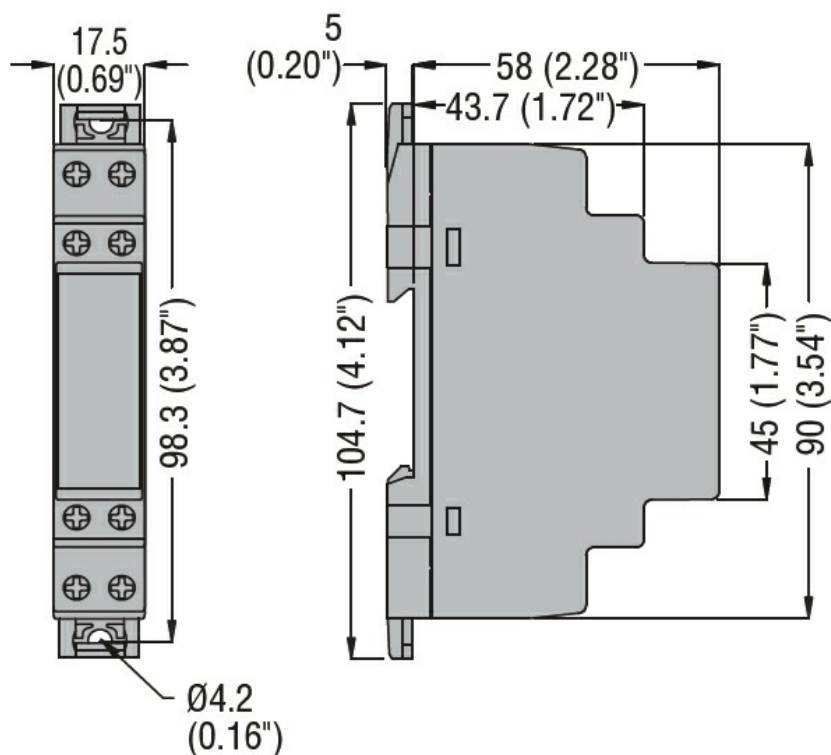




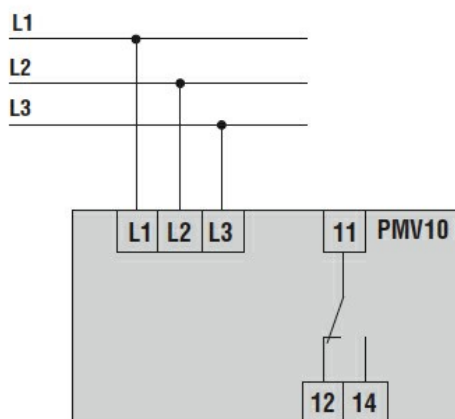
General characteristics

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	20	
Power dissipation Max	W	2.2	
Control circuit			
Rated voltage to control (U_e)	min	VAC	208
	Max	VAC	480
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	1U		
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	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	480	
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)			1		
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	17.5 x 104.7 x 63	
Weight			g	50	
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