

PMF20A240 FREQUENCY MONITORING RELAY FOR SINGLE AND THREE-PHASE SYSTEMS, MINIMUM AND MAXIMUM FREQUENCY, 220...240VAC 50/60HZ



Product designation			Frequency
-			monitoring relays
Product type designation			PMF20
General characteristics			Minimum and
Description			maximum
Description			frequency control
Type of system			Single-phase
Power supply			e ingre primee
Auxiliary supply voltage Us			Self powered
Operating voltage range			0.851.1 Ue
			50 or 60 Hz
Rated frequency		Hz	selectable
Power consumption Max		VA	10
Power dissipation Max		W	1.5
Control circut			
Rated voltage to control (Ue)			
	min	VAC	220
	Max	VAC	240
Frequency set-point (% rated frequency)			
	min	%	9099
	Max	%	101110
Tripping delay		S	0.120
Resetting time		S	0.120
Resetting hysteresis		%	0.5
Type of reset			Automatic
Repeat accuracy		%	<±0.1
Voltage inputs			
Frequency range		Hz	4070
Relay outputs			
Number of relays		Nr.	1
			Normally
Relay state			energised De-
			energises at
			tripping
Contact arrangement			1 changeover SPDT
Rated operational voltage AC (IEC)		VAC	250
Maximum switching voltage		VAC	400
IEC Conventional free air thermal current Ith		A	8
UL/CSA and IEC/EN 60947-5-1 designation		7	B300
Electrical life (with rated load)		cycles	100000
Mechanical life		cycles	3000000
Functions		Cycles	
Modular version			2U
Minimum AC voltage			Yes
Winning AC VOILage			1 53

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



PMF20A240 FREQUENCY MONITORING RELAY FOR SINGLE AND THREE-PHASE SYSTEMS, MINIMUM AND MAXIMUM FREQUENCY, 220...240VAC 50/60HZ

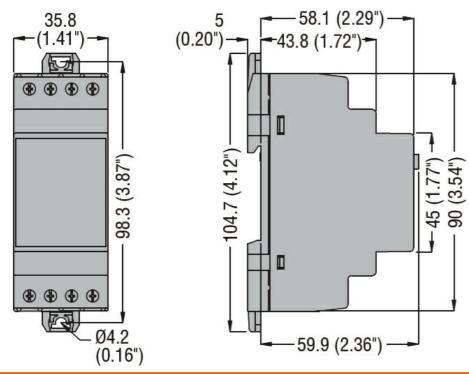
MONITORING RELAY FOR SINGLE AND THREE-PHASE SYSTEMS, MINIMUM AND MAXIMUM FREQUENCY, 220...240VAC 50/60HZ Yes

Maximum AC voltage				Yes
Minimum frequency				No
Maximum frequency				No
Indications				
Indication				1 green LED for power on and tripping and 2 red LEDs for min/max tripping
Connections				Sorou
Terminals type				Screw
Tightening torque for t	ierminals	max max	Nm Ibin	0.8 7
Conductor cross sect				
	AWG/Kcmil	min	AWG	24 12
	IEC	Max	AWG	12
		min Max	mm² mm²	0.2 4
Insulations				
Rated insulation voltage	ge Ui		V	575
Rated impulse withsta	nd voltage Uimp		kV	6
Operating frequency w	vithstand voltage		kV	4
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-20
		max	°C	+60
	Storage temperature		°O	00
		min	℃ ℃	-30 +80
Housing		max	C	+00
Execution (n° of modu	iles)			2
Material				Self-extinguishing polyamide
Mounting				35mm DIN rail (IEC/EN 60715)
IEC degree of protect	tion			IP40 on front; IP20 at terminals
Dimensions (W x H x	D)		mm	35.8 x 104.7 x 64.9
Weight			g	125
Dimensions				

PMF20A240

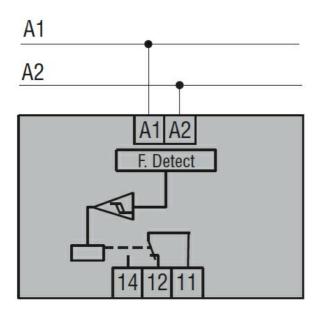


PMF20A240 FREQUENCY MONITORING RELAY FOR SINGLE AND THREE-PHASE SYSTEMS, MINIMUM AND MAXIMUM FREQUENCY, 220...240VAC 50/60HZ



Wiring diagrams

PMF20A240



Certifications and co	mpliance
Compliance	
	CSA C22.2 n° 14
	IEC/EN 60255-5
	IEC/EN 61000-6-2
	IEC/EN 61000-6-3
	UL 508
Certificates	
	cULus
	EAC
ETIM classification	

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding





FREQUENCY MONITORING RELAY FOR SINGLE AND THREE-PHASE SYSTEMS, MINIMUM AND MAXIMUM FREQUENCY, 220...240VAC 50/60HZ

ETIM 8.0

EC001442 -Frequency monitoring relay