



new



Voltage monitoring modular relays

- Modular DIN rail mounting (*aligns with standard MCBs*)
- True RMS measurements

type	description	monitored voltage	width in 17.5 mm
Phase failure / reversal relay <i>instantaneous trip</i>			
PMV10A440	phase failure / reversal relay	208 - 480 VAC	1
PMV20A575	phase failure / reversal relay	208 - 575 VAC	2

Voltage monitors *single-phase or three-phase*

- Voltage monitoring relays, self powered, for minimum and maximum voltage
- Adjustments
 - "V max" maximum voltage tripping threshold 105 - 115% Ue
 - "V min" minimum voltage tripping threshold 80 - 95% Ue
 - "tripping" and "reset" time delay 0.1 - 20sec

Single phase monitoring

PMV55A240	single-phase over/under voltage monitor	208 - 240 VAC	2
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Three phase monitoring (*without neutral*)

- Self powered, for minimum and maximum voltage, phase loss and incorrect phase sequence

PMV50A575	3-phase over/under voltage monitor	380 - 575 VAC	2
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Three phase monitoring (*with or without neutral*)

self powered

- For minimum and maximum voltage, phase loss, neutral loss and incorrect phase sequence

PMV50NA440	minimum and maximum AC voltage	380 - 440 VAC	3
PMV50NA600	minimum and maximum AC voltage	480 - 600 VAC	3

As above with NFC programmability (*without front adjustment knobs*)

Multifunction voltage and frequency monitoring relay, self powered, for minimum and maximum voltage and frequency, phase loss, neutral loss, incorrect phase sequence and asymmetry.

- Programmable via smartphone or tablet with NFC technology and APP
- Simple, fast and intuitive programming (*password protected*)
- Very high accuracy and repeatability of settings

PMV95NA575NFC	multi-func. voltage and frequency relay (NFC)	380 - 575 VAC	2
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Current monitoring relays *TRMS measurements*

Single and three-phase, AC/DC minimum or maximum current control with delayed trip. Auxiliary AC/DC power supply, automatic or manual reset.

- AC/DC minimum or maximum current control with programmable delayed trip
- Multi-voltage auxiliary power supply 24 - 240 VAC/DC
- Direct connection up to 16A or by current transformer (CT) 5A secondary
- Automatic or manual reset
- Adjustments
 - maximum or minimum current tripping threshold 5 - 100% Ie
 - maximum or minimum hysteresis threshold 1 - 50%
 - "trip" delay (*selectable*) 0.1 - 30sec
 - "inhibition" time - external input or power up 1 - 60sec
 - current scale selection: 5A or 16A
 - tripping memory (*latch*) On or Off

PMA30240	minimum or maximum current monitor	24 - 240 VAC/DC	2
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Pump protection relay *single and three-phase systems (selectable)*

Maximum AC current and minimum cosφ. Delayed trip. Phase loss and incorrect sequence. Instantaneous trip (*automatic or manual reset*)

- Pump protection relay against dry running, auxiliary AC power supply
- Maximum AC current and minimum cosφ (*delayed trip*)
- Direct connection up to 16A or by current transformer (CT) 5A secondary
- Phase loss and incorrect phase sequence (*instantaneous trip*)
- Voltage control range 80 - 660 VAC
- Adjustments
 - "minimum" cosφ threshold (*underload/dry running*) 0.1 - 0.99
 - "maximum" (*over*) current threshold 10 - 100%
 - "trip" delay for min cosφ and max current 0.1 - 10sec
 - "inhibition" time - external input or power up 1 - 60sec
 - automatic reset time Off - 100min
 - current selection: 5A or 16A

PMA50A240	pump protection relay (<i>against dry running</i>)	220 - 240 VAC	3
PMA50A415	pump protection relay (<i>against dry running</i>)	380 - 415 VAC	3