PMA20240

CURRENT MONITORING RELAY FOR SINGLE-PHASE SYSTEM, AC/DC MAXIMUM CURRENT CONTROL, 5A OR 16A

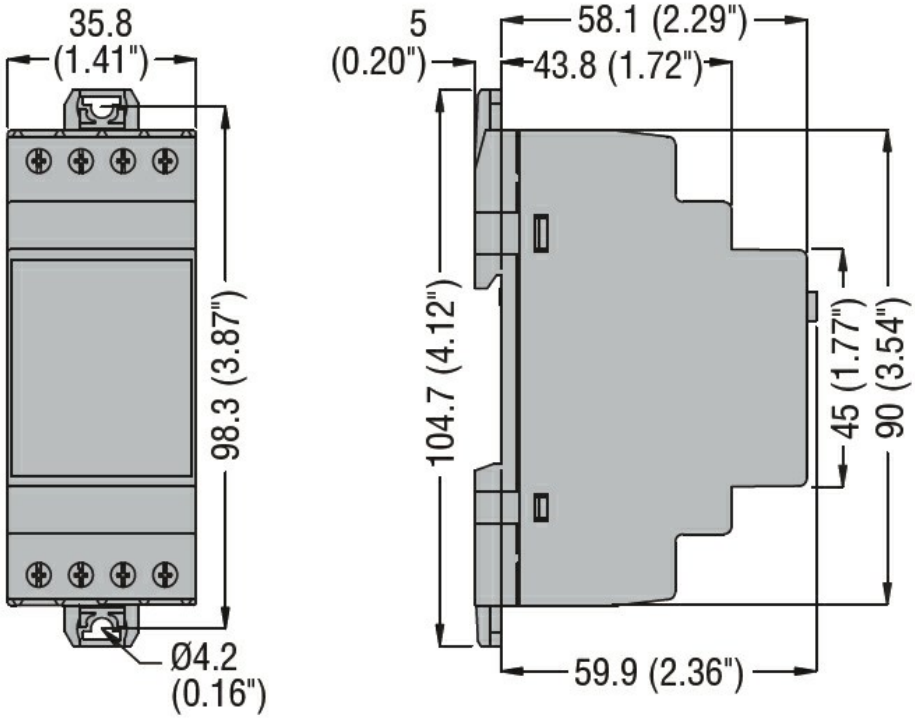


Product designation			Current monitoring relays
Product type designation			PMA20
General characteristics			
Description			AC/DC maximum current monitoring relay
Type of system			Single-phase
Power supply			
Auxiliary supply voltage Us			24…240VAC/DC
Operating voltage range			0.85…1.1 Us
Rated frequency		Hz	50/60 ±5%
Power consumption Max		VA	3.2
Power dissipation Max		W	1.6
Control circut			
Rated current (Ie)		A	5 or 16
Overload capacity			5Ie for 1s - 160A for 10ms - Constant 16A
Connection			Direct or by current transformer
Current set-point (% Ie)	Max	%	5…100
Tripping delay		s	0.1…30
Resetting time		s	0.1…30
Resetting hysteresis		%	1…50
Inhibition time		s	1…60
Type of reset			Automatic or manual
External input			Resetting / Inhibition
Repeat accuracy		%	±1 (with constant parameters)
Relay outputs			
Number of relays		Nr.	1
Relay state			Normally energised / De-energised (selectable)
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			B300

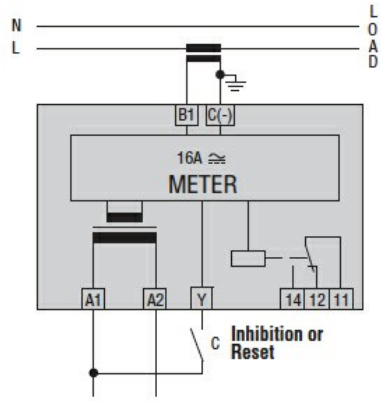
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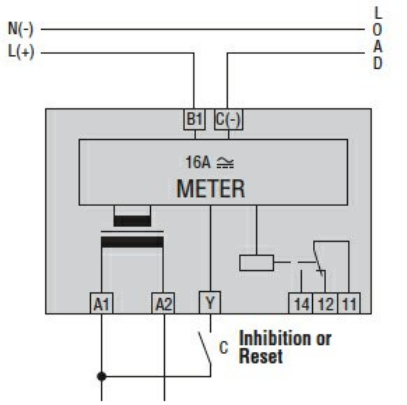
Electrical life (with rated load)			cycles	100000
Mechanical life			cycles	30000000
Functions				
Modular version				2U
Maximum AC/DC current				Yes
Minimum or maximum AC/DC current				No
Minimum and maximum AC/DC current				No
Indications				
Indication				1 green LED for power on / inhibition and 1 red LED for tripping
Connections				
Tightening torque for terminals				
		max	Nm	0.8
		max	lbin	7
Conductor cross section				
	AWG/Kcmil			
		min	AWG	24
		Max	AWG	12
	IEC			
		min	mm²	0.2
		Max	mm²	4
Insulations				
Rated insulation voltage Ui			V	415
Rated impulse withstand voltage Uimp			kV	4
Operating frequency withstand voltage			kV	2.5
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-20
		max	°C	+60
	Storage temperature			
		min	°C	-30
		max	°C	+80
Housing				
Execution (n° of modules)				2
Material				Self-extinguishing polyamide
Mounting				Modular DIN 43880 housing
IEC degree of protection				IP40 on front; IP20 at terminals
Dimensions (W x H x D)			mm	35.8 x 104.7 x 64.9
Weight			g	121
Dimensions				

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Wiring diagrams





Certifications and compliance

Compliance

CSA C22.2 n° 14
IEC/EN 60255-5
IEC/EN 61000-6-2
IEC/EN 61000-6-3
UL 508

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Certificates

	cULus
	EAC

ETIM classification

ETIM 8.0	EC001440 - Current monitoring relay

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