



Interface
protection
system units
compliant with
italian standard
CEI 0-21
PMVF52

Product designation

Product type designation

General characteristics

Description

System with or
without neutral in
low voltage. Dual
threshold
minimum and
maximum voltage
and frequency
protection.

Type of system

Three-phase
with/without
neutral / Single-
phase

Power supply

Operating voltage range

21...264VAC /
21...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)

INTERFACE DE PROTECTION CONFORME À LA NORME ITALIENNE CEI 0-21, POUR
SYSTÈME MONOPHASÉ ET TRIPHASÉ, AVEC OU SANS NEUTRE, BASSE TENSION,
PROTECTION À DOUBLE SEUIL MINIMUM ET MAXIMUM DE TENSION ET DE FRÉQUENCE,
230VAC - 400VAC

	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	40...480VAC L- L; 23...277VAC L-N
Frequency range	Hz	45...55

Relay outputs

Number of relays	Nr.	3
Contact arrangement		2 changeover contact/SPDT each + 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.
Input voltage		12VDC isolated
Input current	mA	6

Connections

Terminals type		Screw - removable
Tightening torque for terminals	max max	Nm lbin 0.8 4.5
Conductor cross section		
AWG/Kcmil	min Max	AWG AWG 24 12
IEC	min Max	mm ² mm ² 0.2 4

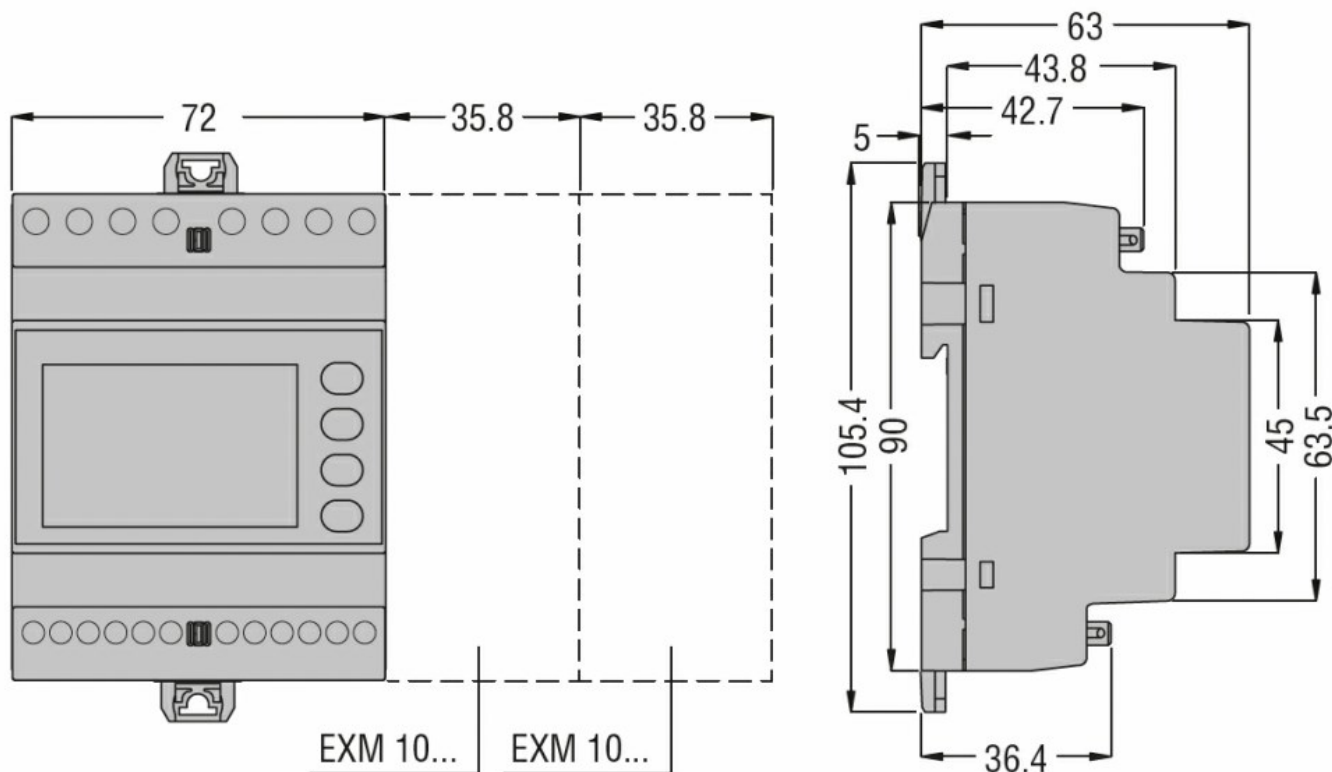
Insulations

Rated insulation voltage Ui	V	300
Housing		
Execution (n° of modules)		4
Material		Polyamide

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Mounting	Modular 4U	
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

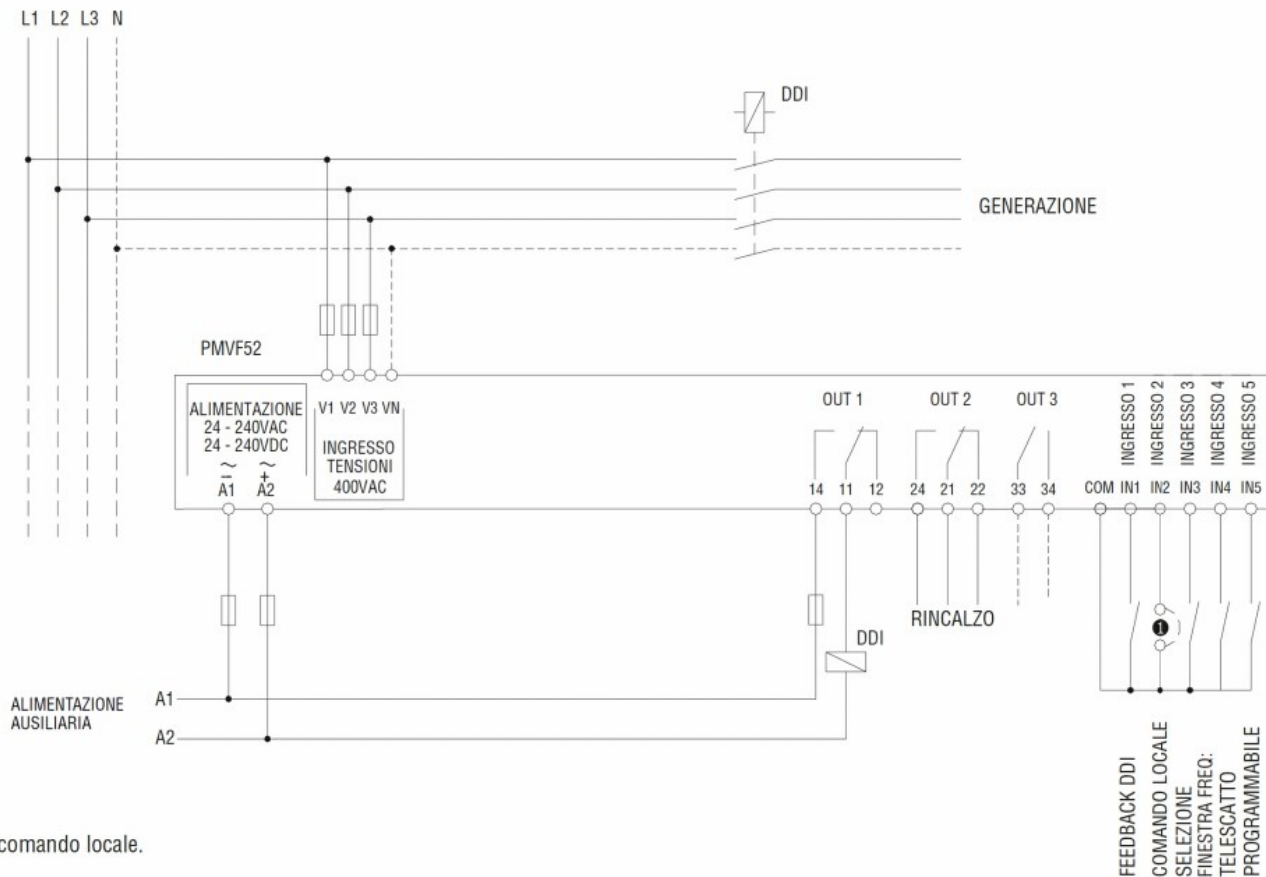


Wiring diagrams

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Collegamento trifase

RETE DI DISTRIBUZIONE IN BASSA TENSIONE



① Scelta comando locale.

Certifications and compliance

Compliance

IEC/EN/BS 60255-27
IEC/EN/BS 61000-6-2
IEC/EN/BS 61000-6-4
IEC/EN/BS 61010-1

Certificates

CEI 0-21

ETIM classification

ETIM 8.0

EC001438 -
Voltage
monitoring relay