

## PMV20A240 VOLTAGE MONITORING REALY FOR THREE-PHASE SYSTEM, WITHOUT NEUTRAL, PHASE LOSS AND INCORRECT PHASE SEQUENCE, 100...240VAC 50/60HZ



Product decignation			Voltage
Product designation			monitoring relays
Product type designation			PMV20
General characteristics			
			Phase loss and
Description			incorrect phase
			sequence relay
Type of system			Three-phase
Dever events			without neutral
Power supply Auxiliary supply voltage Us			Solf noworod
			Self powered 0.851.1 Ue
Operating voltage range		11-	
Rated frequency		Hz	50/60 ±5%
Power consumption Max		VA	28
Power dissipation Max		W	2.5
Control circut			
Rated voltage to control (Ue)			100
	min	VAC	100
	Max	VAC	240
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
			Normally
Relay state			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		A	8
UL/CSA and IEC/EN 60947-5-1 designation		Λ	B300
Electrical life (with rated load)		cycles	100000
Mechanical life		cycles	3000000
Functions		cycles	300000
Modular version			2U
Minimum AC voltage			No
Maximum AC voltage			No
Phase loss			Yes
			Yes
Incorrect phase sequence			162

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

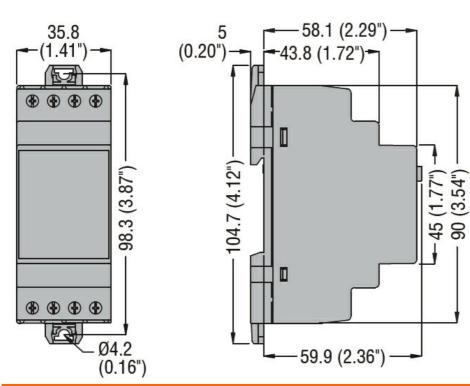


ENERGY AND AUTOMATION

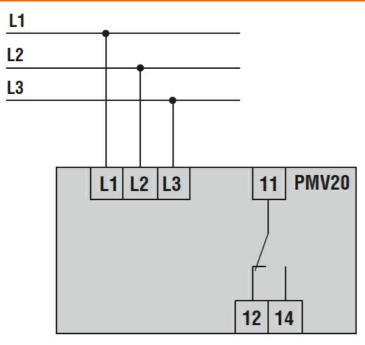
A				NI-
Asymmetry				No
Indications				
Indication				1 green LED for power on and
mulcation				tripping
Connections				tripping
Terminals type				Screw
Tightening torque f	for terminals			Corom
ngnioning lorquo i		max	Nm	0.8
		max	Ibin	7
Conductor cross s	ection	IIIdA	IDIII	1
	AWG/Kcmil			
	AWG/RCIIII	min	AWG	24
		Max	AWG	12
		XBIVI	AWG	12
	IEC			0.0
		min	mm²	0.2
Land to Carao		Max	mm²	4
Insulations	и. — ти		. <i>,</i> ,	
Rated insulation vo			V	600
	nstand voltage Uimp		kV	6
	cy withstand voltage		kV	4
Ambient conditions	5			
Temperature				
	Operating temperature			
		min	°C	-20
		max	°C	+60
	Storage temperature			
		min	°C	-30
		max	°C	+80
Housing				
Execution (n° of m	odules)			2
Material				Self-extinguishing
Material				polyamide
Mounting				35mm DIN rail
Mounting				(IEC/EN 60715)
	taction			IP40 on front;
IEC degree of prot				IP20 at terminals
	1 v D)		<b>m m</b>	35.8 x 104.7 x
Dimensions (W x H	יט א ר		mm	64.9
Weight			g	120
Dimensions			~	



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Wiring diagrams



Certifications and compliance			
Compliance			
	CSA C22.2 n° 14		
	IEC/EN 60255-5		
	IEC/EN 61000-6-2		
	IEC/EN 61000-6-3		
	UL 508		
Certificates			
	cULus		
	EAC		

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ETIM classification

ETIM 8.0

EC001438 -Voltage monitoring relay