



### General characteristics

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

### Insulations

Rated insulation voltage Ui	V	415
Rated impulse withstand voltage Uimp	kV	4
Operating frequency withstand voltage	kV	2.5

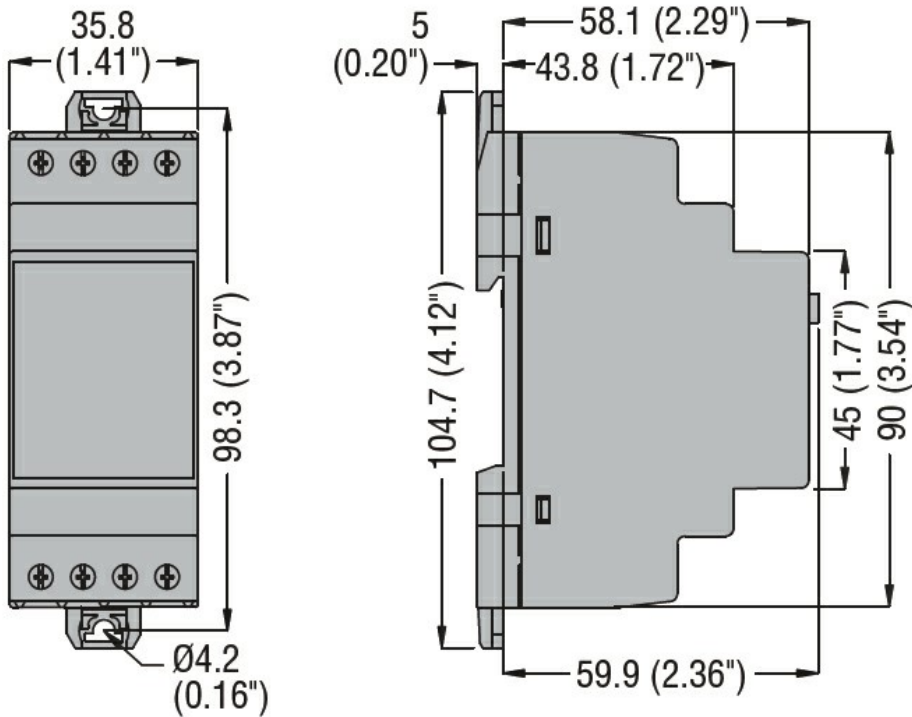
### Ambient conditions

Temperature			
Operating temperature	min	°C	-20
	max	°C	+60
Storage temperature	min	°C	-30
	max	°C	+80

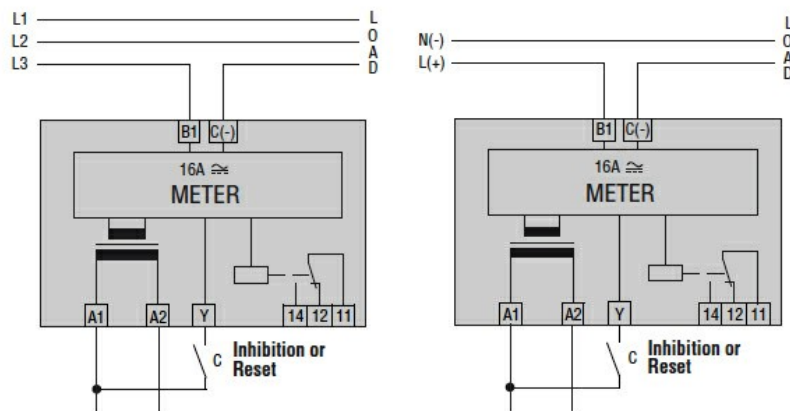
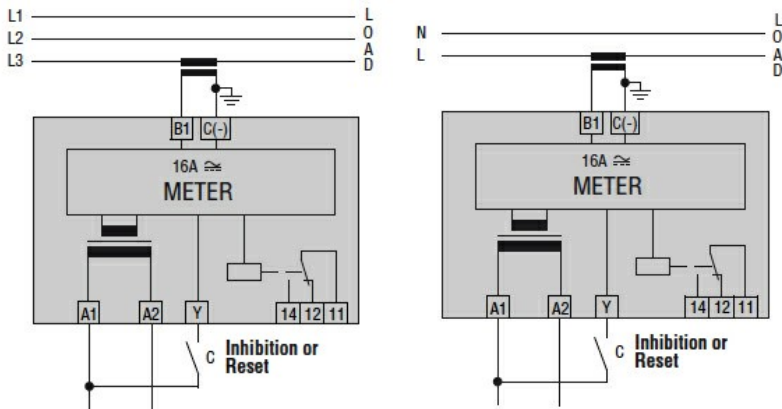
### Housing

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

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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