



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 ±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 $I_{th} \leq 40^{\circ}\text{C}$	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	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
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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

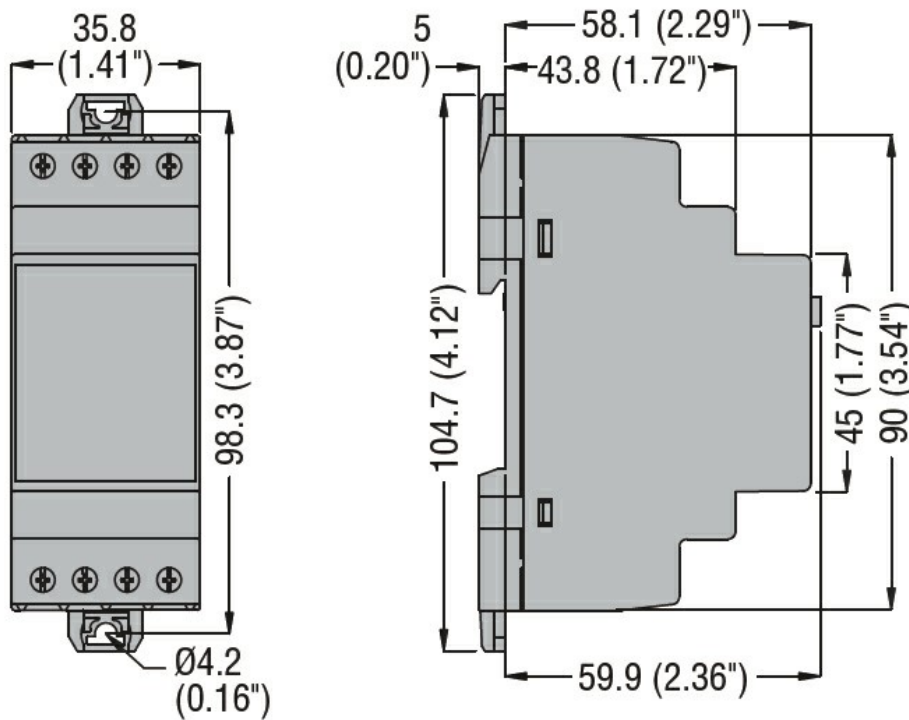
Storage temperature

min	°C	-30
max	°C	+80

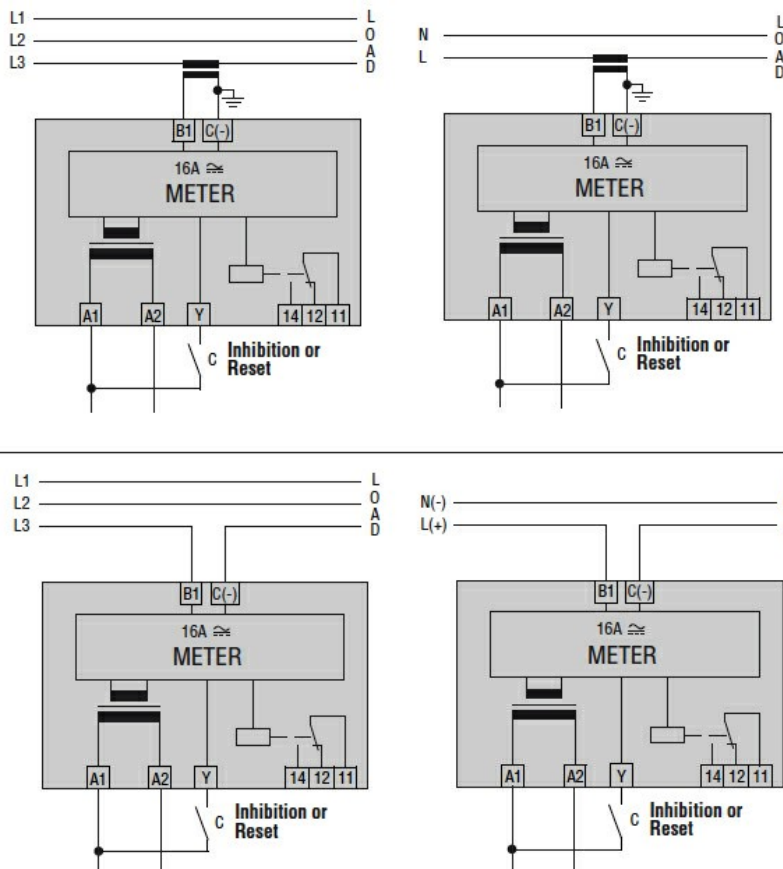
Housing

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