



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 $\pm 5\%$	
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 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 $I_{th} \leq 40^{\circ}\text{C}$	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
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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	mm ²	0.2
Max	mm 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	-20
max	°C	+60

Storage temperature

min	°C	-30
max	°C	+80

Housing

Execution (n° of modules) 2

Material Self-extinguishing polyamide

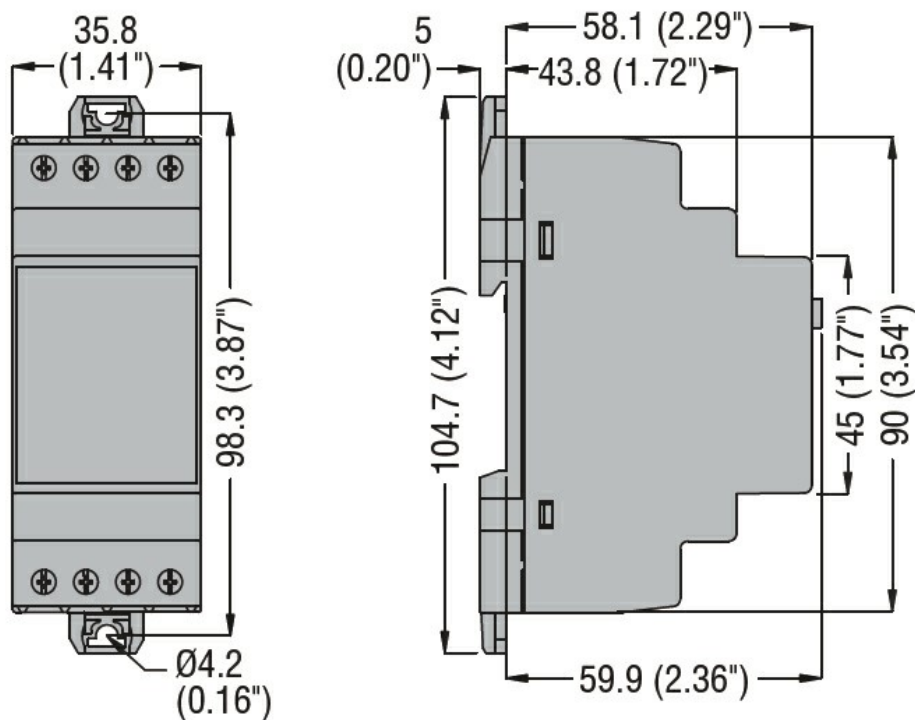
Mounting Modular DIN 43880 housing

IEC degree of protection IP40 on front; IP20 at terminals

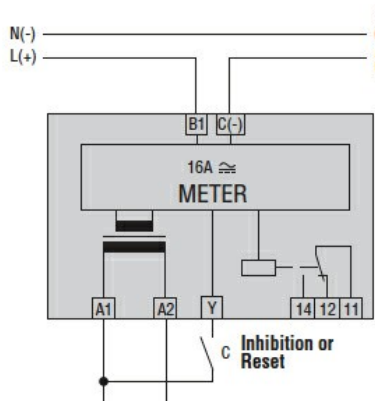
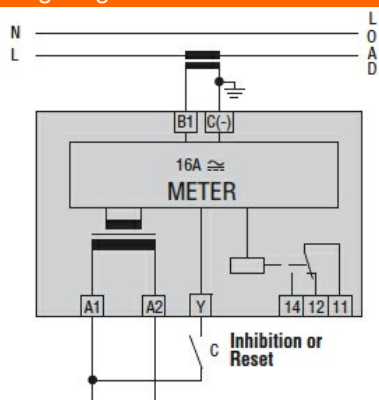
Dimensions (W x H x D) mm 35.8 x 104.7 x 64.9

Weight g 121

Dimensions



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