

Voltage monitoring relay for single-phase systems



PMV55...

Order code	Rated voltage to control U _e	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 (U_e):
 - 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% U_e
- "V min" Minimum voltage tripping threshold
80-95% U_e
- "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.

Operational diagram

See page 18-18.

Current monitoring relay for single-phase systems



PMA20 240

Order code	Rated current I _e	Auxiliary supply voltage	Qty per pkg	Wt
	[A]	[V]	n°	[kg]

Single-phase system.
AC/DC maximum current control.
Auxiliary AC/DC power supply.
Automatic or manual reset.

PMA20 240	5 or 16A	24-240V AC/DC	1	0.121
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General characteristics

- Current monitoring relay for AC/DC maximum current control, AC/DC multivoltage auxiliary power supply
- Direct connection up to 16A max or by current transformer (CT)
- Excellent tripping accuracy
- TRMS current measurements (True Root Mean Square)
- Resetting and inhibition input
- 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

- "I_{max}" Maximum current tripping threshold
5-100% I_e
- "Hysteresis" Maximum hysteresis threshold
1-50%
- "Trip delay" Tripping time 0.1-30s
- "Inhibition time" Tripping delay for external input or at power up 1-60s
- "Aut. reset delay" Automatic resetting time 0.1-30s
- "Mode"
 - Rated current 5A or 16A,
 - Relay output normally energised or de-energised
 - Tripping memory (Latch) On or Off.

Certifications and compliance

Certifications obtained: EAC; UL Listed, for USA and Canada (cULus - File E93601), as Auxiliary Devices - Modular ampere monitoring relays. 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 18-19.