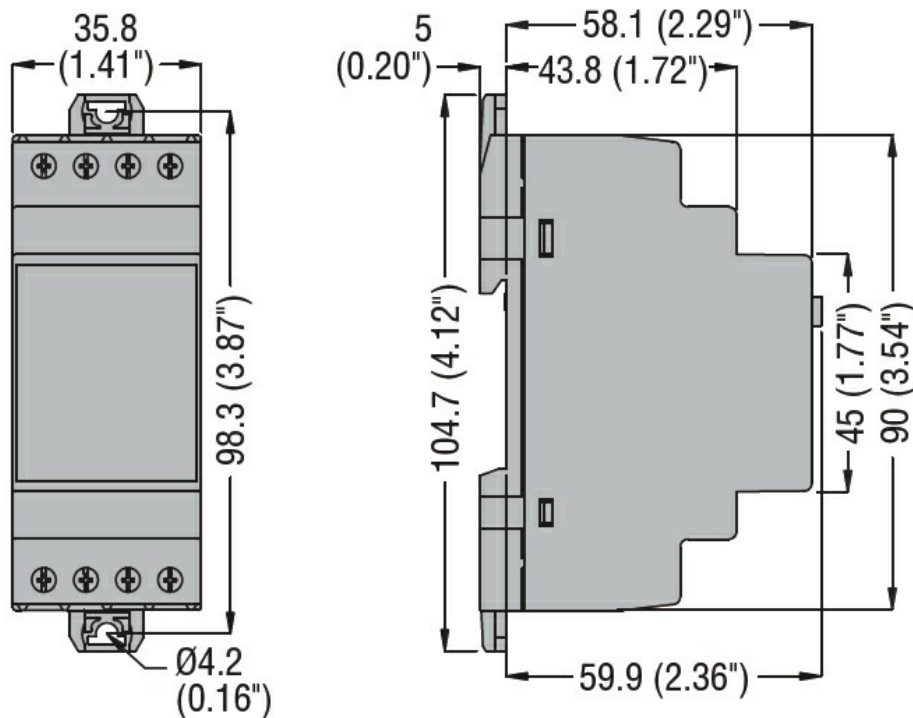


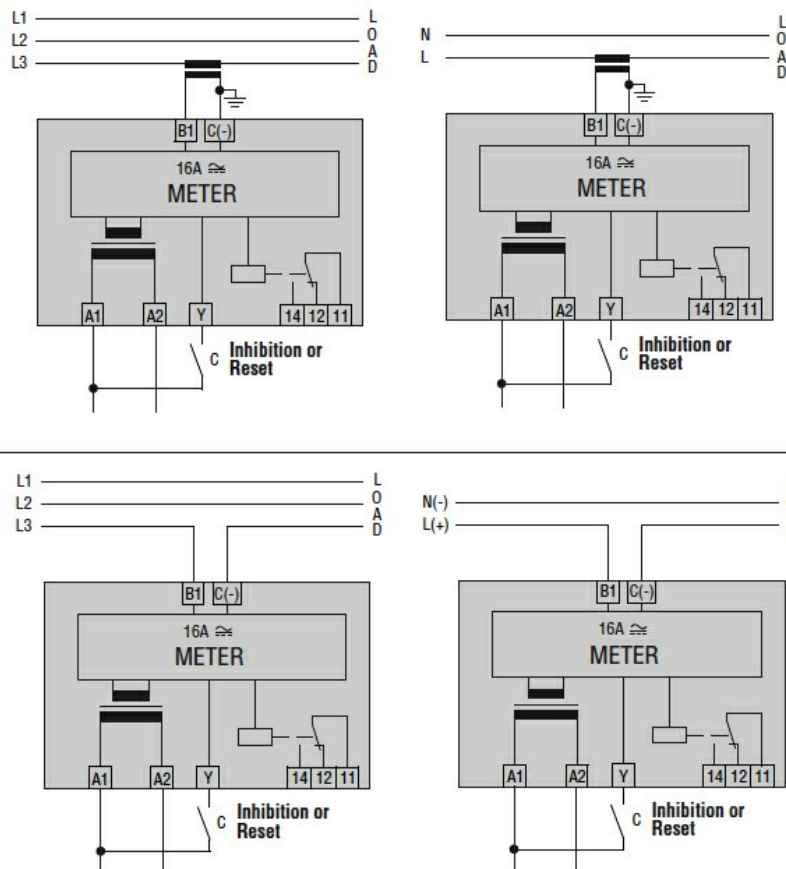


Product designation			Current monitoring relays
Product type designation			PMA30
General characteristics			
Description			AC/DC minimum or maximum current monitoring relay
Type of system			Single-phase and three-phase
Power supply			
Auxiliary supply voltage U_s			24...240VAC/DC
Operating voltage range			0.85...1.1 U_s
Rated frequency		Hz	50/60 $\pm 5\%$
Power consumption Max		VA	3.2
Power dissipation Max		W	1.6
Control circuit			
Rated current (I_e)		A	5 or 16
Overload capacity			5 I_e for 1s - 160A for 10ms - Constant 16A
Connection			Direct or by current transformer
Current set-point (% I_e)		Max	% 5...100
Tripping delay		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 I_{th}		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			2U	
Maximum AC/DC current			No	
Minimum or maximum AC/DC current			Yes	
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
			max	Ibin
				0.8
				7
Conductor cross section				
AWG/Kcmil			min	AWG
			Max	AWG
				24
				12
IEC			min	mm ²
			Max	mm ²
				0.2
				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
			max	°C
				-20
				+60
Storage temperature			min	°C
			max	°C
				-30
				+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				



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

Certificates

cULus
EAC

ETIM classification

ETIM 8.0

EC001440 -
Current
monitoring relay