



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

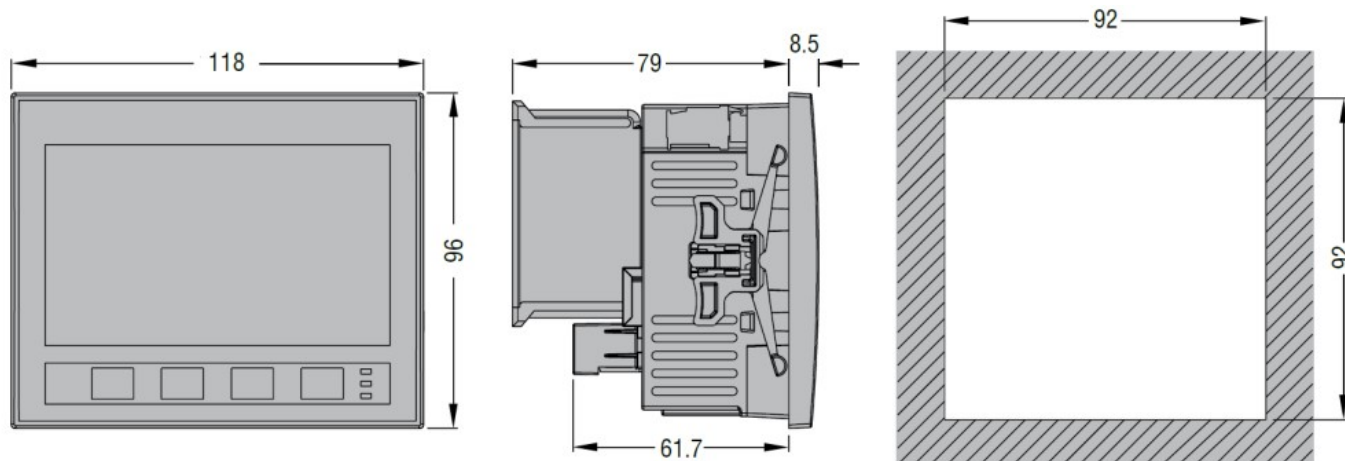
Hz 45...55

Current inputs

Measurement range

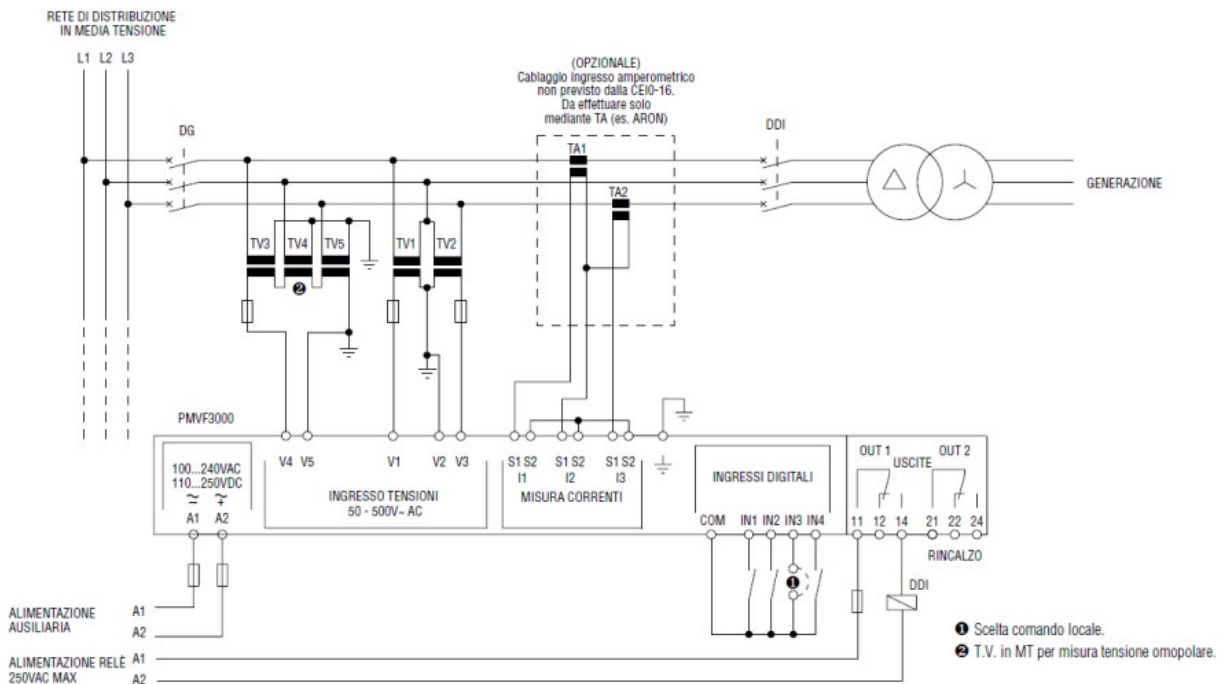
For 1A scale:
0.01...1.2A; for
5A scale: 0.01...
6A

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	Nm	0.5
	max	lbin	4.5
Conductor cross section			
AWG/Kcmil	min	AWG	24
	Max	AWG	12
IEC	min	mm²	0.2
	Max	mm²	2.5
Insulations			
Rated insulation voltage Ui	V	600	
Ambient conditions			
Temperature			
Operating temperature	min	°C	-20
	max	°C	+60
Storage temperature	min	°C	-30
	max	°C	+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			

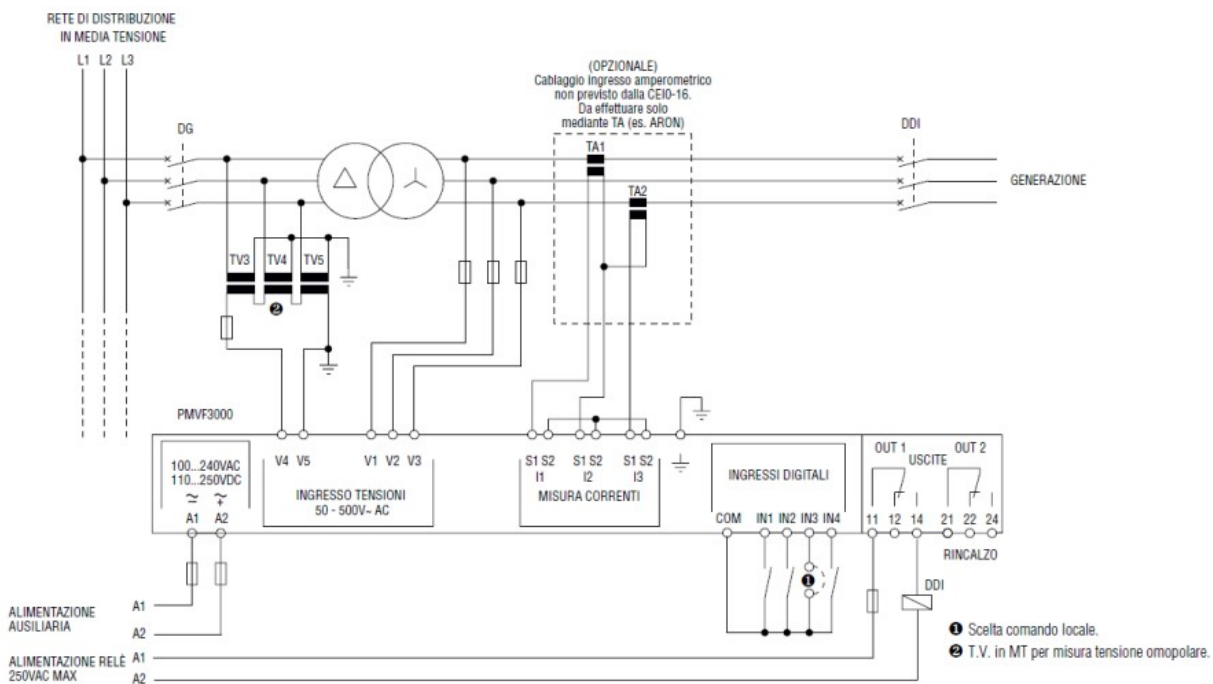


Wiring diagrams

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