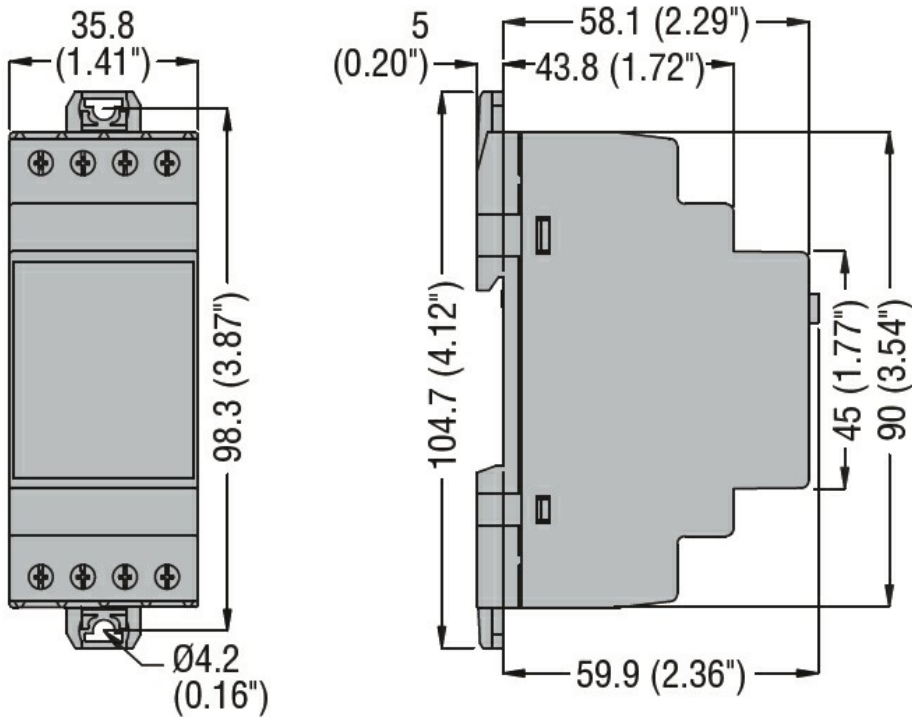




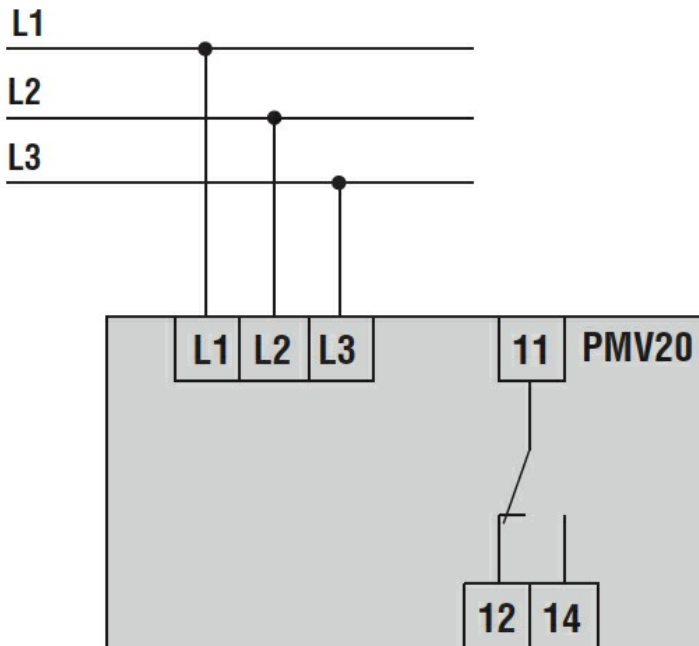
### General characteristics

Description	Phase loss and incorrect phase sequence relay		
Type of system	Three-phase without neutral		
<b>Power supply</b>			
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	
<b>Control circuit</b>			
Rated voltage to control ( $U_e$ )	min	VAC	208
	Max	VAC	575
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	%	$\pm 1$	
Tripping time for phase loss	ms	60	
<b>Relay outputs</b>			
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	3000000	
<b>Functions</b>			
Modular version	2U		
Minimum AC voltage	No		
Maximum AC voltage	No		
Phase loss	Yes		
Incorrect phase sequence	Yes		
Asymmetry	No		
<b>Indications</b>			

Indication				1 green LED for power on and tripping
<b>Connections</b>				
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 <sup>2</sup>	0.2
		Max	mm <sup>2</sup>	4
<b>Insulations</b>				
Rated insulation voltage Ui			V	600
Rated impulse withstand voltage Uimp			kV	6
Operating frequency withstand voltage			kV	4
<b>Ambient conditions</b>				
Temperature				
Operating temperature		min	°C	-20
		max	°C	+60
Storage temperature		min	°C	-30
		max	°C	+80
<b>Housing</b>				
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
<b>Dimensions</b>				



**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

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

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EAC

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UL 60335-2-40 LZGH A2L

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UL 60335-2-89 LZGH A2L

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**ETIM classification**

ETIM 8.0

EC001438 -  
Voltage  
monitoring relay