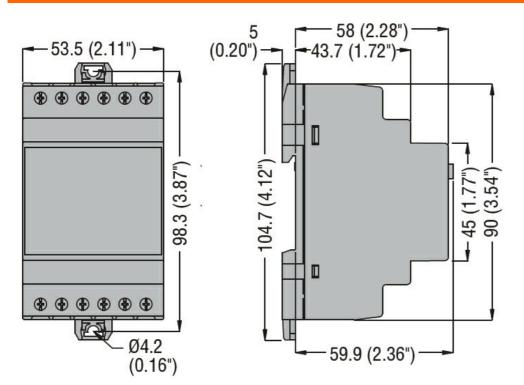
The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

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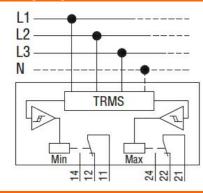
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IEC degree of protection		IP40 on front; IP20 at terminals
Dimensions (W x H x D)	mm	35.8 x 104.7 x 64.9
Weight	g	200

Dimensions



Wiring diagrams



Certifications and compliance

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

ETIM classification

ETIM 8.0

EC001438 -Voltage monitoring relay