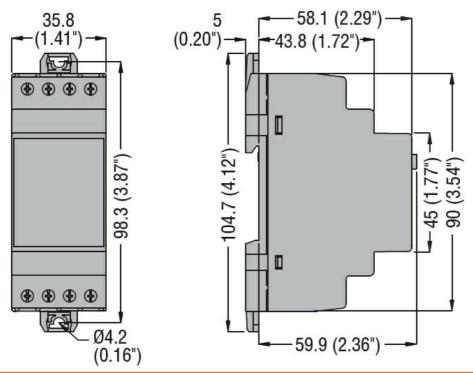


Product designation			Voltage monitoring relays
Product type designation			PMV40
General characteristics			
Description			Asymmetry, phase loss and incorrect phase sequence relay
Type of system			Three-phase without neutral
Power supply			without Heuthal
Auxiliary supply voltage Us			Self powered
Operating 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		Α	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

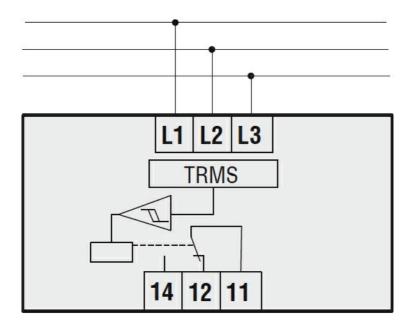




Maximum AC voltage			No
Phase loss			Yes
Incorrect phase sequence			Yes
Asymmetry			Yes
Indications			100
Indication  Connections			1 green LED for power on and tripping and 1 red LED for tripping
			Screw
Terminals type			Screw
Tightening torque for terminals		Nima	0.0
	max	Nm	0.8
One destant and a setting	max	Ibin	7
Conductor cross section			
AWG/Kcmil		A1A/C	24
	min	AWG	24
150	Max	AWG	12
ĪEC			0.0
	min	mm²	0.2
	Max	mm²	4
Insulations			
Rated insulation voltage Ui		V	600
Rated impulse withstand voltage Uimp		kV	6
Operating frequency withstand 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 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
Dimensions [mm (in)]			



## 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





ETIM classification

ETIM 8.0

EC001438 -Voltage monitoring relay