



Interface protection system units compliant with Italian standard CEI 0-16
PMVF3000

Product designation

Product type designation

General characteristics

Description

System without neutral in medium voltage. Dual threshold minimum and maximum voltage and frequency protection.

Type of system

Three-phase without neutral

Power supply

Operating voltage range

90...264VAC / 100...300VDC

Rated frequency

Hz 45...55

Power consumption Max

VA 15

Power dissipation Max

W 6

Control circuit

Rated current (Ie)

A CT /5A /1A

Auxiliary supply

Rated auxiliary supply voltage Us
AC

min	VAC	100
Max	VAC	240

DC

min	VDC	110
Max	VDC	250

Power consumption

AC (Max)

VA 15

Power dissipation

AC (Max)

W 6

Immunity time for microbreakings

ms 50

Voltage inputs

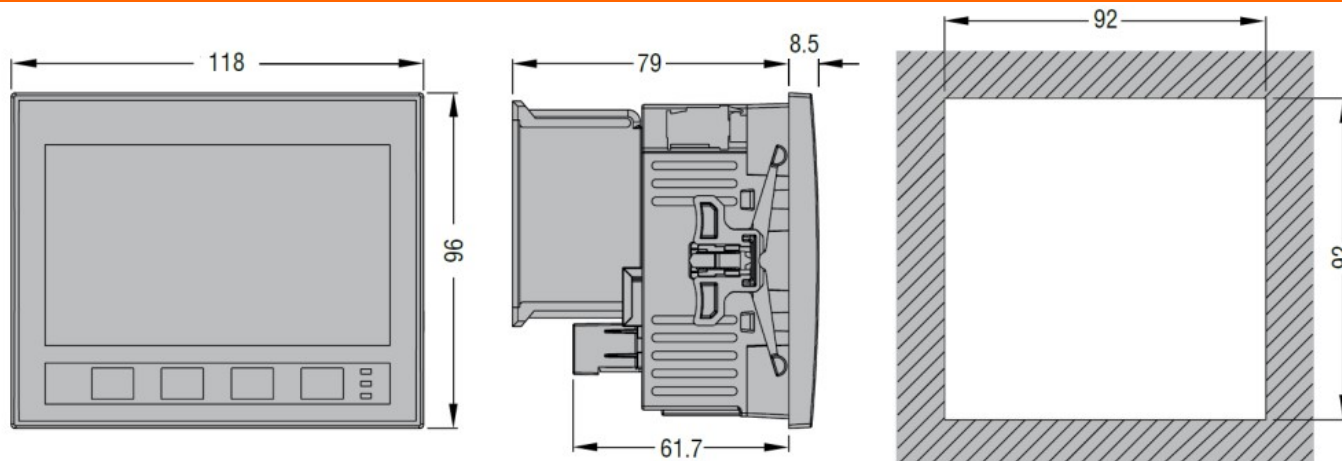
Maximum rated operational voltage

40...600VAC (for voltages/frequency / 0...85VAC (for residual voltage measurement)

Measurement range	V	400-150000V (VT primary)
Frequency range	Hz	45...55
Current inputs		
Measurement range		For 1A scale: 0.01...1.2A; for 5A scale: 0.01... 6A
Type of input		Shunts powered by external current transformer (low voltage) 5A max
Measurement method		RMS
Overload peak	A	50A for 1 second
Burden per phase	W	≤0.3W
Relay outputs		
Number of relays	Nr.	2
Contact arrangement		2 changeover contact/SPDT each
Rated operational voltage AC (IEC)	VAC	250
UL/CSA and IEC/EN 60947-5-1 designation		5A 250VAC AC1/B300; 5A 30VDC
Digital inputs		
Number and type of inputs		4 negative (NPN)
Input voltage		Dry contact
Input current	mA	7
Connections		
Terminals type		Screw - removable
Tightening torque for terminals	max max	Nm lbin 0.5 4.5
Conductor cross section		
AWG/Kcmil	min Max	AWG AWG 24 12
IEC	min Max	mm ² mm ² 0.2 2.5
Insulations		
Rated insulation voltage Ui	V	600
Ambient conditions		
Temperature		
Operating temperature	min max	°C °C -20 +60
Storage temperature	min max	°C °C -30 +80
Housing		
Material		Polyamide
Mounting		Flush mount

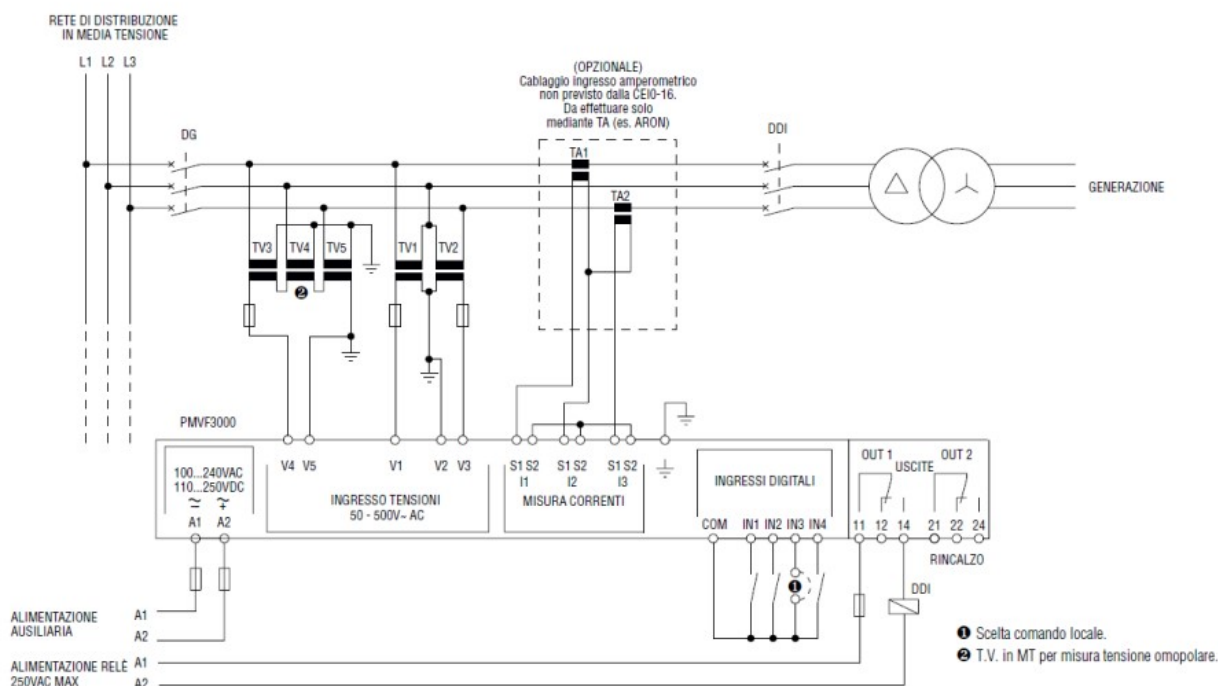
IEC degree of protection		IP65 on front; IP20 at terminals
Dimensions (W x H x D)	mm	18 x 96 x 79
Weight	g	389

Dimensions

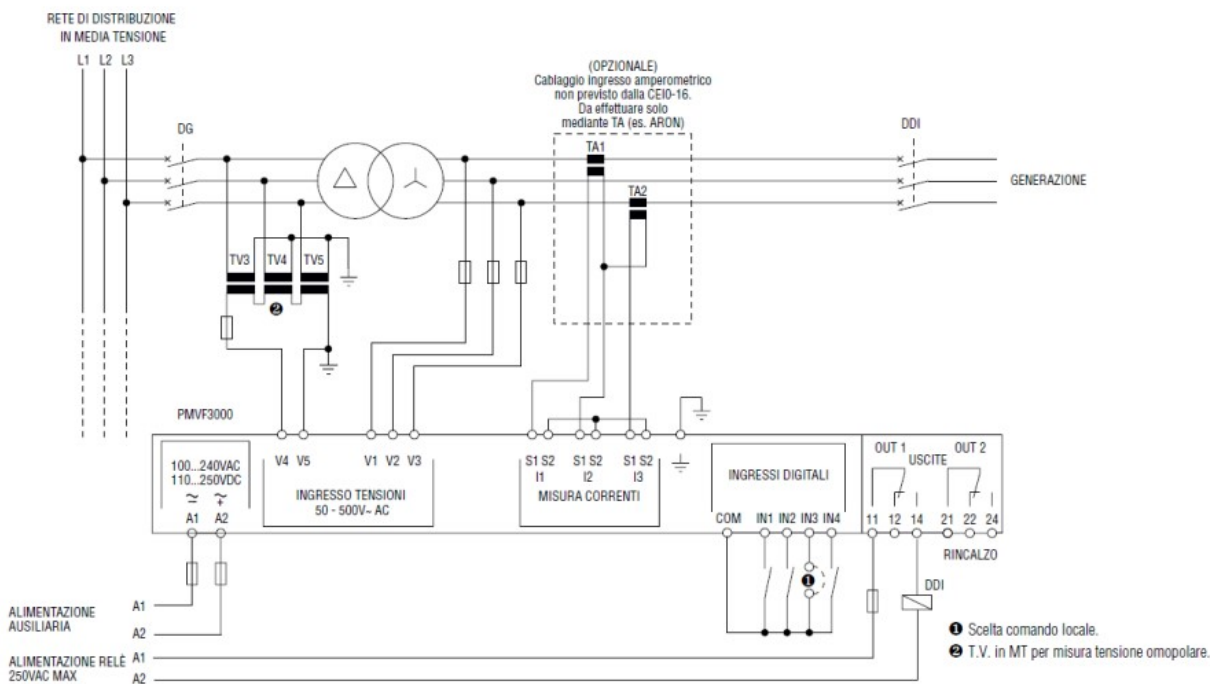


Wiring diagrams

Inserzione tramite T.V. in MT
Collegamento trifase



Inserzione diretta in BT
Collegamento trifase



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 0-16

ETIM classification

ETIM 8.0

EC001438 -
Voltage
monitoring relay