

For single and three-phase systems



PMA50...

Table with 5 columns: Order code, Rated current Ie, Auxiliary supply voltage, Qty per pkg, Wt. It lists three models: PMA50 A240, PMA50 A415, and PMA50 A480 with their respective specifications.

Single and three-phase systems.
Maximum AC current and minimum cosφ. Delayed trip.
Phase loss and incorrect phase sequence. Instantaneous trip.
Auxiliary AC power supply.
Automatic or manual reset.

- General characteristics
- Pump protection relay against dry running, auxiliary AC power supply
  - Motor under-load and over-current control
  - Direct connection up to 16A max or by current transformer (CT)
  - Excellent tripping accuracy
  - Voltage control range 80-660VAC
  - Current control range 0.1-16A
  - Resetting and enabling consent input
  - 1 relay output relay 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
- "Cosφ min" Minimum cosφ threshold 0.1-0.99 (under-load/dry running)
  - "Imax" Maximum (over) current threshold 10-100%Ie
  - "Trip delay" Tripping time for minimum cosφ and maximum current 0.1-10s
  - "Inhibition time" Tripping delay for external input or at power up 1-60s
  - "Aut. reset delay" Automatic reset time OFF-100min
  - "Mode" • Rated current 5A or 16A
• Single or three phase
• External reset 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 pages 18-22 and 23.