

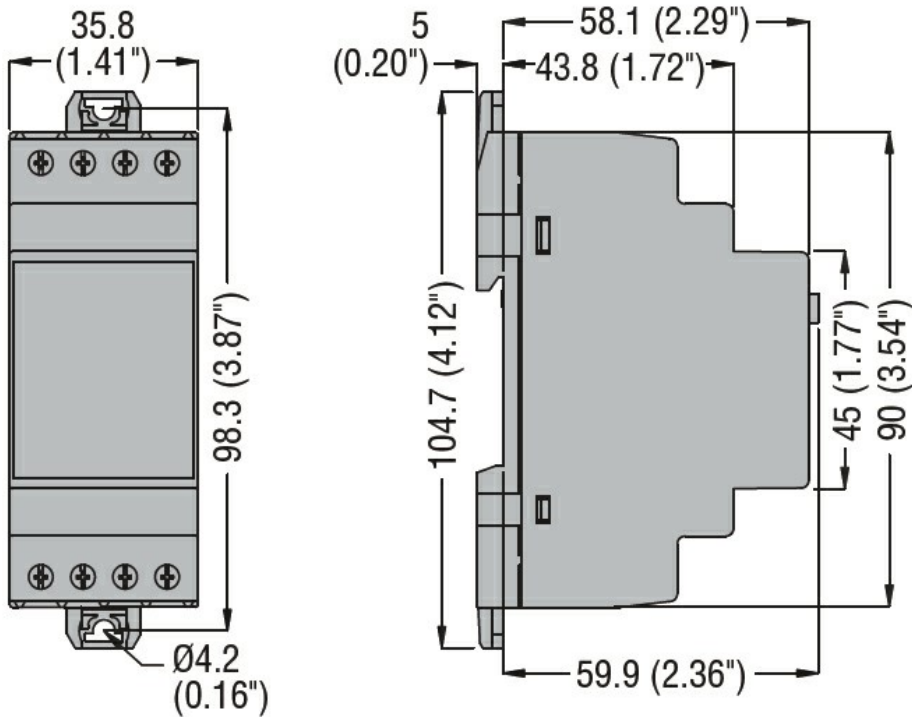


General characteristics

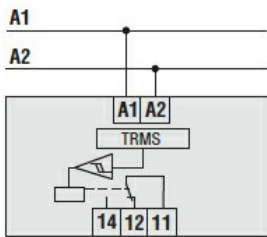
Description				Minimum and maximum AC voltage relay
Type of system				Single-phase
Power supply				
Auxiliary supply voltage U_s				Self powered
Operating voltage range				0.7...1.2 U_e
Rated frequency	Hz			50/60 $\pm 5\%$
Power consumption Max	VA			17
Power dissipation Max	W			1.5
Control circuit				
Rated voltage to control (U_e)	min	VAC	380	
	Max	VAC	440	
Voltage set-point ($\%U_e$)	min	%	80...95	
	Max	%	105...115	
Tripping delay			s	0.1...20
Resetting time			s	0.1...20 (0.5 at power up)
Resetting hysteresis			%	3
Instantaneous tripping for U_e				Voltage $< 70\% U_e$
Type of reset				Automatic
Repeat accuracy			%	$< \pm 0.1$
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 $I_{th} \leq 40^\circ C$	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 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	mm ²	0.2
		Max	mm ²	4
Insulations				
Rated insulation voltage Ui			V	440
Rated impulse withstand voltage Uimp			kV	6
Operating frequency withstand voltage			kV	4
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				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

EC001438 -
Voltage
monitoring relay