ENERGY AND AUTOMATION

RELAIS DE MESURE/CONTRÔLE DE TENSION, DÉCLE.RET. 3L MIN/MAX, ABSENCE/ORDRE DES PHASES, 380-575VAC

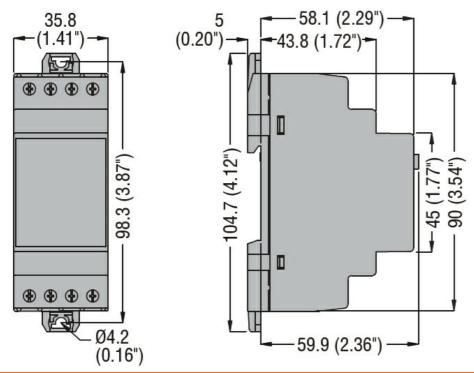
			**
Product designation			Voltage
Product type designation			monitoring relays PMV50
General characteristics			1 101 0 30
Description			Minimum and maximum AC voltage, phase loss and incorrect phase sequence relay
Type of system			Three-phase without neutral
Power supply			
Auxiliary supply voltage Us			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
Valte as set maint (0/11a)	Max	VAC	575
Voltage set-point (%Ue)	min	0/	8095
	min Max	% %	105115
Tripping delay	IVIAX	/0 S	0.120
			0.120 (0.5 at
Resetting time		S	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		N In	4
Number of relays Relay state		Nr.	Normally energised Deenergises at
Contact arrangement			tripping 1 changeover
-		1/40	SPDT
Rated operational voltage AC (IEC)		VAC	250
Maximum switching voltage		VAC	400
IEC Conventional free air thermal current Ith		Α	8
UL/CSA and IEC/EN 60947-5-1 designation		a, l · ·	B300
Electrical life (with rated load)		cycles	100000

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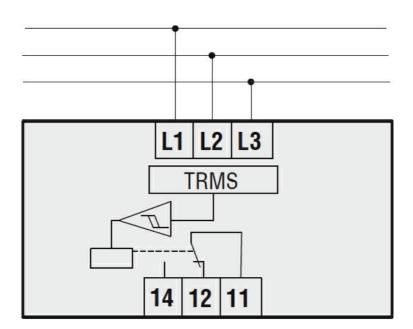
DES PHASES, 380-575VAC **ENERGY AND AUTOMATION**

Mechanical life		cycles	30000000
Functions			
Modular version			2U
Minimum AC voltage			Yes
Maximum AC voltage			Yes
Phase loss			Yes
Incorrect phase sequence			Yes
Asymmetry			No
Indications			
			1 green LED for
Indication			power on and
			tripping and 2 red
Connections			LEDs for tripping
Terminals type			Screw
Tightening torque for terminals			Sciew
riginering torque for terminals	may	Nm	0.8
	max max	Ibin	7
Conductor cross section	Пих	10111	
AWG/Kcmil			
AWO/ICIIII	min	AWG	24
	Max	AWG	12
IEC	IVIOX	7,,,,	12
	min	mm²	0.2
	Max	mm²	4
Insulations			
Insulations Rated insulation voltage Ui		V	600
Insulations Rated insulation voltage Ui Rated impulse withstand voltage Uimp		V kV	600
Rated insulation voltage Ui			
Rated insulation voltage Ui Rated impulse withstand voltage Uimp		kV	6
Rated insulation voltage Ui Rated impulse withstand voltage Uimp Operating frequency withstand voltage		kV	6
Rated insulation voltage Ui Rated impulse withstand voltage Uimp Operating frequency withstand voltage Ambient conditions		kV	6
Rated insulation voltage Ui Rated impulse withstand voltage Uimp Operating frequency withstand voltage Ambient conditions Temperature	min	kV	6
Rated insulation voltage Ui Rated impulse withstand voltage Uimp Operating frequency withstand voltage Ambient conditions Temperature	min max	kV kV	6 4
Rated insulation voltage Ui Rated impulse withstand voltage Uimp Operating frequency withstand voltage Ambient conditions Temperature		kV kV °C	-20
Rated insulation voltage Ui Rated impulse withstand voltage Uimp Operating frequency withstand voltage Ambient conditions Temperature Operating temperature		kV kV °C °C	-20
Rated insulation voltage Ui Rated impulse withstand voltage Uimp Operating frequency withstand voltage Ambient conditions Temperature Operating temperature Storage temperature	max	kV kV °C °C	-20 +60
Rated insulation voltage Ui Rated impulse withstand voltage Uimp Operating frequency withstand voltage Ambient conditions Temperature Operating temperature Storage temperature Housing	max min	kV kV °C °C	-20 +60 -30 +80
Rated insulation voltage Ui Rated impulse withstand voltage Uimp Operating frequency withstand voltage Ambient conditions Temperature Operating temperature Storage temperature	max min	kV kV °C °C	-20 +60 -30 +80
Rated insulation voltage Ui Rated impulse withstand voltage Uimp Operating frequency withstand voltage Ambient conditions Temperature Operating temperature Storage temperature Housing	max min	kV kV °C °C	-20 +60 -30 +80
Rated insulation voltage Ui Rated impulse withstand voltage Uimp Operating frequency withstand voltage Ambient conditions Temperature Operating temperature Storage temperature Housing Execution (n° of modules)	max min	kV kV °C °C	-20 +60 -30 +80 2 Self-extinguishing
Rated insulation voltage Ui Rated impulse withstand voltage Uimp Operating frequency withstand voltage Ambient conditions Temperature Operating temperature Storage temperature Housing Execution (n° of modules) Material	max min	kV kV °C °C	-20 +60 -30 +80 2 Self-extinguishing polyamide 35mm DIN rail
Rated insulation voltage Ui Rated impulse withstand voltage Uimp Operating frequency withstand voltage Ambient conditions Temperature Operating temperature Storage temperature Housing Execution (n° of modules) Material Mounting	max min	kV kV °C °C	-20 +60 -30 +80 2 Self-extinguishing polyamide 35mm DIN rail (IEC/EN 60715) IP40 on front;
Rated insulation voltage Ui Rated impulse withstand voltage Uimp Operating frequency withstand voltage Ambient conditions Temperature Operating temperature Storage temperature Housing Execution (n° of modules) Material Mounting IEC degree of protection	max min	°C °C °C	-20 +60 -30 +80 2 Self-extinguishing polyamide 35mm DIN rail (IEC/EN 60715) IP40 on front; IP20 at terminals 35.8 x 104.7 x
Rated insulation voltage Ui Rated impulse withstand voltage Uimp Operating frequency withstand voltage Ambient conditions Temperature Operating temperature Storage temperature Housing Execution (n° of modules) Material Mounting IEC degree of protection Dimensions (W x H x D)	max min	kV kV °C °C °C	-20 +60 -30 +80 2 Self-extinguishing polyamide 35mm DIN rail (IEC/EN 60715) IP40 on front; IP20 at terminals 35.8 x 104.7 x 64.9

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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

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