

MULTIFUNCTION VOLTAGE AND FREQUENCY MONITORING RELAY FOR THREE-PHASE SYSTEMS WITH OR WITHOUT NEUTRAL WITH NFC TECHNOLOGY AND APP. 380...575VAC 50/60HZ

Product designation Product type designation			Multifunction voltage and frequency monitoring relays with NFC technology PMV95N
General characteristics			Minimum and
Description Type of system			maximum AC voltage, minimum and maximum frequency, phase loss,neutral loss, incorrect phase sequence and asymmetry relay Three-phase with/without neutral
Power supply Auxiliary supply voltage Us			Self powered
			Sell DOwered
Operating voltage range		Hz	0.71.2 Ue
Operating voltage range Rated frequency		Hz VA	
Operating voltage range			0.71.2 Ue 50/60 ±5%
Operating voltage range Rated frequency Power consumption Max Power dissipation Max		VA	0.71.2 Ue 50/60 ±5% 30
Operating voltage range Rated frequency Power consumption Max Power dissipation Max Control circut	min	VA W VAC	0.71.2 Ue 50/60 ±5% 30 2.5 380
Operating voltage range Rated frequency Power consumption Max Power dissipation Max Control circut Rated voltage to control (Ue)	min Max	VA W	0.71.2 Ue 50/60 ±5% 30 2.5
Operating voltage range Rated frequency Power consumption Max Power dissipation Max Control circut	Max	VA W VAC VAC	0.71.2 Ue 50/60 ±5% 30 2.5 380 575
Operating voltage range Rated frequency Power consumption Max Power dissipation Max Control circut Rated voltage to control (Ue)	Max min	VA W VAC VAC	0.71.2 Ue 50/60 ±5% 30 2.5 380 575 8095
Operating voltage range Rated frequency Power consumption Max Power dissipation Max Control circut Rated voltage to control (Ue) Voltage set-point (%Ue)	Max	VA W VAC VAC % %	0.71.2 Ue 50/60 ±5% 30 2.5 380 575 8095 105115
Operating voltage range Rated frequency Power consumption Max Power dissipation Max Control circut Rated voltage to control (Ue) Voltage set-point (%Ue) Asymmetry set-point (%Ue)	Max min	VA W VAC VAC	0.71.2 Ue 50/60 ±5% 30 2.5 380 575 8095
Operating voltage range Rated frequency Power consumption Max Power dissipation Max Control circut Rated voltage to control (Ue) Voltage set-point (%Ue)	Max min	VA W VAC VAC % %	0.71.2 Ue 50/60 ±5% 30 2.5 380 575 8095 105115
Operating voltage range Rated frequency Power consumption Max Power dissipation Max Control circut Rated voltage to control (Ue) Voltage set-point (%Ue) Asymmetry set-point (%Ue)	Max min Max	VA W VAC VAC % % %	0.71.2 Ue 50/60 ±5% 30 2.5 380 575 8095 105115 515
Operating voltage range Rated frequency Power consumption Max Power dissipation Max Control circut Rated voltage to control (Ue) Voltage set-point (%Ue) Asymmetry set-point (%Ue)	Max min Max min	VA W VAC VAC % %	0.71.2 Ue 50/60 ±5% 30 2.5 380 575 8095 105115 515 9099
Operating voltage range Rated frequency Power consumption Max Power dissipation Max Control circut Rated voltage to control (Ue) Voltage set-point (%Ue) Asymmetry set-point (%Ue) Frequency set-point (% rated frequency) Tripping delay Resetting time	Max min Max min	VA W VAC VAC % % % % % S S	0.71.2 Ue 50/60 ±5% 30 2.5 380 575 8095 105115 515 9099 101110 0.130 0.130
Operating voltage range Rated frequency Power consumption Max Power dissipation Max Control circut Rated voltage to control (Ue) Voltage set-point (%Ue) Asymmetry set-point (%Ue) Frequency set-point (% rated frequency) Tripping delay Resetting time Resetting hysteresis	Max min Max min	VA W VAC VAC % % % % % s	0.71.2 Ue 50/60 ±5% 30 2.5 380 575 8095 105115 515 9099 101110 0.130 0.130 15
Operating voltage range Rated frequency Power consumption Max Power dissipation Max Control circut Rated voltage to control (Ue) Voltage set-point (%Ue) Asymmetry set-point (%Ue) Frequency set-point (% rated frequency) Tripping delay Resetting time	Max min Max min	VA W VAC VAC % % % % % S S	0.71.2 Ue 50/60 ±5% 30 2.5 380 575 8095 105115 515 9099 101110 0.130 0.130 15 Voltage <70% Ue
Operating voltage range Rated frequency Power consumption Max Power dissipation Max Control circut Rated voltage to control (Ue) Voltage set-point (%Ue) Frequency set-point (%Ue) Frequency set-point (% rated frequency) Tripping delay Resetting time Resetting hysteresis Instantaneous tripping for Ue Type of reset	Max min Max min	VA W VAC VAC % % % % S S %	0.71.2 Ue 50/60 ±5% 30 2.5 380 575 8095 105115 515 9099 101110 0.130 0.130 15 Voltage <70% Ue Automatic or manual
Operating voltage range Rated frequency Power consumption Max Power dissipation Max Control circut Rated voltage to control (Ue) Voltage set-point (%Ue) Frequency set-point (%Ue) Frequency set-point (%Ue) Tripping delay Resetting time Resetting hysteresis Instantaneous tripping for Ue Type of reset Repeat accuracy	Max min Max min	VA W VAC VAC % % % % % S S	0.71.2 Ue 50/60 ±5% 30 2.5 380 575 8095 105115 515 9099 101110 0.130 0.130 15 Voltage <70% Ue Automatic or
Operating voltage range Rated frequency Power consumption Max Power dissipation Max Control circut Rated voltage to control (Ue) Voltage set-point (%Ue) Frequency set-point (%Ue) Frequency set-point (% rated frequency) Tripping delay Resetting time Resetting hysteresis Instantaneous tripping for Ue Type of reset	Max min Max min	VA W VAC VAC % % % % S S %	0.71.2 Ue 50/60 ±5% 30 2.5 380 575 8095 105115 515 9099 101110 0.130 0.130 15 Voltage <70% Ue Automatic or manual

PMV95NA575NEC The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



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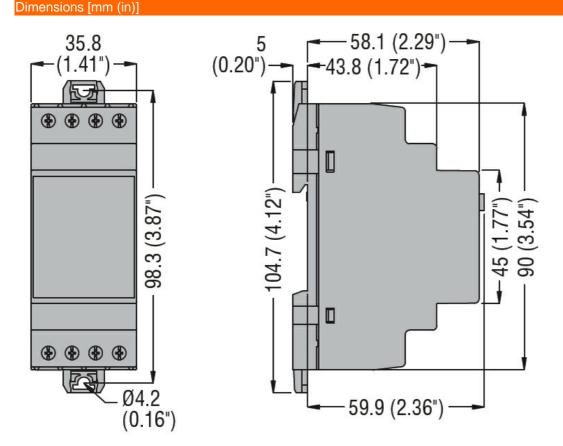
			Normally
			energised De-
Relay state			energises at
			tripping
Contact arrangeme	ent		1 changeover SPDT
Rated operational	voltage AC (IEC)	VAC	250
Maximum switching	g voltage	VAC	400
IEC Conventional f	ree air thermal current Ith	A	8
UL/CSA and IEC/E	EN 60947-5-1 designation		B300
Electrical life (with	rated load)	cycles	100000
Mechanical life		cycles	3000000
Functions			
Modular version			2U
Minimum AC voltage	ge		Yes
Maximum AC volta	ige		Yes
Natural loss			Yes
Phase loss			Yes
Incorrect phase se	equence		Yes
Asymmetry	•		Yes
Minimum frequenc	V		Yes
Maximum frequence	-		Yes
	NFC technology and APP		Yes
Indications			
Indication			1 green LED for power and 5 red
			LEDs for tripping
Connections			
Terminals type			Screw
Tightening torque f	for terminals		
		max Nm	0.8
		max Ibin	7
Conductor cross s			
	AWG/Kcmil		
		min AWG	24
		Max AWG	12
	IEC		
		min mm²	0.2
		Max mm²	4
Insulations			
Rated insulation vo	-	V	600
· · · · · · · · · · · · · · · · · · ·	nstand voltage Uimp	kV	6
	cy withstand voltage	kV	4
Ambient conditions	3		
Temperature			
	Operating temperature		
		min °C	-20
		max °C	+60
	Storage temperature		
		min °C	-30
		max °C	+80
Housing			
			0
Execution (n° of m	odules)		2



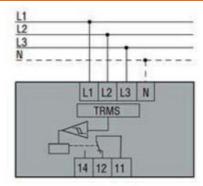
ENERGY AND AUTOMATION

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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



Wiring diagrams



Certifications and	l compliance	
Compliance		
	CSA C22.2 n°14	
	IEC/EN 60255-26	
	IEC/EN 60255-27	
	UL508	
Certificates		



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	cULus
	EAC
classification	

ETIM 8.0

ETIM d

EC001438 -Voltage monitoring relay