



General characteristics

Description	AC/DC minimum and 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 \pm 5%
Power consumption Max	VA	7
Power dissipation Max	W	1.7

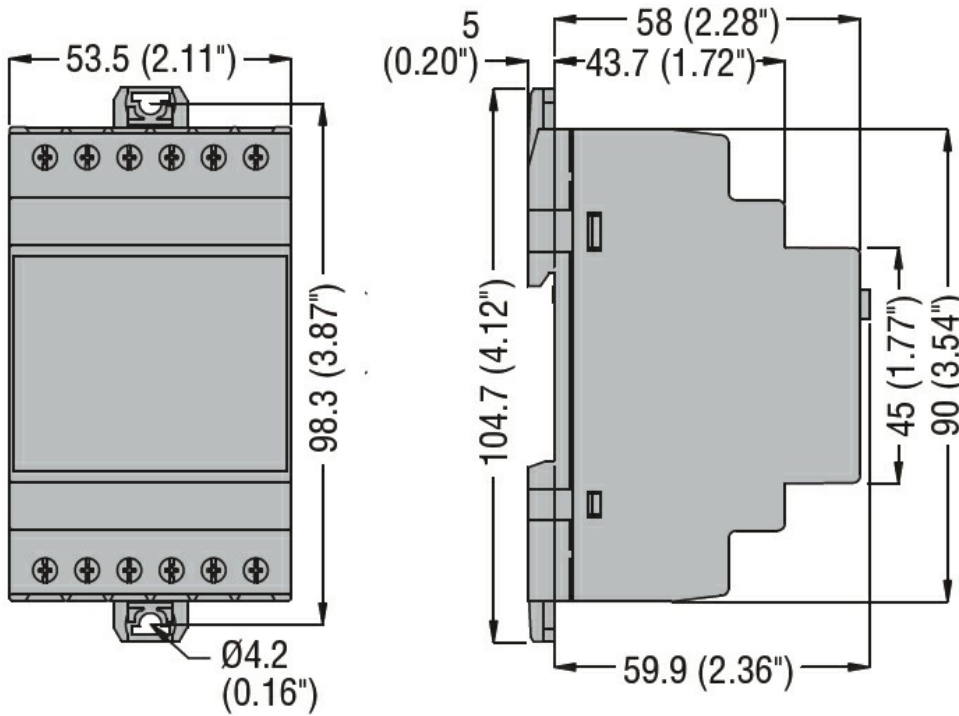
Control circuit

Rated current (I_e)	A	0.02 - 0.05 - 0.25 - 1 - 5 - 16
Overload capacity		(50mA - 1A inputs) 5 I_e for 1s - 10 I_e for 10ms - Constant 2 I_e (16A inputs) 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	%	3
Inhibition time	s	1...60
Type of reset		Automatic or manual
Repeat accuracy	%	\pm 1 (with constant parameters)

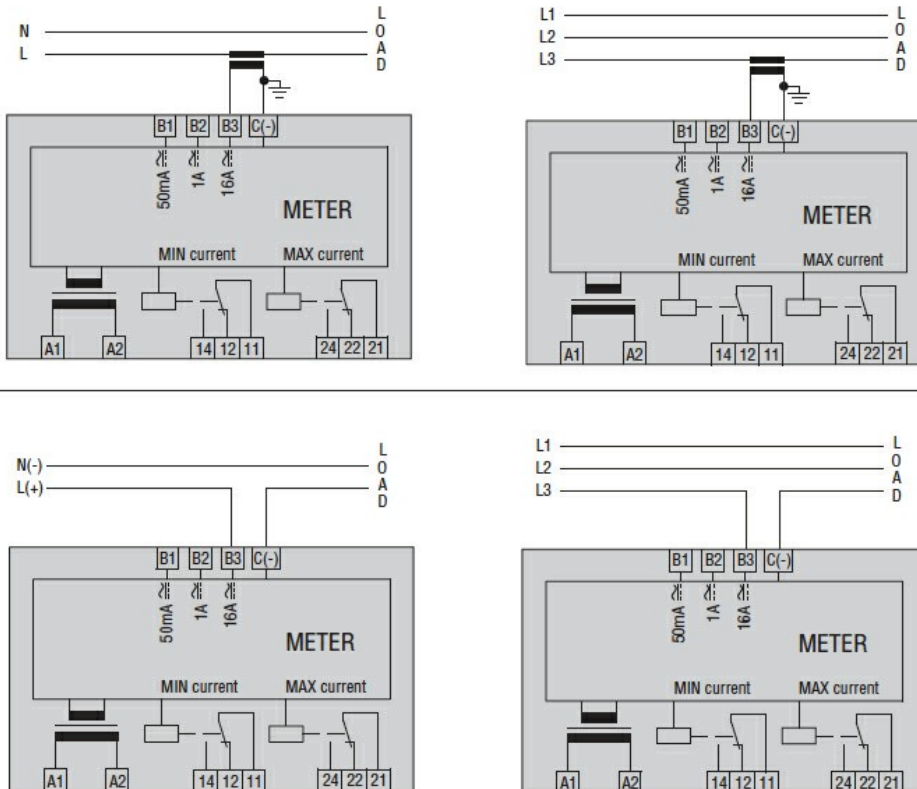
Relay outputs

Number of relays	Nr.	2
Relay state		Normally energised / De-energised (selectable)
Contact arrangement		2 x 1 changeover SPDT each
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		3U	
Maximum AC/DC current		No	
Minimum or maximum AC/DC current		No	
Minimum and maximum AC/DC current		Yes	
Indications			
Indication		1 green LED for power on / inhibition and 2 red LEDs for max/min tripping	
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)		3	
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	53.5 x 104.7 x 64.9
Weight		g	166
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