# Voltage monitoring relays



## For three-phase systems with or without neutral



PMV50N...

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

Three-phase system, with or without neutral. Minimum and maximum AC voltage. Delayed trip. Phase loss, neutral loss and incorrect phase sequence. Instantaneous trip.

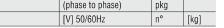
PMV50N A240	208240VAC	1	0.200
PMV50N A440	380440VAC	1	0.200
PMV50N A600	480600VAC	1	0.200

Rated voltage to control Ue (phase to phase)	Qty per pkg	Wt
[V] 50/60Hz	n°	[kg]

Three-phase system, with or without neutral. Minimum and maximum AC voltage and asymmetry.

Phase loss, neutral loss and incorrect phase sequence. Instantaneous trip.

PMV70N A240	208240VAC	1	0.200
PMV70N A440	380440VAC	1	0.200
PMV70N A600	480600VAC	1	0.200



## General characteristics

- Voltage monitoring relay, self powered, for minimum and maximum voltage, phase loss, neutral loss and incorrect phase sequence

  - phase sequence
    4 configurable rated voltage (Ue):
     PMV50N A240: 208-220-230-240VAC (phase-phase)
    120-127-132-138VAC (phase-neutral)
     PMV50N A440: 380-400-415-440VAC (phase-phase)
    220-230-240-254VAC (phase-phase)
     PMV50N A600: 480-525-575-600VAC (phase-phase)

- 277-303-332-347VAC (phase-neutral)
- Excellent tripping accuracy
- TRMS measurements (True Root Mean Square)
- Phase loss detection when one of the voltages is <70% rated voltage
- Phase or neutral loss tripping time: 60ms
- 2 relay outputs, each with 1 changeover contact (SPDT)
- Modular DIN 43880 housing, 3 modules
- IEC degree of protection: IP40 on front (only when placed in IP40 enclosure or control board); IP20 at terminals.

### **ADJUSTMENTS**

Maximum voltage tripping threshold "V max"

105...115% Ue

Minimum voltage tripping threshold "V min"

80...95% Ue

"Delay" for each Tripping time 0.1...20s "Reset Delay" Resetting time 0.1...20s.

# **Certifications and compliance** Certifications obtained: EAC.

Compliant with standards: IEC/EN 60255-5, IEC/EN 61000-6-2, IEC/EN 61000-6-3, UL 508,

CSA C22 2 nº 14

#### **General characteristics**

- Voltage monitoring relay, self powered, for minimum and maximum voltage, phase loss, neutral loss, incorrect phase sequence and asymmetry
- 4 configurable rated voltage (Ue):
  - PMV70N A240: 208-220-230-240VAC (phase-phase) 120-127-132-138VAC (phase-neutral)
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- Excellent tripping accuracy
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- Phase loss detection when one of the voltages is <70% rated value
- Phase or neutral loss tripping time: 60ms
- 2 relay outputs, each with 1 changeover contact (SPDT)
- Modular DIN 43880 housing, 3 modules
- IEC degree of protection: IP40 on front (only when placed in IP40 enclosure or control board); IP20 at terminals.

### **ADJUSTMENTS**

Maximum voltage tripping threshold "V max"

105...115% Ue

Minimum voltage tripping threshold "V min"

80...95% Ue

"Delay" for each Tripping time 0.1...20s

High voltage asymmetry tripping threshold "Asymmetry"

5...15% Ue.

## Certifications and compliance

Certifications obtained: FAC

Compliant with standards: IEC/EN 60255-5, IEC/EN 61000-6-2, IEC/EN 61000-6-3, UL 508,

CSA C22.2 nº 14.



PMV70N...