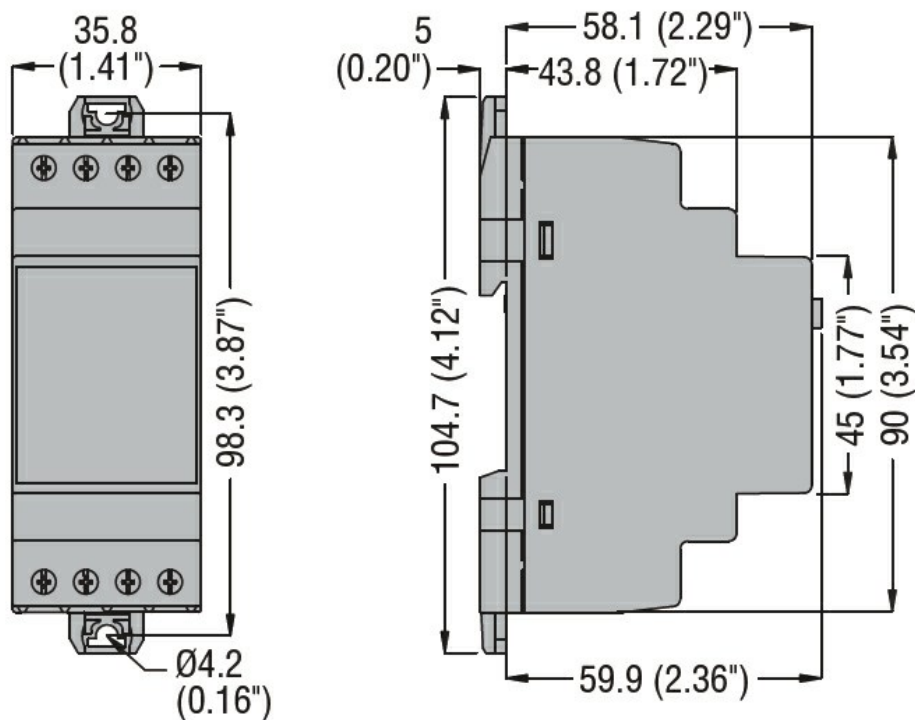


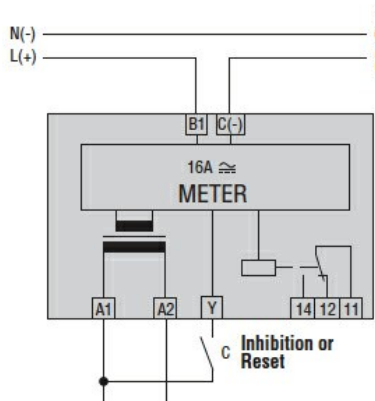
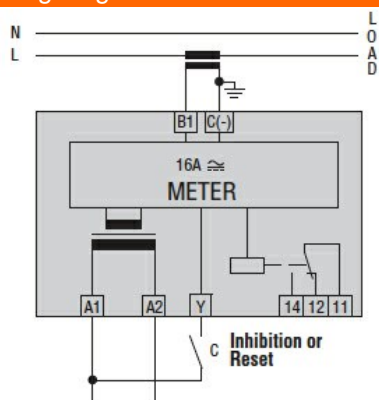


Product designation			Current monitoring relays
Product type designation			PMA20
General characteristics			
Description			AC/DC maximum current monitoring relay
Type of system			Single-phase
Power supply			
Auxiliary supply voltage U_s			24...240VAC/DC
Operating voltage range			0.85...1.1 U_s
Rated frequency		Hz	50/60 ±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 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 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		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 max	Nm lbin 0.8 7
Conductor cross section		
AWG/Kcmil	min Max	AWG AWG 24 12
IEC	min Max	mm ² 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 max	°C °C -20 +60
Storage temperature	min max	°C °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