

Current relay AR12NP-230V

CE

0.1-25 A, 1 CO contact not potential free
16 A/250V AC. Incandescent lamp load up to
3600 W. Standby loss 0.8 watt only.

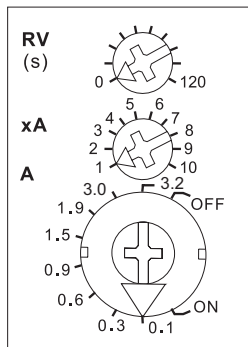
Modular device for DIN-EN 50 022 rail
mounting. 1 module = 18 mm wide, 58 mm
deep.

With an encapsulated toroidal-core current
transformer the single phase AC current flowing
through a consumer V1 is compared to the
setpoint. When the latter is exceeded a special
relay with high switching capacity switches off
a consumer V2 connected to 2 within 0.5
seconds or switches on a consumer V3
connected to 3. Adjustment accuracy $\pm 5\%$.

Zero passage switching to protect contacts
and lamps.

State-of-the-art hybrid technology combines
advantages of nonwearing electronic control
with high switching capacity of special relays.

Function rotary switches



The basis of current A will be set with the lower
rotary switch A. The following basic values can
be selected: 0.1 A, 0.3 A, 0.6 A, 0.9 A, 1.5 A,
1.9 A, 3.0 A and 3.2 A.

The multiplier xA will be set with the middle
latching rotary switch xA and offers values
between 1 and 10. So currents from 0.1 A
(basis of current 0.1 A and multiplier 1) can be
set. Settings above 25 A are limited internally
to 25 A.

OFF delay RV can be set with the upper latching
rotary switch RV between 0 and 120 secs.

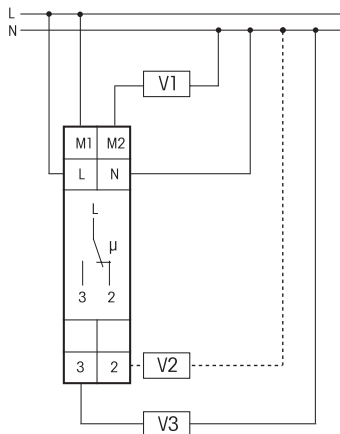
The hysteresis is defined as approx. 25%.

Status indication by LED.

The measuring input M1-M2 is electrically
isolated from power supply L-N and make
contact L-2/3.

Reference values larger than 25 A can be
adapted by an external measuring transformer.

Typical connection



Technical data

Supply voltage	230V
Rated switching capacity	16 A/250V AC
Incandescent lamp load 230V	3600 W
Contact material	AgSnO ₂
Contact gap	0.5 mm
Standby loss (activ power)	0.8 W



The strain relief clamps of the terminals
must be closed, that means the screws
must be tightened for testing the
function of the device. The terminals
are open ex works.

Important reminder!

**This electrical equipment may only be
installed by skilled electricians otherwise fire
hazard or danger of electric shock exists!**

07/2007 Subject to change without notice. 4844