



Draduct designation			Voltage
Product designation			monitoring relays
Product type designation			PMV20
General characteristics			
Development			Phase loss and
Description			incorrect phase 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	28
Power dissipation Max		W	2.5
Control circut			
Rated voltage to control (Ue)			
5	min	VAC	208
		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
Polov stato			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		А	8
UL/CSA and IEC/EN 60947-5-1 designation		<u> </u>	B300
Electrical life (with rated load)		ycles	100000
Mechanical life	C	cycles	3000000
Functions			
Modular version			20
Minimum AC voltage			No
Maximum AC voltage			No
Phase loss			Yes
Incorrect phase sequence			Yes

PMV20A575

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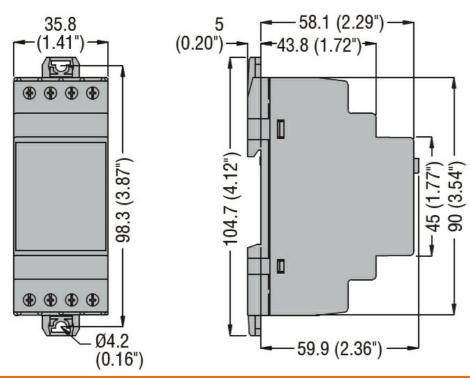
RELAIS DE MESURE/CONTRÔLE DE TENSION, DÉCLE. INST. 2 MOD. 3L, ABSENCE ET ORDRE DE PHASE, 208V-575VAC

**PMV20A575** 

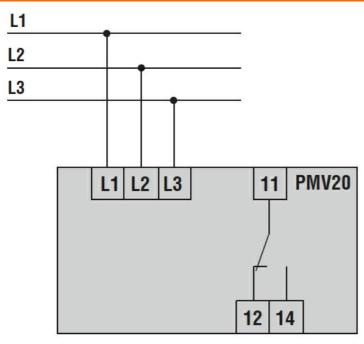
Asymmetry		No
Indications		
Indication		1 green LED for power on and tripping
Connections		
Terminals type		Screw
Tightening torque for terminals		
	max Nn	
	max Ibi	n 7
Conductor cross section		
AWG/Kcmil		
	min AW	
	Max AW	G 12
IEC		
	min mn	1² 0.2
	Max mm	1 <sup>2</sup> 4
Insulations		
Rated insulation voltage Ui	V	600
Rated impulse withstand voltage Uimp	k∖	6
Operating frequency withstand voltage	k∖	′ 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-extinguishir polyamide
Mounting		35mm DIN rail (IEC/EN 60715)
IEC degree of protection		IP40 on front; IP20 at terminals
Dimensions (W x H x D)	mr	35 8 x 104 7 x
Weight	g	
Dimensions		



## **PMV20A575** RELAIS DE MESURE/CONTRÔLE DE TENSION,DÉCLE.INST. 2 MOD. 3L, ABSENCE ET ORDRE DE PHASE , 208V-575VAC



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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ENERGY AND AUTOMATION

ETIM classification

**ETIM 8.0** 

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> EC001438 -Voltage monitoring relay

**PMV20A575**