



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	30
Power dissipation Max		W	2.5
Control circut			
Rated voltage to control (Ue)			
	min	VAC	380
	Max	VAC	575
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			
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		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			2U
Minimum AC voltage			No

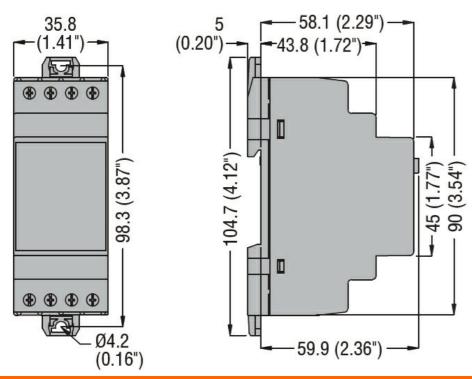
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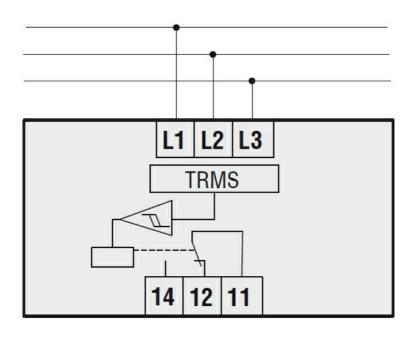


Maximum AC voltage		No
Phase loss		Yes
Incorrect phase sequence		Yes
Asymmetry		Yes
Indications		
		1 green LED for
Indication		power on and tripping and 1 red
		LED for tripping
Connections		
Terminals type		Screw
Tightening torque for terminals		
	max Nm	0.8
	max Ibir	
Conductor cross section		
AWG/Kcmil		
	min AW0	G 24
	Max AW0	G 12
IEC		
	min mm	² 0.2
	Max mm	² 4
Insulations		
Rated insulation voltage Ui	V	600
Rated impulse withstand voltage Uimp	kV	
Operating frequency withstand voltage	kV	4
Ambient conditions		
Temperature		
Operating temperature		00
	min °C	
<u>Otomo no tomo onotimo</u>	max °C	+60
Storage temperature	min °C	-30
	min °C max °C	-30 +80
Housing		+00
Execution (n° of modules)		2
		Self-extinguishing
Material		polyamide
Maria de la		35mm DIN rail
Mounting		(IEC/EN 60715)
IEC degree of protection		IP40 on front;
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
Dimensions		





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