

INTERFACE PROTECTION UNIT COMPLIANT WITH SHAMS DUBAI DRRG (DEWA) - SEC (SAUDI ELECTRICITY COMPANY) FOR THREE-PHASE SYSTEM, WITH OR WITHOUT NEUTRAL, LOW AND MEDIUM VOLTAGE, MIN AND MAX VOLTAGE AND FREQUENCY DUAL THRESHOLD PROTECTION, R.O.C.O.F AND VECTOR SHIFT, 230VAC - 400VAC

Product type designation General characteristics Description Type of system Power supply Operating voltage range Rated frequency Control circut Rated current (le) Auxiliary supply Rated auxiliary supply voltage Us AC DC min VAC Max VAC DC Power consumption AC (Max) DC (Max)	OF THE COLUMN TO	Son Maring State			
Description Type of system Power supply Operating voltage range Rated frequency Hz Control circut Rated current (le) A Auxiliary supply Rated auxiliary supply voltage Us AC DC min VAC Max VAC DC Power consumption AC (Max) VA	Interface protection system units compliant with standard SHAMS DUBAI - DRRG (DEWA) PMVF60				Product type designati
Power supply Operating voltage range Rated frequency Hz Control circut Rated current (le) A Auxiliary supply Rated auxiliary supply voltage Us AC min VAC Max VAC DC DC min VDC Max VDC Power consumption AC (Max) VA	System with or without neutral in low or medium voltage. Dual threshold minimum and maximum voltage and frequency protection. ROCOF and Vector shift				
Operating voltage range Rated frequency Hz Control circut Rated current (le) A Auxiliary supply Rated auxiliary supply voltage Us AC DC min VAC Max VAC DC Power consumption AC (Max) AC (Max) AC (Max)	Three-phase with/without neutral				
Rated frequency Control circut Rated current (le) Auxiliary supply Rated auxiliary supply voltage Us AC Max VAC DC min VAC Max VAC DC Max VDC Power consumption AC (Max) VA	85264VAC /				Power supply
Control circut Rated current (le) Auxiliary supply Rated auxiliary supply voltage Us AC Max VAC DC Min VAC Max VAC DC Power consumption AC (Max) VA VA VA VA VA VA VA VA VA V	93.5300VDC			ge	Operating voltage rang
Rated current (le) Auxiliary supply Rated auxiliary supply voltage Us AC Min VAC Max VAC DC min VDC Max VDC Power consumption AC (Max) AC (Max)	50/60	Hz			
Auxiliary supply Rated auxiliary supply voltage Us AC min VAC Max VAC DC min VDC Max VDC Power consumption AC (Max) VA	OT (5 A / 4 A				
Rated auxiliary supply voltage Us AC min VAC Max VAC DC min VDC Max VDC AC (Max) Power consumption AC (Max) VA	CT /5A /1A	А			
AC min VAC Max VAC DC min VDC Max VDC Power consumption AC (Max) VA				voltago I le	
Max VAC Max VAC				_	reaced advillary supply
Max VAC DC min VDC Max VDC	100	VAC	min		
Power consumption AC (Max) VDC VDC VA	240				
Power consumption AC (Max) VA				DC	
Power consumption AC (Max) VA	110				
AC (Max)	250	VDC	Max		
VA				AC (Max)	Power consumption
DC (Max)	4.6VA al 110VAC; 12.5VA at 230VAC	VA			
VA	23mA at 110VDC; 11mA at 250VDC	VA		DC (Max)	
Power dissipation				AO (M.)	Power dissipation
AC (Max)				AC (Max)	





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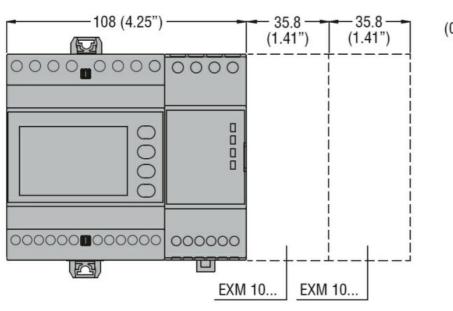
		W	2.5W at 110VAC;2.7W at 230VAC
DC (Max)			2.2W at 110VDC:
		W	2.3W at 110VDC; 2.5W at 250VDC
Immunity time for microbreakings		ms	≤50ms at 100VDC; ≤200ms at 240VDC
Voltage inputs			
Maximum rated operational voltage			400VAC L- L;230VAC L-N 50/60Hz 20480VAC L-
Measurement range		V	L; 10276VAC L-N
Frequency range		Hz	4566
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 Relay outputs		W	≤0.6W
Number of relays		Nr.	2
Contact arrangement		TW.	1 changeover contact/SPDT each
Rated operational voltage AC (IEC)		VAC	250
UL/CSA and IEC/EN 60947-5-1 designation Digital inputs			For NO contact: 5A 250VAC AC1/C300; 5A 30VDC For NC contact: 2A 250VAC AC1/C300; 2A 30VDC
Number and type of inputs			4 negative (PNP)
Input voltage			12VDC isolated
Input current		mA	7
Connections			_
Terminals type			Screw - removable
Tightening torque for terminals	max max	Nm Ibin	0.8 4.5
Conductor cross section			
AWG/Kcmil	min Max	AWG AWG	24 12
IEC			

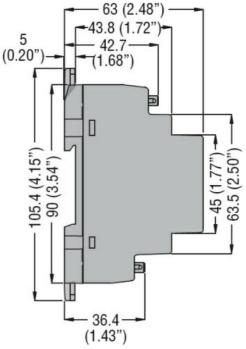


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	min	mm²	0.2
	Max	mm²	4
Housing			
Execution (n° of modules)			6
Material			Polyamide
Mounting			Modular 6U
IEC degree of protection			IP40 on front;
			IP20 at terminals
Dimensions (W x H x D)		mm	108 x 105.4 x 63
Weight		g	470
Dimensions			

Dimensions



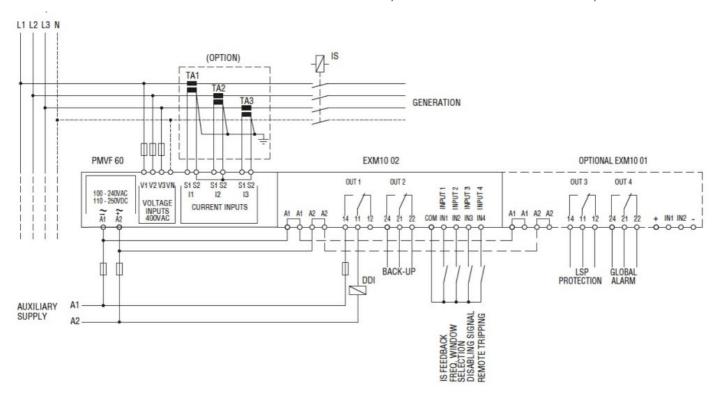


Wiring diagrams



ENERGY AND AUTOMATION

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Certifications and compliance

Compliance

IEC/EN 60255-26

IEC/EN 60255-27

Certificates

SEC (Saudi Electricity Company) TECHNICAL STANDARD

SHAMS DUBAI - DRRG STARDARDS VERSION 2.0

ETIM classification

ETIM 8.0

EC001438 -Voltage monitoring relay