

Switching, control and coupling relays ER12-001-230V, ER12-002-230V

ER12-001:

1 change over contact potential free
16 A/250V AC.

Incandescent lamp load up to 2300W.

No standby loss.

Safe disconnection to VDE 0106, Part 101; therefore, these devices can also be used as coupling relays.

ER12-002:

2 change over contacts potential free
10 A/250V AC.

Incandescent lamp load up to 2000W.

No standby loss.

Modular devices for DIN-EN 60715 TH35 rail mounting.

1 module = 18 mm wide, 58 mm deep.

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

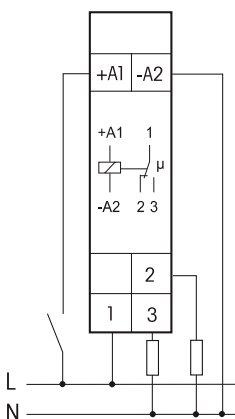
Control voltage 230V.

Low control power demand, therefore substantially less heat is generated.

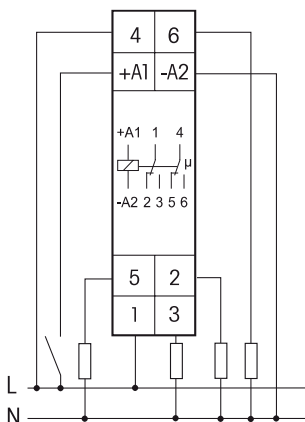
Low switching noise. Contact position indicator with LED.

Integrated free-wheeling anti-surge diode (A1 = +, A2 = -).

Typical connections



ER12-001



ER12-002

Technical Data

Control voltage	230V
-----------------	------

Rated switching capacity	
--------------------------	--

ER12-001-230V:	16 A/250V AC
----------------	--------------

ER12-002-230V:	10 A/250V AC
----------------	--------------

Incandescent lamp load and	
----------------------------	--

halogen lamp load ¹⁾ 230V	
--------------------------------------	--

ER12-001-230V:	2300 W
----------------	--------

ER12-002-230V:	2000 W
----------------	--------

Fluorescent lamp load with KVG*	
---------------------------------	--

in lead-lag circuit or non compensated	
--	--

ER12-001-230V:	1600 VA
----------------	---------

ER12-002-230V:	1000 VA
----------------	---------

Fluorescent lamps with KVG*	500 VA
-----------------------------	--------

shunt-compensated or with EVG*	
--------------------------------	--

Compact fluorescent lamp with	I on ≤ 70 A/
-------------------------------	--------------

EVG* and energy saving lamps	10 ms ²⁾
------------------------------	---------------------

Standby loss (activ power)	—
----------------------------	---

¹⁾ For lamps with 150W max

²⁾ For electronic ballast gears a 40fold inrush current has to be calculated. For steady loads of 1200W use the current-limiting relay SBR12.

* EVG = electronic ballast units;

KVG = conventional ballast units



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.

Warning!

Only a trained electrician may install this equipment, otherwise there is a risk of fire or electric shock.