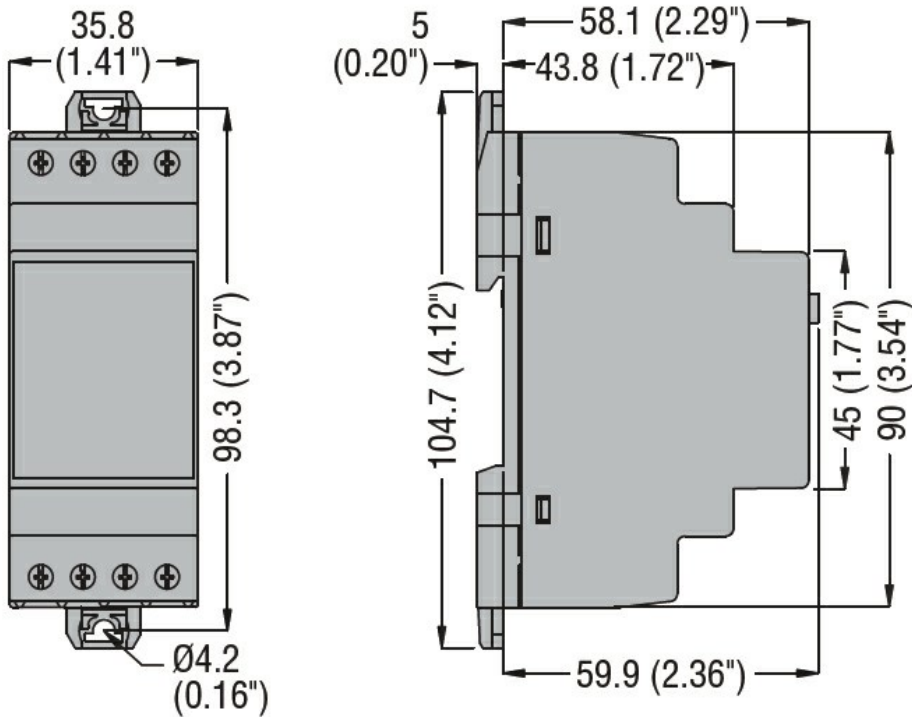


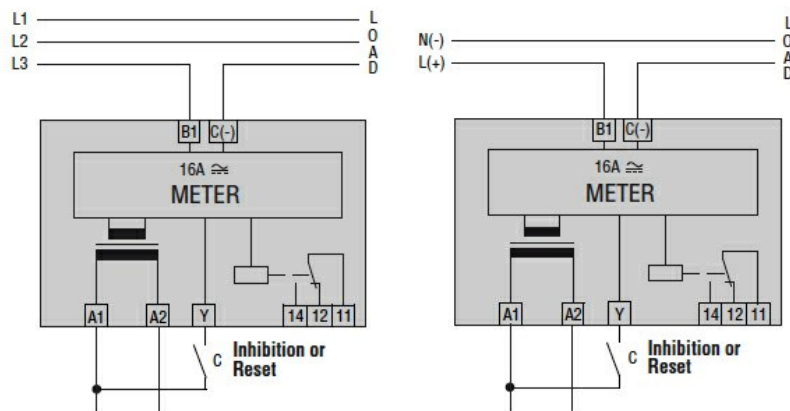
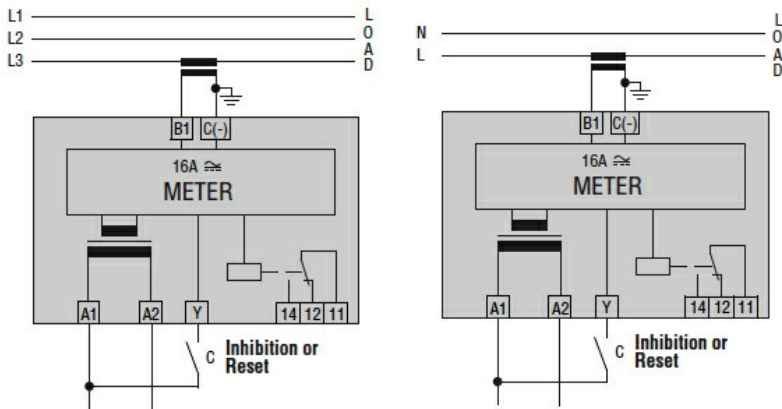


Product designation	Current monitoring relays		
Product type designation	PMA30		
<b>General characteristics</b>			
Description	AC/DC minimum or maximum current monitoring relay		
Type of system	Single-phase and three-phase		
<b>Power supply</b>			
Auxiliary supply voltage $U_s$	24...240VAC/DC		
Operating 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	
<b>Control circuit</b>			
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		%	$\pm$ 1 (with constant parameters)
<b>Relay outputs</b>			
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
<b>Functions</b>			
Modular version		2U	
Maximum AC/DC current		No	
Minimum or maximum AC/DC current		Yes	
Minimum and maximum AC/DC current		No	
<b>Indications</b>			
Indication		1 green LED for power on / inhibition and 1 red LED for tripping	
<b>Connections</b>			
Tightening torque for terminals		max	Nm 0.8
		max	lbin 7
Conductor cross section			
AWG/Kcmil		min	AWG 24
		Max	AWG 12
IEC		min	mm <sup>2</sup> 0.2
		Max	mm <sup>2</sup> 4
<b>Insulations</b>			
Rated insulation voltage Ui		V	415
Rated impulse withstand voltage Uimp		kV	4
Operating frequency withstand voltage		kV	2.5
<b>Ambient conditions</b>			
Temperature			
Operating temperature		min	°C -20
		max	°C +60
Storage temperature		min	°C -30
		max	°C +80
<b>Housing</b>			
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
<b>Dimensions [mm (in)]</b>			



**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

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UL 508

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Certificates

cULus  
EAC

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ETIM classification

ETIM 8.0

EC001440 -  
Current  
monitoring relay