



General characteristics

Description	Dual threshold minimum and maximum voltage and frequency protection. R.O.C.O.F and Vector shift
Type of system	Single-phase and three-phase, with and without neutral

Power supply

Operating voltage range	22...264VAC / 22...264VDC
Rated frequency	Hz 45...55
Power consumption Max	VA 6.2
Power dissipation Max	W 2

Auxiliary supply

Rated auxiliary supply voltage Us	AC	min	VAC	24
		Max	VAC	240
	DC	min	VDC	24
		Max	VDC	240

Power consumption	AC (Max)	VA	2.5VA at 24VAC; 6.2VA at 240VAC
	DC (Max)	VA	60mA at 24VDC; 7mA at 240VDC

Power dissipation	AC (Max)	W	1.6W at 24VAC; 2W at 240VAC
	DC (Max)	W	1.5W at 24VDC; 1.7W at 240VDC

Immunity time for microbreakings	ms	240VAC 50Hz
		≤2000ms
		240VDC
		≤1000ms
		24VAC 50Hz
		≤30ms
		24VDC ≤15ms

Voltage inputs

Maximum rated operational voltage		400VAC L-L; 230VAC L-N 50Hz
Measurement range	V	10...520VAC L-L; 5...300VAC L-N
Frequency range	Hz	45...55

Current inputs

Measurement method		TRMS
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Relay outputs

Number of relays	Nr.	3
Contact arrangement		2 changeover contacts + 1NO
Rated operational voltage AC (IEC)	VAC	250
UL/CSA and IEC/EN 60947-5-1 designation		For OUT1-OUT2 contact: 8A 250VAC AC1/C300, 8A 30VDC
		For OUT3 contact: 2A 250VAC AC1/C300; 2A 30VDC

Digital inputs

Number and type of inputs		5 to be used with dry contact with common terminal
Input current	mA	6

Connections

Terminals type		Screw - removable		
Tightening torque for terminals	max	Nm	0.44	
	max	Ibin	4	
Conductor cross section	AWG/Kcmil	min	AWG	24
		Max	AWG	12
	IEC	min	mm ²	0.2
		Max	mm ²	2.5

Insulations

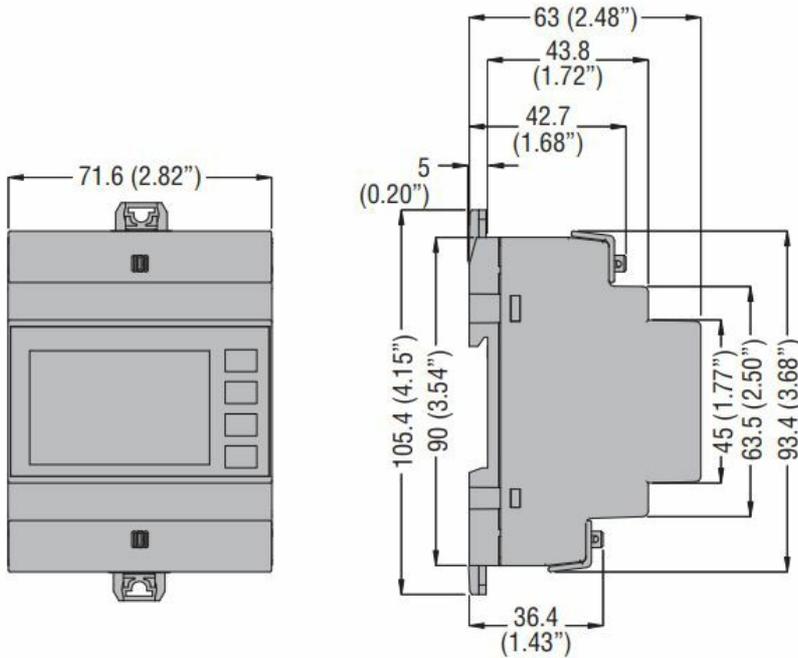
Rated insulation voltage Ui	V	300
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Housing

Execution (n° of modules)		4
Material		Polyamide

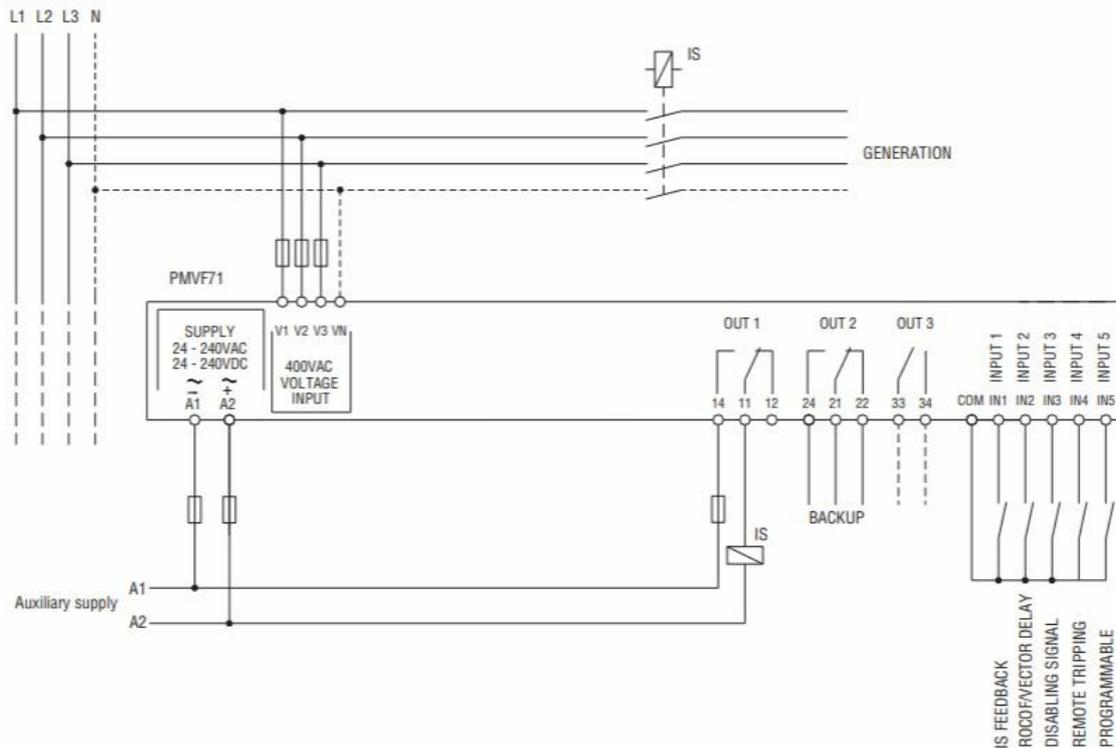
Mounting		35mm DIN rail or screw-type by means of clips removable
IEC degree of protection		IP40 on front; IP20 at terminals
Dimensions (W x H x D)	mm	71.6 x 105.4 x 63
Weight	g	326

Dimensions



Wiring diagrams

LOW VOLTAGE DISTRIBUTION NETWORK



Certifications and compliance

Compliance

INTERFACE PROTECTION SYSTEM UNIT COMPLIANT WITH ENA (ENERGY NETWORK ASSOCIATION) ENGINEERING RECOMMENDATION G99 FOR SINGLE-PHASE AND THREE-PHASE SYSTEM WITH AND WITHOUT LOW VOLTAGE NEUTRAL, DUAL THRESHOLD MINIMUM AND MAXIMUM VOLTAGE AND FREQUENCY PROTECTION, R.O.C.O.F. AND VECTOR SUIET MODULE TYPE (A11)

ENA (Energy Network Association) Engineering recommendation G99

IEC/EN/BS 60255-26.

IEC/EN/BS 60255-27

ETIM classification

ETIM 8.0

EC001438 -
Voltage
monitoring relay