PMA40240

CURRENT MONITORING RELAY FOR SINGLE-PHASE AND THREE-PHASE SYSTEMS, AC/DC MINIMUM AND MAXIMUM CURRENT CONTROL, 0.02 - 0.05 - 0.25 - 1 - 5 - 16A

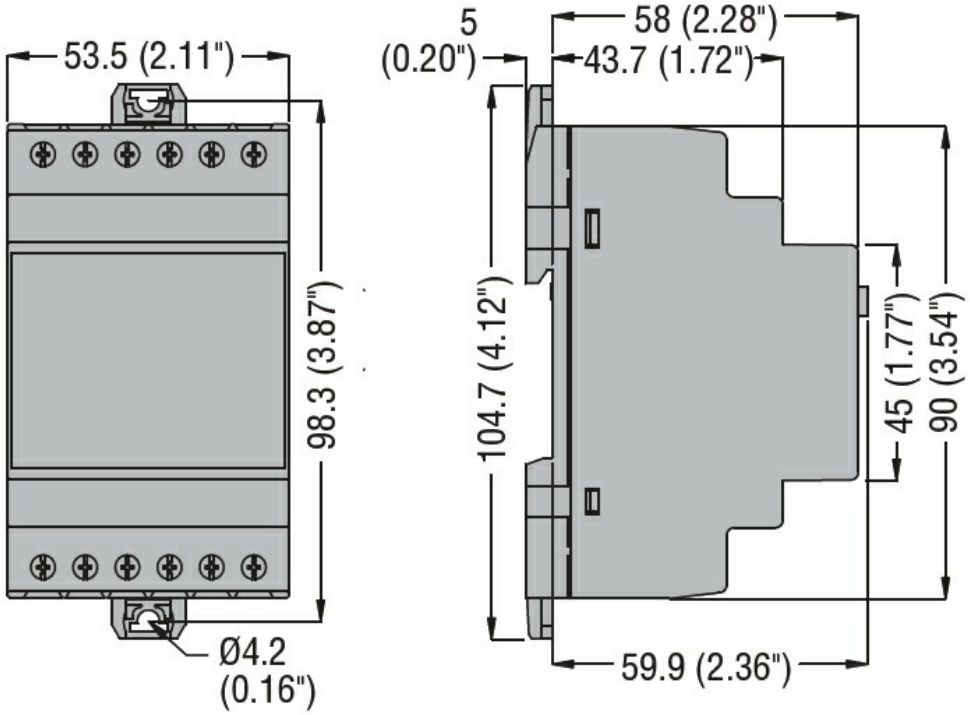


Product designation			Current monitoring relays
Product type designation			PMA40
General characteristics			
Description			AC/DC minimum and maximum current monitoring relay
Type of system			Single-phase and three-phase
Power supply			
Auxiliary supply voltage Us			24…240VAC/DC
Operating voltage range			0.85…1.1 Us
Rated frequency		Hz	50/60 ±5%
Power consumption Max		VA	7
Power dissipation Max		W	1.7
Control circut			
Rated current (Ie)		A	0.02 - 0.05 - 0.25 - 1 - 5 - 16
Overload capacity			(50mA - 1A inputs) 5Ie for 1s - 10Ie for 10ms - Constant 2Ie (16A inputs) 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 hysteresis		%	3
Inhibition time		s	1…60
Type of reset			Automatic or manual
Repeat accuracy		%	±1 (with constant parameters)
Relay outputs			
Number of relays		Nr.	2
Relay state			Normally energised / De-energised (selectable)
Contact arrangement			2 x 1 changeover SPDT each

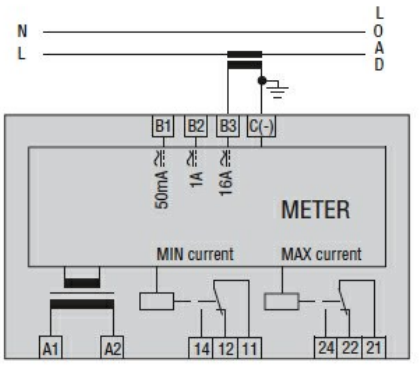
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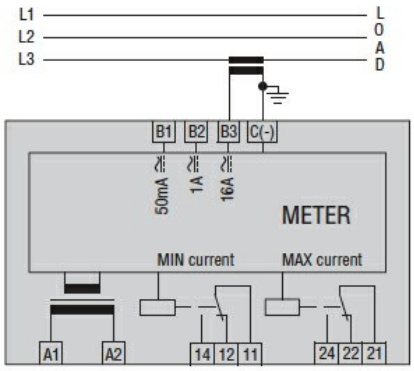
Rated operational voltage AC (IEC)		VAC	250
Maximum switching voltage		VAC	400
IEC Conventional free air thermal current Ith		A	8
UL/CSA and IEC/EN 60947-5-1 designation			B300
Electrical life (with rated load)		cycles	100000
Mechanical life		cycles	30000000
Functions			
Modular version			3U
Maximum AC/DC current			No
Minimum or maximum AC/DC current			No
Minimum and maximum AC/DC current			Yes
Indications			
Indication			1 green LED for power on / inhibition and 2 red LEDs for max/min 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)			3
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	53.5 x 104.7 x 64.9
Weight		g	166
Dimensions			

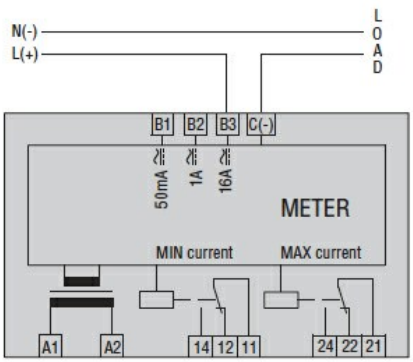
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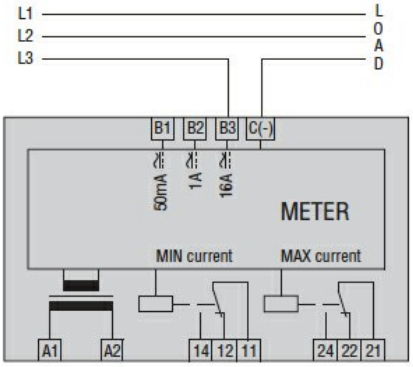


Wiring diagrams









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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