PMVF3000

INTERFACE PROTECTION SYSTEM COMPLIANT WITH CEI 0-16 FOR MEDIUM VOLTAGE SYSTEMS

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 circut			
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

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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	Ibin	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	118 x 96 x79
Weight			g	389
Dimensions				

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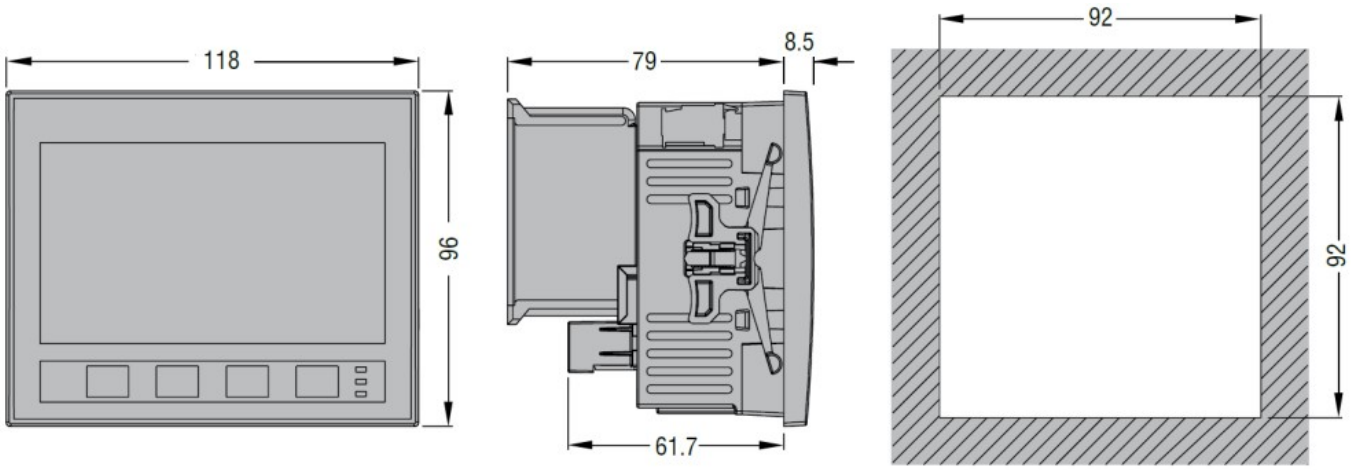

Wiring diagrams

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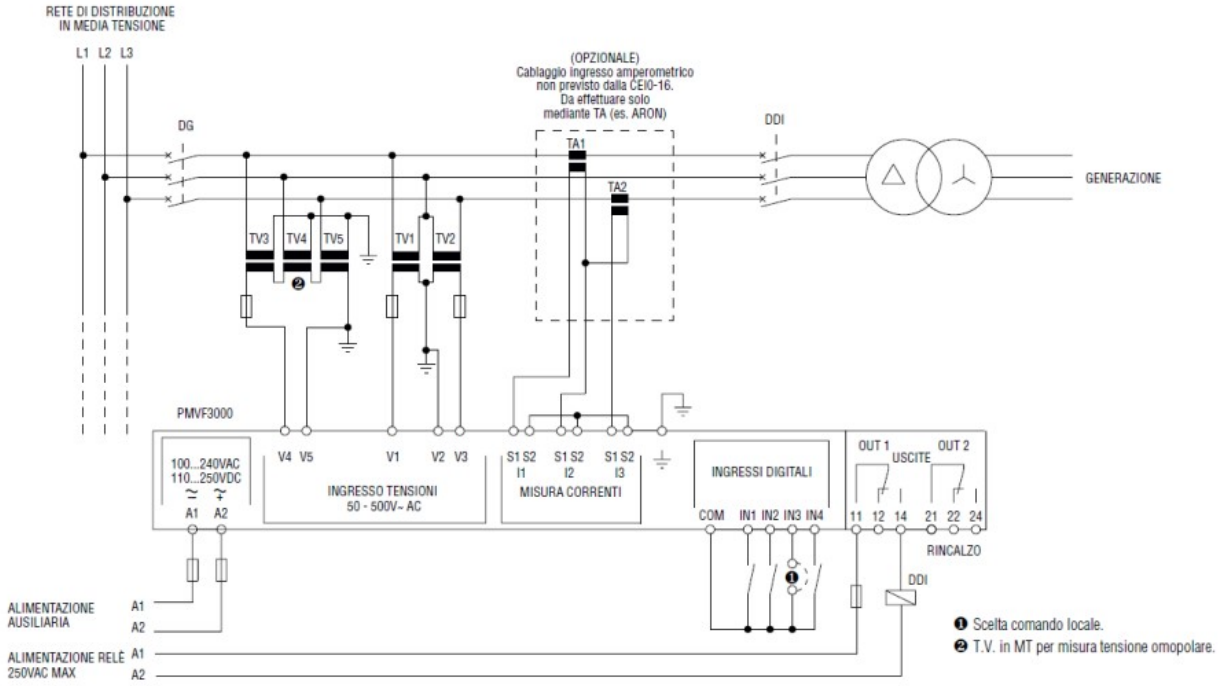
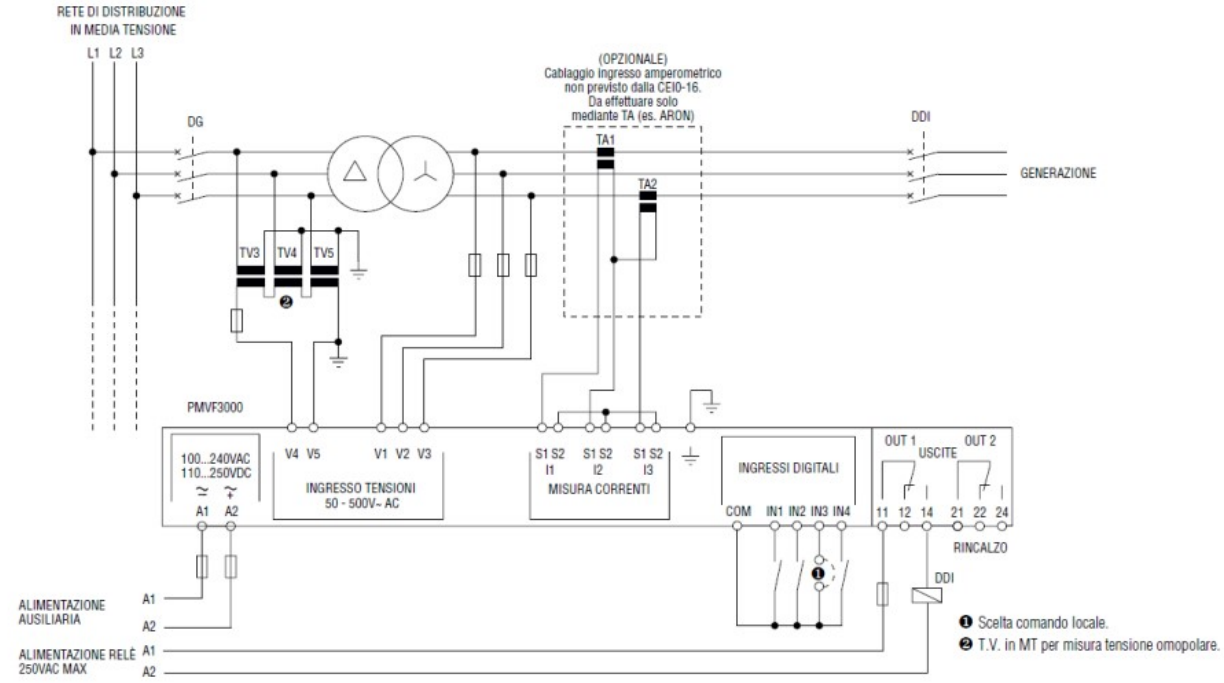
Inserzione tramite T.V. in MT
Collegamento trifase



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

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Certificates

CEI 0-16

ETIM classification

ETIM 8.0	EC001438 - Voltage monitoring relay

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