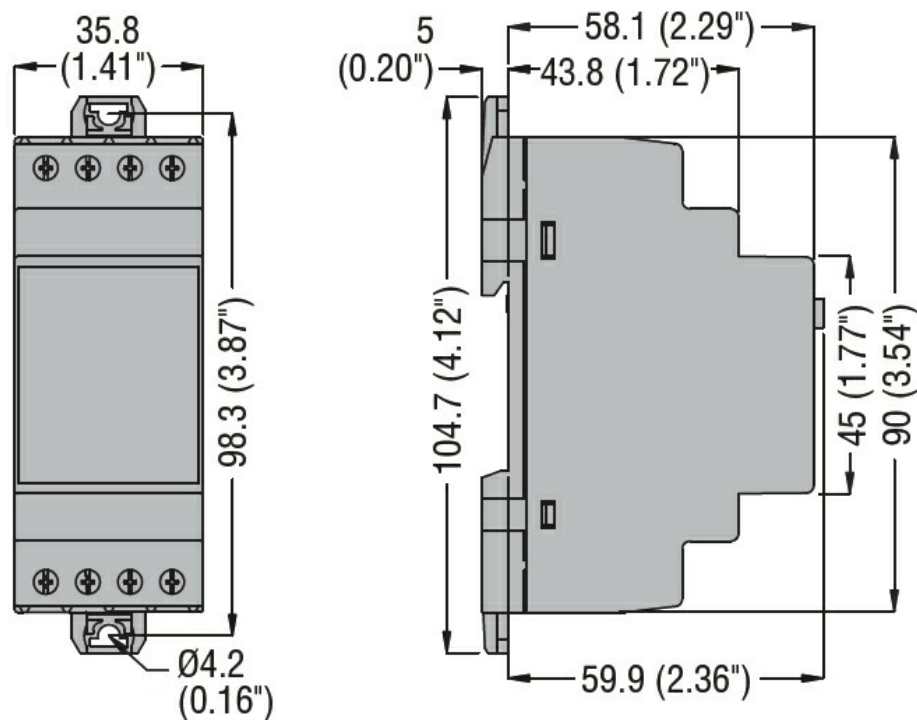




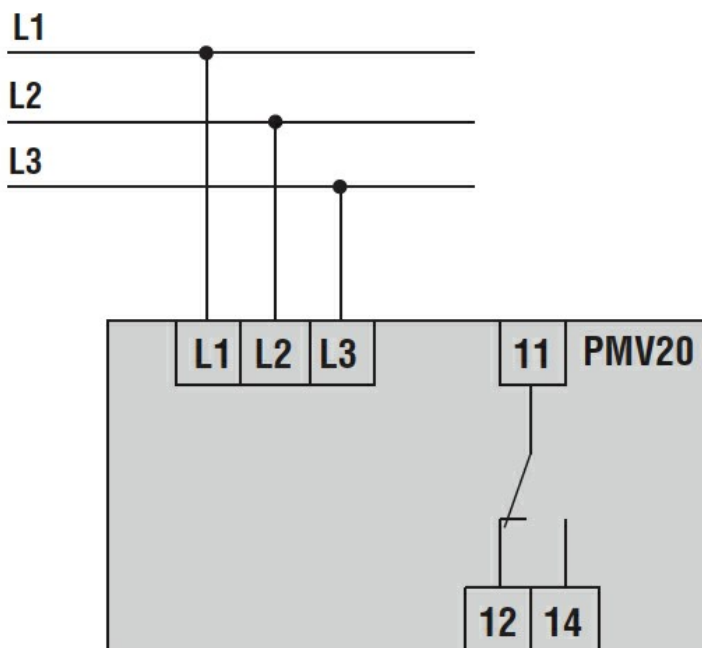
General characteristics

Description			Phase loss and incorrect phase sequence relay
Type of system			Three-phase without neutral
Power supply			
Auxiliary supply voltage U_s			Self powered
Operating voltage range			0.85...1.1 U_e
Rated frequency	Hz	50/60 $\pm 5\%$	
Power consumption Max	VA	28	
Power dissipation Max	W	2.5	
Control circuit			
Rated voltage to control (U_e)			
	min	VAC	100
	Max	VAC	240
Tripping delay	s	0.06	
Resetting time	s	0.5	
Resetting hysteresis	%	5	
Instantaneous tripping for U_e			Voltage $< 70\% U_e$
Type of reset			Automatic
Repeat accuracy	%	$\leq \pm 1$	
Tripping time for phase loss	ms	60	
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	3000000
Functions			
Modular version			2U
Minimum AC voltage			No
Maximum AC voltage			No
Phase loss			Yes
Incorrect phase sequence			Yes
Asymmetry			No
Indications			

Indication			1 green LED for power on and tripping		
Connections					
Terminals type			Screw		
Tightening torque for terminals			max	Nm	0.8
			max	Ibin	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	600	
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	120	
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