PMV95NA240NFC

MULTIFUNCTION VOLTAGE AND FREQUENCY MONITORING RELAY FOR THREE-PHASE SYSTEMS WITH OR WITHOUT NEUTRAL WITH NFC TECHNOLOGY AND APP. 208...240VAC 50/60HZ



Product designation			Multifunction voltage and frequency monitoring relays with NFC technology
Product type designation			PMV95N
General characteristics			
Description			Minimum and maximum AC voltage, minimum and maximum frequency, phase loss,neutral loss, incorrect phase sequence and asymmetry relay
Type of system			Three-phase with/without neutral
Power supply			
Auxiliary supply voltage Us			Self powered
Operating voltage range			0.7...1.2 Ue
Rated frequency		Hz	50/60 ±5%
Power consumption Max		VA	30
Power dissipation Max		W	2.5
Control circut			
Rated voltage to control (Ue)			
	min	VAC	208
	Max	VAC	240
Voltage set-point (%Ue)			
	min	%	80…95
	Max	%	105…115
Asymmetry set-point (%Ue)		%	5…15
Frequency set-point (% rated frequency)			
	min	%	90…99
	Max	%	101…110
Tripping delay		s	0.1…30
Resetting time		s	0.1…30
Resetting hysteresis		%	1…5
Instantaneous tripping for Ue			Voltage <70% Ue
Type of reset			Automatic or manual
Repeat accuracy		%	<±0.1
Relay outputs			
Number of relays		Nr.	1

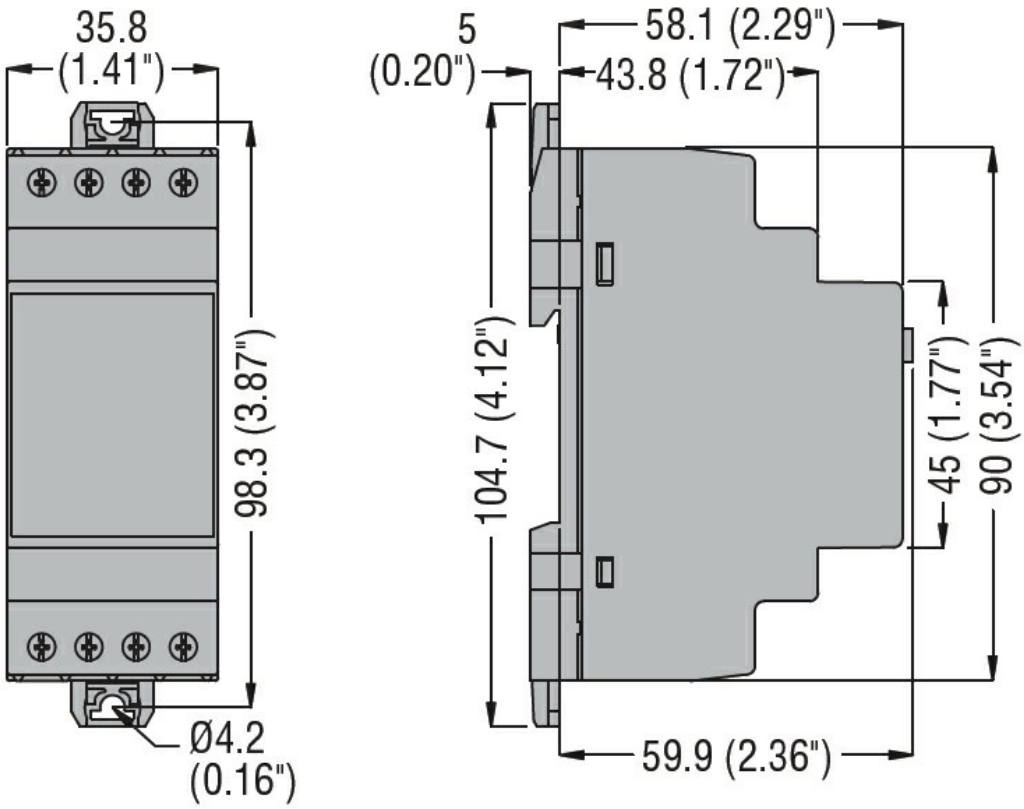
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Relay state			Normally energised De-energises at tripping
Contact arrangement			1 changeover SPDT
Rated operational voltage AC (IEC)		VAC	250
Maximum switching voltage		VAC	400
IEC Conventional free air thermal current Ith		A	8
UL/CSA and IEC/EN 60947-5-1 designation			B300
Electrical life (with rated load)		cycles	100000
Mechanical life		cycles	30000000
Functions			
Modular version			2U
Minimum AC voltage			Yes
Maximum AC voltage			Yes
Natural loss			Yes
Phase loss			Yes
Incorrect phase sequence			Yes
Asymmetry			Yes
Minimum frequency			Yes
Maximum frequency			Yes
Programmable via NFC technology and APP			Yes
Indications			
Indication			1 green LED for power and 5 red LEDs for tripping
Connections			
Terminals type			Screw
Tightening torque for terminals			
	max	Nm	0.8
	max	Ibin	7
Conductor cross section			
AWG/Kcmil			
	min	AWG	24
	Max	AWG	12
IEC			
	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

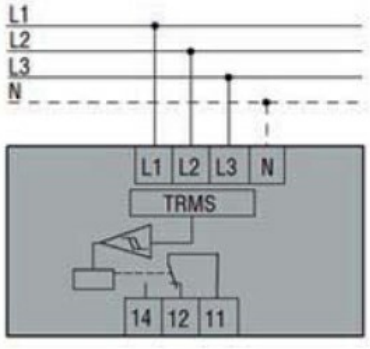
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Material		Self-extinguishing polyamide
Mounting		35mm DIN rail (IEC/EN 60715)
IEC degree of protection		IP40 on front; IP20 at terminals
Dimensions (W x H x D)	mm	35.8 x 104.7 x 64.9
Weight	g	130

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n°14
IEC/EN 60255-26
IEC/EN 60255-27
UL508

Certificates

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	cULus
	EAC

ETIM classification

ETIM 8.0	EC001438 - Voltage monitoring relay

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