

Product designation	Multifunction voltage and frequency monitoring relays with NFC technology		
Product type designation	PMV95N		
General characteristics			
Description	Minimum and maximum AC voltage and frequency, phase loss, neutral loss, incorrect phase sequence and asymmetry relay		
Type of system	Three phase with/without neutral		
Power supply			
Auxiliary supply voltage U_s	Self powered		
Operating voltage range	0.7...1.2 U_e		
Rated frequency	Hz	50/60 \pm 5%	
Power consumption Max	VA	30	
Power dissipation Max	W	2.5	
Control circuit			
Rated voltage to control (U_e)	min	VAC	380
	Max	VAC	575
Voltage set-point (% U_e)	min	%	80...95
	Max	%	105...115
Asymmetry set-point (% U_e)		%	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 U_e	Voltage <70% U_e		
Type of reset	Automatic or manual		
Repeat accuracy		%	< \pm 0.1
Relay outputs			
Number of relays	Nr.	1	
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 I_{th}	A	8	

UL/CSA and IEC/EN 60947-5-1 designation		B300	
Electrical life (with rated load)		cycles	100000
Mechanical life		cycles	30000000
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	lbin 7
Conductor cross section			
AWG/Kcmil		min	AWG 24
		Max	AWG 12
IEC		min	mm ² 0.2
		Max	mm ² 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			
Wiring diagrams			
Certifications and compliance			
Compliance		CSA C22.2 n°14	
		IEC/EN 60255-26	
		IEC/EN 60255-27	
		UL508	
Certificates		cULus	
		EAC	

ETIM classification

ETIM 8.0

EC001438 -
Voltage
monitoring relay