VOLTAGE MONITORING REALY FOR THREE-PHASE SYSTEM, WITHOUT NEUTRAL, PHASE LOSS AND INCORRECT PHASE SEQUENCE, 208...480VAC 50/60HZ

			Section 2
Product designation			Voltage
·			monitoring relays
Product type designation General characteristics			PMV10
General characteristics			Phase loss and
Description			incorrect phase
Description			sequence relay
			Three-phase
Type of system			without neutral
Power supply			
Auxiliary supply voltage Us			Self powered
Operating voltage range			0.851.1 Ue
Rated frequency		Hz	50/60 ±5%
Power consumption Max		VA	20
Power dissipation Max		W	2.2
Control circut			
Rated voltage to control (Ue)			
	min	VAC	208
	Max	VAC	480
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
•			1 changeover
Contact arrangement			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	3000000
Functions			
Modular version			1U
Minimum AC voltage			No
Maximum AC voltage			No
Phase loss			Yes
Incorrect phase sequence			Yes
		- 4	- 4

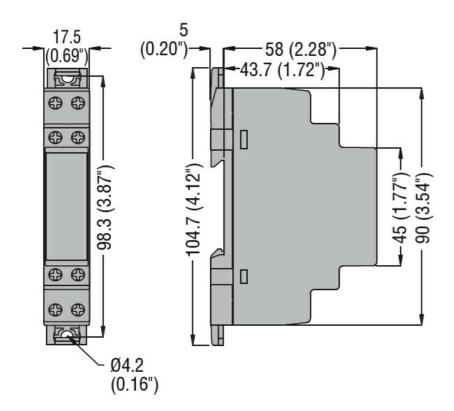
ENERGY AND AUTOMATION

VOLTAGE MONITORING REALY FOR THREE-PHASE SYSTEM, WITHOUT NEUTRAL, PHASE LOSS AND INCORRECT PHASE SEQUENCE, 208...480VAC 50/60HZ

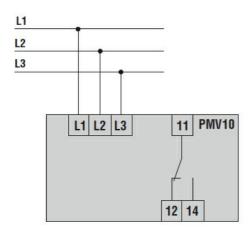
Indications	Asymmetry				No
Promination	Indications				
Terminals type					power on and
Tightening torque for terminals					_
Max Nm 0.8 max lbin 7					Screw
Max Ibin 7	Tightening torque f	or terminals			
Conductor cross section					
AWG/Kcmil			max	Ibin	7
Max	Conductor cross se				
Nax		AWG/Kcmil			
IEC					
Max mm²			Max	AWG	12
Insulations		IEC		_	
Rated insulation voltage Ui					
Rated insulation voltage Ui V 480 Rated impulse withstand voltage Uimp kV 6 Operating frequency withstand voltage kV 4 Ambient conditions Temperature Storage temperature min °C -20 max °C +60 Storage temperature min °C -30 max °C +80 Housing Execution (n° of modules) 1 Material Self-extinguishing polyamide Mounting IEC degree of protection IP40 on front; IP20 at terminals Dimensions (W x H x D) mm 17.5 x 104.7 x 63 Weight g 50			Max	mm²	4
Rated impulse withstand voltage Uimp					
Operating frequency withstand voltage kV 4 Ambient conditions Temperature min °C -20 max °C +60 Housing Execution (n° of modules) 1 Material Self-extinguishing polyamide Mounting IEC degree of protection IP40 on front; IP20 at terminals Dimensions (W x H x D) mm 17.5 x 104.7 x 63 Weight g 50		-			
Ambient conditions					
Temperature				kV	4
Operating temperature					
Min	Temperature				
Max °C +60		Operating temperature			
Storage temperature min °C -30 max °C +80			min		
Material Mounting Self-extinguishing polyamide Segment Semme Semme			max	°C	+60
Max °C +80		Storage temperature			
Housing Execution (n° of modules) 1 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 17.5 x 104.7 x 63 Weight g 50			min		
Execution (n° of modules) 1 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 17.5 x 104.7 x 63 Weight g 50			max	°C	+80
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 17.5 x 104.7 x 63 Weight g 50					
Mounting 35mm DIN rail (IEC/EN 60715) IEC degree of protection IP40 on front; IP20 at terminals Dimensions (W x H x D) mm 17.5 x 104.7 x 63 Weight g 50	Execution (n° of m	odules)			
Mounting 35mm DIN rail (IEC/EN 60715) IEC degree of protection IP40 on front; IP20 at terminals Dimensions (W x H x D) mm 17.5 x 104.7 x 63 Weight g 50	Material				
Mounting					
IP20 at terminals Dimensions (W x H x D) mm 17.5 x 104.7 x 63 Weight g 50	Mounting				
Weight g 50	IEC degree of prot	tection			
<u> </u>	Dimensions (W x F	1 x D)		mm	17.5 x 104.7 x 63
	Weight			g	50
	Dimensions				

ENERGY AND AUTOMATION

VOLTAGE MONITORING REALY FOR THREE-PHASE SYSTEM, WITHOUT NEUTRAL, PHASE LOSS AND INCORRECT PHASE SEQUENCE, 208...480VAC 50/60HZ



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



PMV10A440

VOLTAGE MONITORING REALY FOR THREE-PHASE SYSTEM, WITHOUT NEUTRAL, PHASE LOSS AND INCORRECT PHASE SEQUENCE, 208...480VAC 50/60HZ

ETIM 8.0

EC001438 -Voltage monitoring relay