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Voltage monitoring relays

For three-phase systems, without neutral



PMV50...

PMV60...

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

Three-phase system, without neutral.

Minimum and maximum AC voltage. Delayed trip.

| rhase ioss and incorrect phase sequence. Installaneous trip. | | | | | |
|--|------------|---|-------|--|--|
| PMV50 A240 | 208-240VAC | 1 | 0.130 | | |
| PMV50 A575 | 380-575VAC | 1 | 0.130 | | |
| PMV50 A600 | 600VAC | 1 | 0.130 | | |

General characteristics

- Voltage monitoring relay, self powered, for minimum and maximum voltage, phase loss and incorrect phase sequence
- Configurable rated voltage (Ue):

 PMV50 A240: 208-220-230-240VAC

 PMV50 A575: 380-400-415-440-460-480-525-575VAC
- High tripping accuracy
 TRMS measurements (True Root Mean Square)
- Control of phase-to-phase voltages
- Phase loss detection if one of the voltages is <70% rated value
- Phase loss tripping time: 60ms
 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 on terninals.

ADJUSTMENTS

"V max" Maximum voltage tripping threshold

105-115% Ue

"V min" Minimum voltage tripping threshold

80-95% Ue

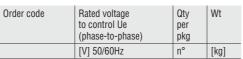
"Delay" for each Tripping time 0.1-20s "Reset delay" Resetting time 0.1-20s.

Certifications and compliance

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

Operational diagram

See page 18-17.



Three-phase system, without neutral.

Minimum AC voltage and asymmetry. Delayed trip.

Phase loss and incorrect phase sequence. Instantaneous trip.

| PMV60 A240 | 208-240VAC | 1 | 0.130 |
|------------|------------|---|-------|
| PMV60 A575 | 380-575VAC | 1 | 0.130 |
| PMV60 A600 | 600VAC | 1 | 0.130 |
| | | | |

General characteristics

- Voltage monitoring relay, self powered, for minimum voltage, phase loss and incorrect phase sequence
- Configurable rated voltage (Ue):
 PMV60 A240: 208-220-230-240VAC
- PMV60 A575: 380-400-415-440-460-480-525-575VAC
- Excellent tripping accuracy
- TRMS measurements (True Root Mean Square)
- Control of phase-to-phase voltages
- Phase loss detection if one of the voltages is <70% rated value
- Phase loss tripping time: 60ms
- 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 on terminals.

ADJUSTMENTS

"V min" Minimum voltage tripping threshold

80-95% Ue

"Asymmetry" High voltage asymmetry tripping

threshold 5-15% Ue "Delay" 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.

Operational diagram

See page 18-17.

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