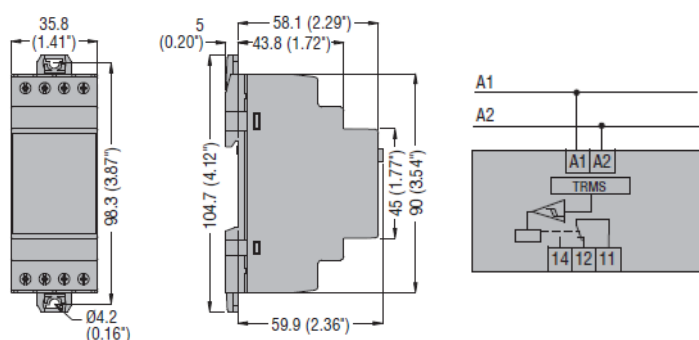


Order code	Rated voltage to control Ue	Qty per pkg	Wt
	[V] 50/60Hz	n°	[kg]

Single-phase system.  
Minimum and maximum AC voltage. Delayed trip.

PMV55 A240	208-240VAC	1	0.125
PMV55 A440	380-440VAC	1	0.125



### General characteristics

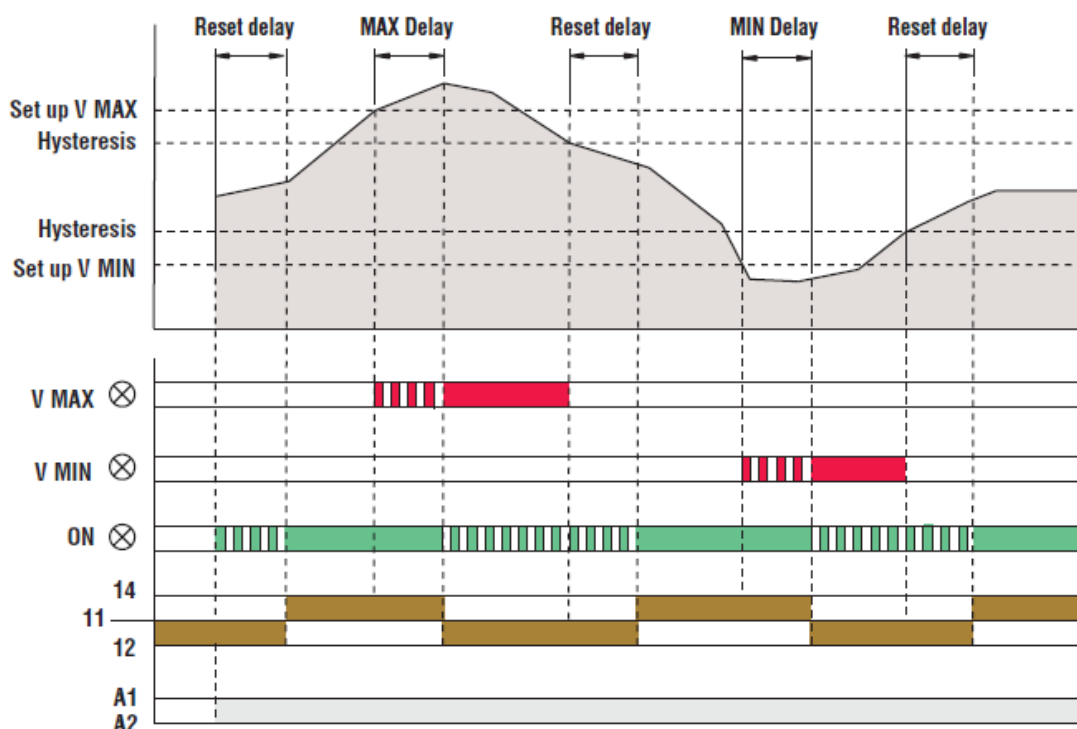
- Voltage monitoring relay, self powered, for minimum and maximum voltage
- 4 configurable rated voltage (Ue):
  - PMV55 A240: 208-220-230-240VAC
  - PMV55 A440: 380-400-415-440VAC
- Excellent tripping accuracy
- TRMS measurements (True Root Mean Square)
- 1 relay output with 1 changeover contact (SPDT)
- Modular DIN 43880 housing, 2 module
- IEC protection degree: IP40 on front (only when placed in IP40 enclosure or control board); IP20 at terminals.

### ADJUSTMENTS

- “V max” Maximum voltage tripping threshold 105-115% Ue
- “V min” Minimum voltage tripping threshold 80-95% Ue
- “Delay” for each Tripping time 0.1-20s
- “Reset delay” Resetting time 0.1-20s.

### Certifications and compliance

Certifications obtained: EAC; UL Listed, for USA and Canada (cULus - File E93601), as Auxiliary Devices.  
Compliant with standards: IEC/EN 60255-5, IEC/EN 61000-6-2, IEC/EN 61000-6-3, UL 508, CSA C22.2 n° 14.



TYPE	Single phase	PMV55	—	—	—	—
	Three phase	—	PMV10	PMV20	PMV30	PMV40
	Three phase with/without neutral	—	—	—	—	—
<b>DESCRIPTION</b>						
	Mimum and maximum AC voltage		Phase loss and incorrect phase sequence		Minimum AC voltage, phase loss and incorrect phase sequence	Asymmetry, phase loss and incorrect phase sequence
<b>CONTROL CIRCUIT</b>						
Rated voltage to control (Ue)	208-240VAC	208-480VAC	100-240VAC	208-240VAC		
	380-440VAC		208-575VAC	380-575VAC		
			380-600VAC	600VAC		
Maximum voltage set-point	105-115% Ue	—	—	—	—	—
Minimum voltage set-point	80-95% Ue	—	—	80-95% Ue	—	—
Asymmetry set-point	—	—	—	—	—	5-15%Ue
Minimum and maximum frequency set-point	—	—	—	—	—	—
Tripping time	0.1-20s		60ms			0.1-20s
Resetting time	0.1-20s (0.5s at power up)		0.5s			0.1-20s (0.5s at power up)
Resetting hysteresis	3%		5%			3%
Instantaneous tripping for Ue	<70% Ue configured		Umin<70% Umax			<70% Ue configured <70% minimum Ue
Repeat accuracy	< ±0.1%		< ±1%			< ±0.1% < ±0.1%
<b>POWER SUPPLY</b>						
Auxiliary voltage (Us)			Self powered			
Operating range	0.7-1.2Ue		0.85-1.1Ue			0.7-1.2Ue
Frequency			50/60Hz ±5%			
Power consumption (maximum)	10VA (208-240VAC)ⓘ 17VA (380-440VAC)ⓘ		20VAⓘ		28VAⓘ	11VA (208-240VAC)ⓘ 30VA (380-575VAC)ⓘ 19VA (600VAC)ⓘ
Power dissipation (maximum)	1.5W		2.2W			2.5W
<b>RELAY OUTPUTS</b>						
Number of relays			1			
Relay state			Normally enegised De-energises at tripping			
Contact arrangement			1 changeover SPDT			
Rated operational voltage			250VAC			
Maximum switching voltage			400VAC			
Conventional free-air thermal current (Ith)			8A			
UL/CSA and IEC/EN 60947-5-1 designation			B300			
Electrical life (with rated load)			10 <sup>5</sup> cycles			
Mechanical life			30x10 <sup>6</sup> cycles			
Indications	1 green LED for power on and tripping 2 red LEDs for tripping		1 green LED for power on and tripping			1 green LED for power on and tripping 1 red LED for tripping
<b>CONNECTIONS</b>						
Terminal tightening torque (maximum)			0.8Nm (7lbin; 7-9lbin per UL/CSA)			
Conductor section min-max			0.2-4.0mm <sup>2</sup> (24-12AWG; 18-12 AWG per UL/CSA)			
<b>INSULTION (input-output)</b>						
IEC rated insulation voltage Ui	440VAC		480VAC			600VAC
IEC rated impulse withstand voltage Uimp			6kV			
IEC power frequency withstand voltage			4kV			
<b>AMBIENT CONDITIONS</b>						
Operating temperature			-20...+60°C			
Storage temperature			-30...+80°C			
<b>HOUSING</b>						
Material			Self-extinguishing polyamide			