



General characteristics

Description			Minimum and maximum frequency control
Type of system			Single-phase
Power supply			
Auxiliary supply voltage U_s			Self powered
Operating voltage range			0.85...1.1 U_e
Rated frequency	Hz	50 or 60 Hz selectable	
Power consumption Max	VA	17	
Power dissipation Max	W	1.5	
Control circuit			
Rated voltage to control (U_e)			
	min	VAC	380
	Max	VAC	415
Frequency set-point (% rated frequency)			
	min	%	90...99
	Max	%	101...110
Tripping delay	s	0.1...20	
Resetting time	s	0.1...20	
Resetting hysteresis	%	0.5	
Type of reset			Automatic
Repeat accuracy	%	<±0.1	
Voltage inputs			
Frequency range	Hz	40...70	
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	
Minimum frequency		No	
Maximum frequency		No	

Indications

Indication	1 green LED for power on and tripping and 2 red LEDs for min/max tripping
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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 Ui	V	575
Rated impulse withstand voltage Uimp	kV	6
Operating frequency withstand voltage	kV	4

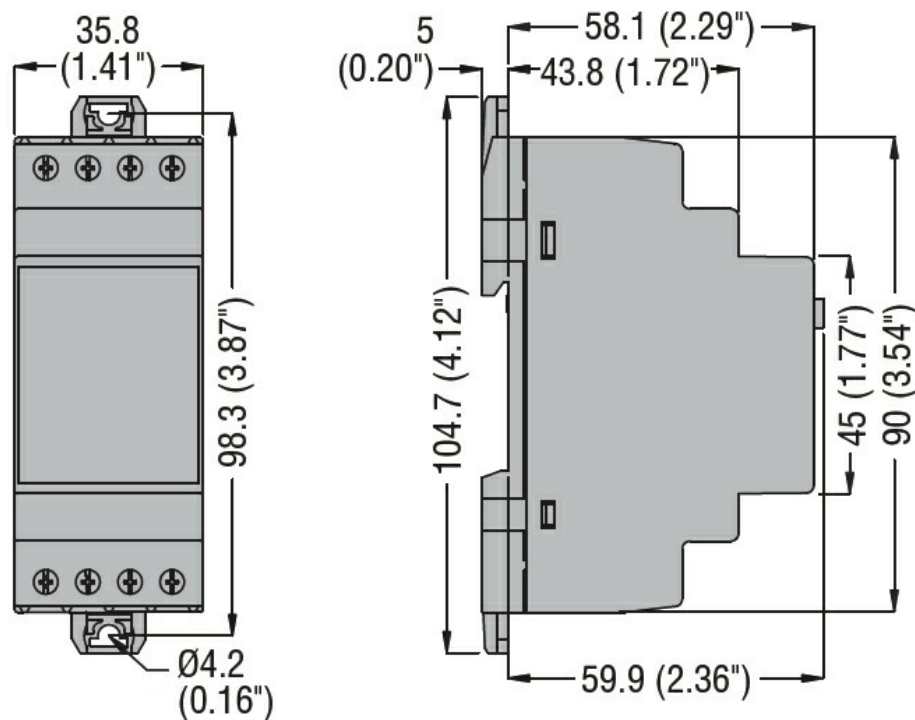
Ambient conditions

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

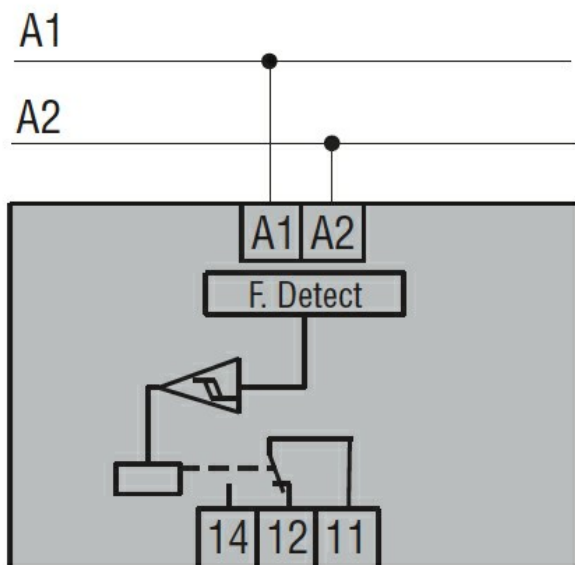
Housing

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	125

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 14

IEC/EN 60255-5

IEC/EN 60335-2-89

IEC/EN 61000-6-2

IEC/EN 61000-6-3

UL 508

Certificates

CSA C22.2 n. 60335-2-40:22 LZGH A2L

CSA C22.2 No. 60335-2-89:21 LZGH A2L

cULus

EAC

UL 60335-2-40 LZGH A2L

UL 60335-2-89 LZGH A2L

ETIM classification

ETIM 8.0

EC001442 -
Frequency
monitoring relay