

## PMV20A575 VOLTAGE MONITORING REALY FOR THREE-PHASE SYSTEM, WITHOUT NEUTRAL, PHASE LOSS AND INCORRECT PHASE SEQUENCE, 208...575VAC 50/60HZ



Product designation			Voltage
r loudet designation			monitoring relays
Product type designation			PMV20
General characteristics			
			Phase loss and
Description			incorrect phase
			sequence relay
Type of system			Three-phase
			without neutral
Power supply			Colf nowarad
Auxiliary supply voltage Us			Self powered
Operating voltage range			0.851.1 Ue
Rated frequency		Hz	50/60 ±5%
Power consumption Max		VA	28
Power dissipation Max		W	2.5
Control circut			
Rated voltage to control (Ue)			
	min	VAC	208
	Max	VAC	575
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
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	3000000
Functions			
Modular version			2U
Minimum AC voltage			No
Maximum AC voltage			No
Phase loss			Yes
Incorrect phase sequence			Yes

PMV20A575

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ENERGY AND AUTOMATION

Asymmetry				No
Indications				
Indication				1 green LED for power on and tripping
Connections				
Terminals type				Screw
Tightening torque f	for terminals			
		max	Nm	0.8
		max	lbin	7
Conductor cross s	ection			
	AWG/Kcmil			
		min	AWG	24
		Max	AWG	12
	IEC			
		min	mm²	0.2
		Max	mm²	4
Insulations				
Rated insulation vo	bltage Ui		V	600
Rated impulse with	nstand voltage Uimp		kV	6
Operating frequence	cy withstand voltage		kV	4
Ambient conditions	S			
Temperature				
-	Operating temperature			
		min	°C	-20
		max	°C	+60
	Storage temperature			
	<b>C</b> .	min	°C	-30
		max	°C	+80
Housing				
Execution (n° of m	odules)			2
Material	· · · · · ·			Self-extinguishing polyamide
Mounting				35mm DIN rail (IEC/EN 60715)
IEC degree of pro	tection			IP40 on front; IP20 at terminals
Dimensions (W x H	H x D)		mm	35.8 x 104.7 x 64.9
Weight			g	120
Dimensions [mm (i	in)]			

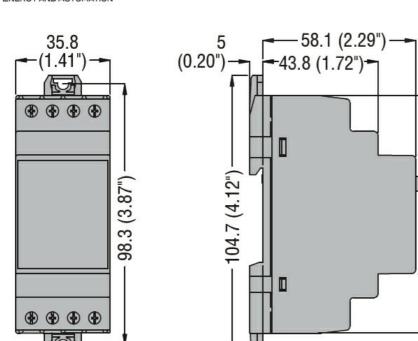


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90 (3.54")

45 (1.77"

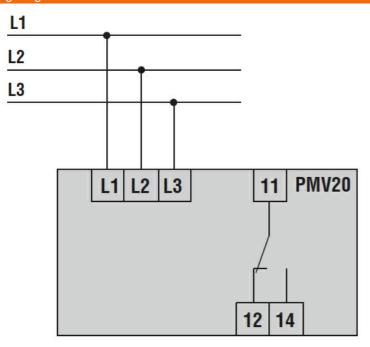
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Wiring diagrams

Ø4.2

(0.16")



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		

59.9 (2.36") -

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ETIM classification

**ETIM 8.0** 

EC001438 -Voltage monitoring relay