

For three-phase systems, with or without neutral



PMV70N...

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

PMV70N A240	208-240VAC	1	0.150
PMV70N A440	380-440VAC	1	0.150
PMV70N A600	480-600VAC	1	0.150

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)
 - PMV70N A440: 380-400-415-440VAC (phase-phase) 220-230-240-254VAC (phase-neutral)
 - PMV70N 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 value
- Phase or neutral loss tripping time: 60ms
- 2 relay outputs, each with 1 changeover contact (SPDT)
- Modular DIN 43880 housing, 3 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
- “Asymmetry” High voltage asymmetry tripping threshold 5-15% Ue.

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 n° 14.

Operational diagram

See page 18-18.



PMV80N...

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, minimum and maximum frequency. Delayed trip.
Phase loss, neutral loss and incorrect phase sequence.
Instantaneous trip.

PMV80N A240	208-240VAC	1	0.150
PMV80N A440	380-440VAC	1	0.150
PMV80N A600	480-600VAC	1	0.150

General characteristics

- Voltage monitoring relay, self powered, for minimum and maximum voltage, minimum and maximum frequency, phase loss, neutral loss and incorrect phase sequence
- 4 configurable rated voltage (Ue):
 - PMV80N A240: 208-220-230-240VAC (phase-phase) 120-127-132-138VAC (phase-neutral)
 - PMV80N A440: 380-400-415-440VAC (phase-phase) 220-230-240-254VAC (phase-neutral)
 - PMV80N 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 if 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, 3 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
- “Hz min/max” Minimum/maximum frequency tripping threshold 1-10%
- “V delay” Tripping time 0.1-20s
- “Hz delay” Tripping time 0.1-5s.

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 n° 14.

Operational diagram

See page 18-18.