



General characteristics

Description	Minimum and maximum AC voltage, minimum and maximum frequency, phase loss,neutral loss, incorrect phase sequence and asymmetry relay		
Type of system	Three-phase with/without neutral		
Power supply			
Auxiliary supply voltage Us	Self powered		
Operating voltage range	0.7...1.2 Ue		
Rated frequency	Hz	50/60 ±5%	
Power consumption Max	VA	30	
Power dissipation Max	W	2.5	
Control circuit			
Rated voltage to control (Ue)	min	VAC	208
	Max	VAC	240
Voltage set-point (%Ue)	min	%	80...95
	Max	%	105...115
Asymmetry set-point (%Ue)		%	5...15
Frequency set-point (% rated frequency)	min	%	90...99
	Max	%	101...110
Tripping delay	s	0.1...30	
Resetting time	s	0.1...30	
Resetting hysteresis	%	1...5	
Instantaneous tripping for Ue	Voltage <70% Ue		
Type of reset	Automatic or manual		
Repeat accuracy	%	<±0.1	
Relay outputs			
Number of relays	Nr.	1	
Relay state	Normally energised De-energises at tripping		
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
Minimum AC voltage	Yes
Maximum AC voltage	Yes
Natural loss	Yes
Phase loss	Yes
Incorrect phase sequence	Yes
Asymmetry	Yes
Minimum frequency	Yes
Maximum frequency	Yes
Programmable via NFC technology and APP	Yes

Indications

Indication	1 green LED for power and 5 red LEDs for tripping
------------	---

Connections

Terminals type			Screw		
Tightening torque for terminals			max	Nm	0.8
			max	lbin	7
Conductor cross section					
AWG/Kcmil			min	AWG	24
			Max	AWG	12
IEC			min	mm²	0.2
			Max	mm²	4

Insulations

Rated insulation voltage U_i	V	600
Rated impulse withstand voltage U_{imp}	kV	6
Operating frequency withstand voltage	kV	4

Ambient conditions

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

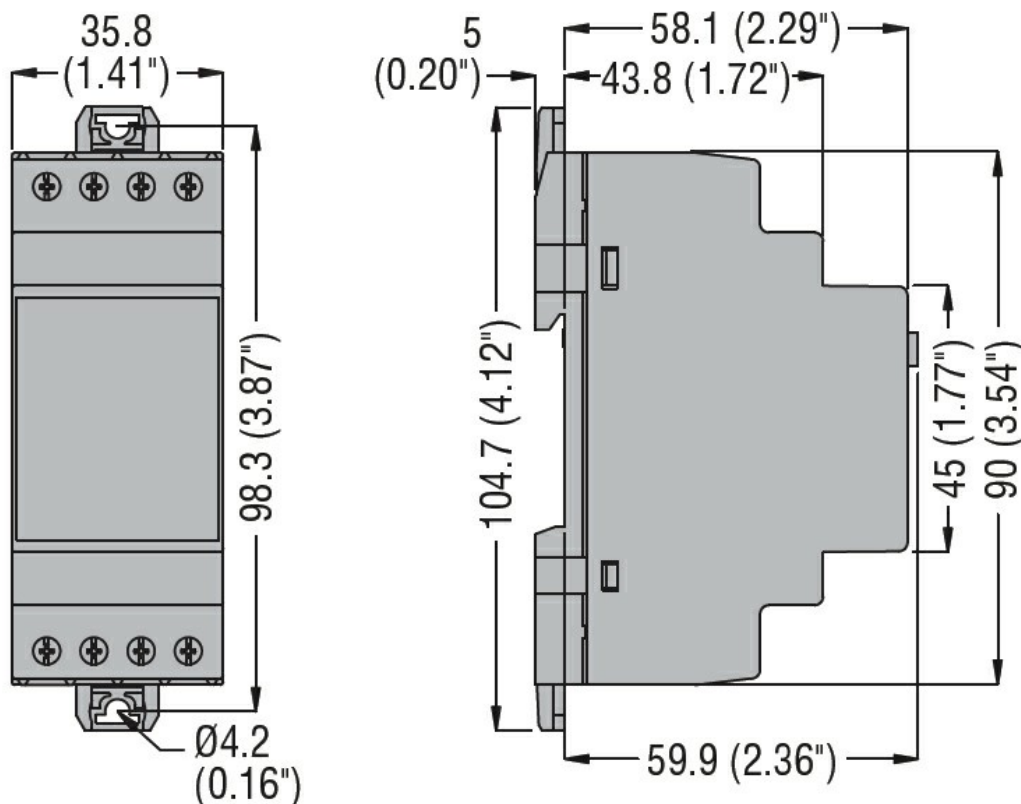
Housing

Execution (n° of modules)	2
Material	Self-extinguishing polyamide
Mounting	35mm DIN rail (IEC/EN 60715)
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

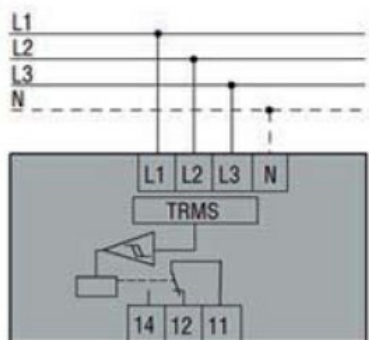
Weight

g 130

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n°14
IEC/EN 60255-26
IEC/EN 60255-27
IEC/EN 60335-2-89
UL508

Certificates

cULus
EAC

ETIM classification

ETIM 8.0

EC001438 -
Voltage
monitoring relay