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Product designation			Voltage monitoring relays
Product type designation			PMV50
General characteristics			
Description			Minimum and maximum AC voltage, phase loss and incorrect phase sequence
			relay
Type of system			Three-phase without neutral
Power supply			
Auxiliary supply voltage Us			Self powered
Operating voltage range			0.71.2 Ue
Rated frequency		Hz	50/60 ±5%
Power consumption Max		VA	30
Power dissipation Max		W	2.5
Control circut			
Rated voltage to control (Ue)			
	min	VAC	380
	Max	VAC	575
Voltage set-point (%Ue)			
	min	%	8095
	Max	%	105115
Tripping delay		S	0.120
Resetting time		S	0.120 (0.5 at power up)
Resetting hysteresis		%	3
Instantaneous tripping for Ue			Voltage <70% Ue
Type of reset			Automatic
Repeat accuracy		%	<±0.1
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 Ith		А	8
UL/CSA and IEC/EN 60947-5-1 designation			B300
Electrical life (with rated load)		cycles	100000

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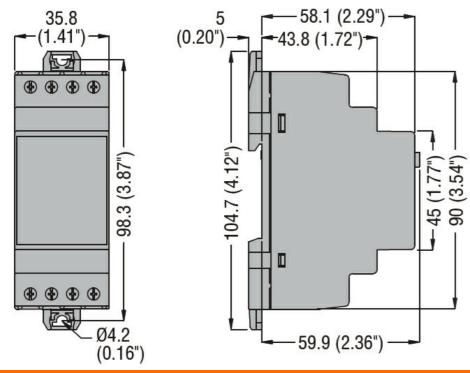


Mechanical life			cycles	3000000
Functions			0)0.00	
Modular version				2U
Minimum AC voltage	2			Yes
Maximum AC voltag				Yes
Phase loss				Yes
Incorrect phase seq	uence			Yes
Asymmetry				No
Indications				
Indication				1 green LED for power on and tripping and 2 red LEDs for tripping
Connections				
Terminals type				Screw
Tightening torque fo	r terminals			
		max	Nm	0.8
Conductor cross co	ation .	max	Ibin	7
Conductor cross se				
	AWG/Kcmil	min	AWG	24
		Max	AWG	12
	IEC	IVIAN	ANG	12
		min	mm²	0.2
		Max	mm²	4
Insulations		11100 (
Rated insulation volt	age Ui		V	600
Rated impulse withs			kV	6
Operating frequency			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 mo	dules)			2
Material				Self-extinguishing polyamide
				35mm DIN rail
Mounting				(IEC/EN 60715)
Mounting IEC degree of prote	ection			
			mm	(IEC/EN 60715) IP40 on front;
IEC degree of prote			mm	(IEC/EN 60715) IP40 on front; IP20 at terminals 35.8 x 104.7 x

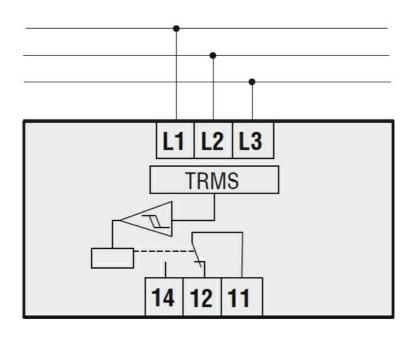
PMV50A575



PMV50A575 SPANNUNGSWÄCHTER 3-PHASIG OHNE NULLLEITER



Wiring diagrams



Certifications and compliance Compliance CSA C22.2 n° 14 IEC/EN 60255-5 IEC/EN 61000-6-2 IEC/EN 61000-6-3 UL 508 Certificates cULus EAC

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ETIM classification

ETIM 8.0

EC001438 -Voltage monitoring relay