

### For single-phase systems



PMA30 240

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

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

<b>PMA30 240</b>	5 or 16A	24-240V AC/DC	1	0.121
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#### General characteristics

- Current monitoring relay for AC/DC minimum or 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

- "Set point" Minimum or maximum current tripping threshold 5-100%  $I_e$
- "Hysteresis" Minimum or 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
- " $I_e$ " Current scale selection: 5A or 16A
- "Mode"
- Min or max function
  - 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 pages 18-20 and 21.



PMA40 240

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

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

<b>PMA40 240</b>	0.02-0.05- 0.25-1-5- 16A	24-240V AC/DC	1	0.166
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#### General characteristics

- Current monitoring relay for AC/DC minimum and 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)
- Automatic or manual resetting (manual resetting by power removal)
- 2 relay outputs (Min and Max), configurable, 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

- " $I_{max}$ " Maximum current tripping threshold 5-100%  $I_e$
- " $I_{min}$ " Minimum current tripping threshold 5-100%  $I_e$
- "Trip delay" Minimum and maximum current tripping time 0.1-30s
- "Inhibition time" Tripping time at power up 1-60s
- " $I_e$ " Current scale selection: 20mA, 50mA, 250mA, 1A, 5A or 16A
- "Mode"
- Separate or common relay outputs
  - 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 18-21 and 22.