

VOLTAGE MONITORING REALY FOR THREE-PHASE SYSTEM, WITHOUT NEUTRAL, MINIMUM AND MAXIMUM AC VOLTAGE AND ASYMMETRY. PHASE LOSS AND INCORRECT PHASE SEQUENCE, 600VAC 50/60HZ **ENERGY AND AUTOMATION**

_	-			
	11	LS	•	
	The last last a		- A - A - A	
		2 12 12 12 12 12 12 12 12 12 12 12 12 12		U U U

			0000
Draduat designation			Voltage
Product designation			monitoring relays
Product type designation			PMV70
General characteristics			
			Minimum and maximum AC
			voltage, phase
Description			loss, incorrect
			phase sequence
			and asymmetry
			relay
Type of system			Three-phase
			without neutral
Power supply			Colf mayyarad
Auxiliary supply voltage Us Operating voltage range			Self powered 0.71.2 Ue
Rated frequency		Hz	50/60 ±5%
Power consumption Max		VA	19
Power dissipation Max		W	2.5
Control circut		VV	2.5
Rated voltage to control (Ue)			
raisa vollago to control (co)	min	VAC	480
	Max	VAC	600
Voltage set-point (%Ue)			_
	min	%	8095
	Max	%	105115
Asymmetry set-point (%Ue)		%	515
Tripping delay		S	0.120
Resetting time		S	0.5
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
Number of relays		INI.	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		Α	8
UL/CSA and IEC/EN 60947-5-1 designation			B300

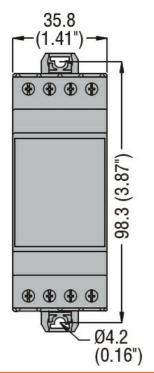


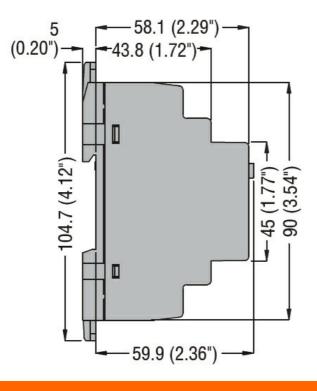
VOLTAGE MONITORING REALY FOR THREE-PHASE SYSTEM, WITHOUT NEUTRAL, MINIMUM AND MAXIMUM AC VOLTAGE AND ASYMMETRY. PHASE LOSS AND INCORRECT PHASE SEQUENCE, 600VAC 50/60HZ **ENERGY AND AUTOMATION**

Electrical life (with rated load)		cycles	100000
Mechanical life		cycles	30000000
Functions		0,0.00	
Modular version			2U
Minimum AC voltage			Yes
Maximum AC voltage			Yes
Phase loss			Yes
Incorrect phase sequence			Yes
Asymmetry			No
Indications			
Indication Connections			1 green LED for power on and tripping and 3 red LEDs for tripping
			Screw
Terminals type Tightening torque for terminals			JUIEW
rightening torque for terminals	max	Nm	0.8
	max	Ibin	7
Conductor cross section	Παλ	IDIII	
AWG/Kcmil			
AWO/ICIIII	min	AWG	24
	Max	AWG	12
IEC	IVICA	7,1110	12
	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		У	100
Birrondiono			



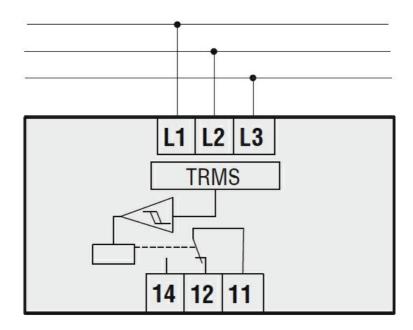
VOLTAGE MONITORING REALY FOR THREE-PHASE SYSTEM, WITHOUT NEUTRAL, MINIMUM AND MAXIMUM AC VOLTAGE AND ASYMMETRY. PHASE LOSS AND INCORRECT PHASE **ENERGY AND AUTOMATION** SEQUENCE, 600VAC 50/60HZ





Wiring diagrams

PMV70A600



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				

PMV70A600



VOLTAGE MONITORING REALY FOR THREE-PHASE SYSTEM, WITHOUT NEUTRAL, MINIMUM AND MAXIMUM AC VOLTAGE AND ASYMMETRY. PHASE LOSS AND INCORRECT PHASE **ENERGY AND AUTOMATION** SEQUENCE, 600VAC 50/60HZ

ETIM classification

ETIM 8.0

EC001438 -Voltage monitoring relay