

VOLTAGE MONITORING REALY FOR THREE-PHASE SYSTEM, WITHOUT NEUTRAL, ASYMMETRY. PHASE LOSS AND INCORRECT PHASE SEQUENCE, 208...240VAC 50/60HZ

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Product designation			Voltage monitoring relays
Product type designation			PMV40
General characteristics			
Description			Asymmetry, 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			0.71.2 Ue
Rated frequency		Hz	50/60 ±5%
Power consumption Max		VA	11
Power dissipation Max		W	2.5
Control circut			
Rated voltage to control (Ue)			
	min	VAC	208
	Max	VAC	240
Asymmetry set-point (%Ue)		%	515
Tripping delay		S	0.120
Resetting time		s	0.120 (0.5 at power up)
Resetting hysteresis		%	3
Instantaneous tripping for Ue			Voltage <70% Ue
Type of reset			Automatic
Repeat accuracy		%	<±0.1
Tripping time for phase loss		ms	60
Relay outputs		.	4
Number of relays		Nr.	Norma alle
			Normally energised De-
Relay state			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			B300
Electrical life (with rated load)		cycles	100000
Mechanical life		cycles	30000000
Functions		.,	
Modular version			2U
Minimum AC voltage			No



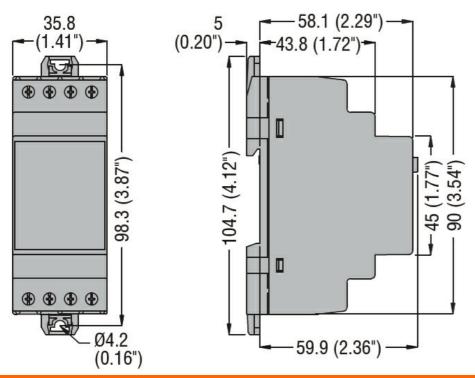


ENERGY AND AUTOMATION

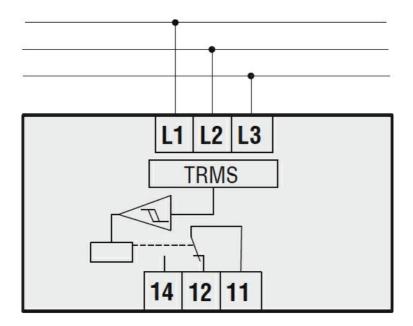
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Phase loss	Maximum AC voltage				No
Asymmetry					
Indications Indication 1 green LED for power on and tripping and 1 red pring proper or power on and tripping and 1 red pring pring to prove for terminals Errminals type Screw Tightening torque for terminals max Nm 0.8 AWG/Kcmil AWG/Kcmil min AWG 24 Max AWG 12 IEC min mm² 0.2 Insulations Rated insulation voltage Uim V 600 Rated insulation voltage Uimp V 6 Rated insulation voltage Uimp kV 6 Rated insulation voltage Uimp kV 6 Properature With a max "C -20 Max	Incorrect phase sequence	ce			Yes
Indication Ind					Yes
Propertions Propertion P					
Connections	Indication				power on and
Connections Terminals type Screw Tightening torque for terminals max					
Tightening torque for terminals	Connections				
Max Mm 0.8 max lbin 7	Terminals type				Screw
Max Mm 0.8 max lbin 7		minals			
Conductor cross section			max	Nm	0.8
AWG/Kcmil Min AWG 24 Max AWG 12 IEC			max	lbin	7
Max	Conductor cross section				
Nax AWG 12		AWG/Kcmil			
IEC			min	AWG	24
Max mm² 0.2 Max mm² 4 Max mm² 4 Max mm² 4 Max mm² 4 Max Max mm² 4 Max Ma			Max	AWG	12
Max mm² 4 Insulations Insulation with stand with stand voltage Uimp V 600 Rated impulse withstand voltage Uimp kV 6 Operating frequency withstand voltage kV 4 Ambient conditions Temperature min °C -20 max °C +60 Storage temperature min °C -20 max °C +60 Storage temperature min °C -30 max °C +80 Housing Self-extinguishing polyamide Execution (n° of modules) 2 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 35.8 x 104.7 x 64.9 Weight g 130	Ī	EC			
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Ambient conditions Temperature Poperating temperature Min o C o C o C o C o C o C o C o C o C o	Rated impulse withstand	voltage Uimp		kV	6
Temperature	Operating frequency with	nstand voltage		kV	4
Operating temperature min max °C very certain v	Ambient conditions				
Min	Temperature				
Max °C +60 Storage temperature min °C -30 max °C +80 Housing Execution (n° of modules) 2 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 35.8 x 104.7 x 64.9 Weight g 130	(Operating temperature			
Storage temperature min max °C max -30 max C +80 Housing Execution (n° of modules) 2 Self-extinguishing polyamide Material 35mm DIN rail (IEC/EN 60715) (IEC/EN 60715) 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 130			min	°C	-20
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IEC degree of protection IP40 on front; IP20 at terminals	Material				
IEC degree of protection IP20 at terminals Dimensions (W x H x D) mm 35.8 x 104.7 x 64.9 Weight g 130	Mounting				
Weight 64.9 130	IEC degree of protection	1			
·	Dimensions (W x H x D)			mm	
	Weight			g	130
	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

PMV40A240





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ETIM classification

ETIM 8.0

EC001438 -Voltage monitoring relay