

Relay for Reading Light

Art.: ERTH0082



Relay for Reading Light

Description

What is a Relay for Reading Light?

An electrical switch that allows controlling reading light with a low-power signal. It works by using an electromagnet to open or close the contacts in the relay, enabling or disabling the power to the light.

Features

- Control input can be continuously applied.
- Longer mechanical and electrical life, and much quieter than electromechanical step relays.
- 35 mm rail (EN 60715) mount.
- Cadmium-free contact material.
- Selectable Step or Monostable operation.
- Suitable for SELV applications and available also for supply 12 and 24 V AC/DC.

Technical specification

Contact specification

- Contact configuration: 1 CO (SPDT)

- Rated current/Maximum peak current (A): 16/30 (120 A-5 ms)
- Rated voltage/ Maximum switching voltage (V AC): 250/400
- Rated load AC1 (VA): 4000
- Rated load AC15 (230 V AC) (VA): 750
- Nominal lamp rating:
 - 230 V incandescent/halogen (W): 2000
 - fluorescent tubes with electronic ballast (W): 1000
 - fluorescent tubes with electromagnetic ballast(W): 750
 - CFL (W): 400
 - 230 V LED (W): 400
 - LV halogen or LED with electronic ballast (W): 400
 - LV halogen or LED with electromagnetic ballast (W): 800
- Minimum switching load (mW (V/mA)): 1000 (10/10)
- Standard contact material: AgSnO₂

Supply specification

- Nominal voltage (U_N):
 - V AC (50/60 Hz): 110...125 230...240
 - V DC/AC (50/60 Hz): 12 24
- Rated power:
 - V A (50/60Hz)W: 2.5/2.5
- Operating range
 - V AC (50 Hz): 90...130 184...253

- V DC/AC (50Hz): 10.8...13.2 20.6...33.6

Technical data

- Electrical life at rated load in AC1 (cycles): 100-10³
- Maximum impulse duration: continuous
- Dielectric strength between
 - open contacts (V AC): 1000
 - supply - contacts V AC): 4000

Dimensions

- W: 35mm / H:84.1mm / D:54.6mm

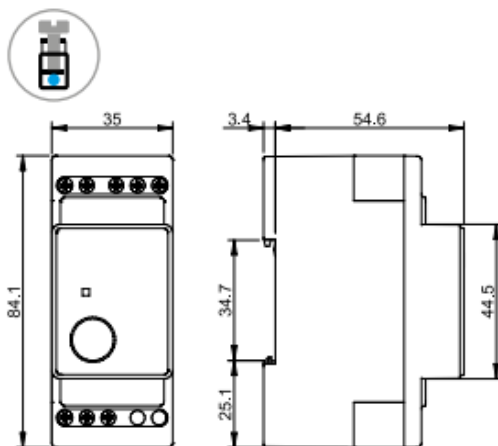
Operating Conditions

- Ambient temperature range (°C): -10...+60

Other

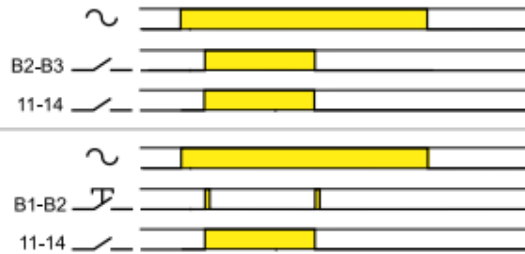
- Protection category: IP20
- Approvals (according to type): CE EAC UKCA
- According to EN 60601-12x MOOP
- 35 mm rail (EN 60715) mount
- Box clamp: With DC Bistable function: (12...13.2)V DC

Box clamp



Electronic step: Bistable or monostable relay

13.01



Monostable.

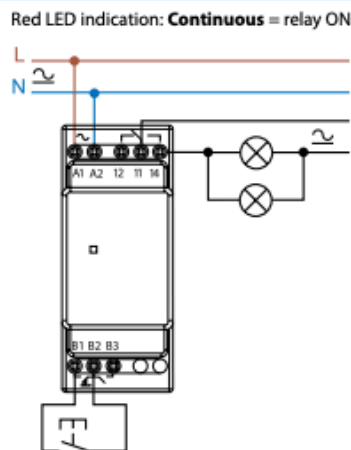
On closure of a switch between terminals (B2-B3) the output contact will close, and remain so, until the switch opens.

Step relay (bistable).

After every impulse (B1-B2), the output contact changes state - alternately switching from open to closed and vice versa.

Wiring diagram

Type 13.01
Step wiring diagram



Type 13.01
Monostable wiring diagram

