

INTERFACE PROTECTION UNIT COMPLIANT WITH ENA (ENERGY NETWORK ASSOCIATION) G59/G99 FOR THREE-PHASE SYSTEM, WITH OR WITHOUT NEUTRAL, LOW AND HIGH VOLTAGE, MIN AND MAX VOLTAGE AND FREQUENCY DUAL THRESHOLD PROTECTION, R.O.C.O.F AND VECTOR SHIFT, 230VAC - 400VAC

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				Interface Pro	Control Cont
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Product designation Product type designation					Interface protection system units compliant with G59 (ENA) technical guide PMVF70
General characteristics					Cyctom with or
Description					System with or without neutral in low or high voltage. Dual threshold minimum and maximum voltage and frequency protection. ROCOF and Vector shift
Type of system					Single-phase and three-phase
Power supply					and phase
Operating voltage range	e				85264VAC / 93.5300VDC
Rated frequency				Hz	4555
Control circut					0- /- 1 / 1
Rated current (le)				Α	CT /5A /1A
Auxiliary supply Rated auxiliary supply \	voltage I Is				
rated duxillary supply t	AC				
			min	VAC	100
			Max	VAC	240
	DC			\/D0	440
			min Max	VDC VDC	110 250
Power consumption			IVIAX	VDC	250
1 Ower consumption	AC (Max)				
				VA	4.6VA al 110VAC; 12.5VA at 230VAC
	DC (Max)			VA	23mA at 110VDC; 11mA at 250VDC
Power dissipation	AC (Max)				





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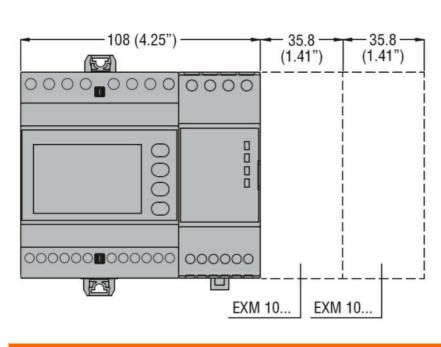
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		W	2.5W at 110VAC;2.7W at 230VAC
DC (Max)			
		W	2.3W at 110VDC; 2.5W at 250VDC
Immunity time for microbreakings		ms	≤50ms at 100VDC; ≤200ms at 240VDC
Voltage inputs			
Maximum rated operational voltage			400VAC L- L;230VAC L-N 50Hz
Measurement range		V	20480VAC L- L; 10276VAC L-N
Frequency range		Hz	4555
Current inputs			
Measurement range			For 1A scale: 0.011.2A; for 5A scale: 0.01 6A
Measurement method			RMS
Overload peak		Α	50A for 1 second
Burden per phase		W	≤0.6W
Relay outputs			
Number of relays		Nr.	2
Contact arrangement			1 changeover contact/SPDT each
Rated operational voltage AC (IEC)		VAC	250
UL/CSA and IEC/EN 60947-5-1 designation			For NO contact: 5A 250VAC AC1/C300; 5A 30VDC For NC contact: 2A 250VAC AC1/C300; 2A 30VDC
Digital inputs Number and type of inputs			4 pagatiya (DND)
Number and type of inputs			4 negative (PNP) 12VDC isolated
Input voltage			12VDC Isolated
Input ourrent		^	
Input current		mA	7
Input current Connections		mA	7
Connections Terminals type		mA	
Connections			7 Screw - removable
Connections Terminals type	max	Nm	Screw - removable
Connections Terminals type Tightening torque for terminals	max max		7 Screw - removable
Terminals type Tightening torque for terminals Conductor cross section		Nm	Screw - removable
Connections Terminals type Tightening torque for terminals	max	Nm Ibin	Screw - removable 0.8 4.5
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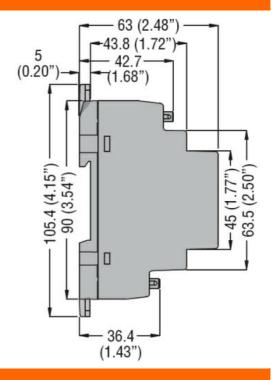


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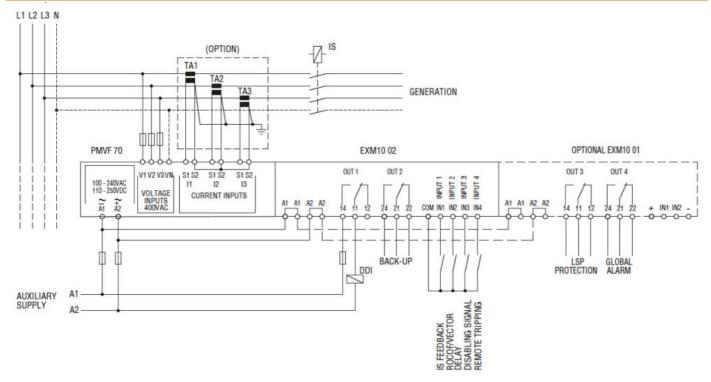
	min	mm-	0.2
	Max	mm²	4
Housing			
Execution (n° of modules)			6
Material			Polyamide
Mounting			Modular 6U
IEC degree of protection			IP40 on front;
inco degree or protection			IP20 at terminals
Dimensions (W x H x D)		mm	108 x 105.4 x 63
Weight		g	470
			

Dimensions





Wiring diagrams







ENERGY AND AUTOMATION

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Certifications and compliance

Compliance

IEC/EN 61000-6-2 IEC/EN 61000-6-4

IEC/EN 61010-1

Certificates

ENA (Energy Network Association): G59/G99