



Coupling relay for high lamps load

E1K16A 230V AC

Art.No. 110701

Coupling relay - Series ENYA

High switching capacity, 120A peak inrush current (20ms)

Ideally suited to switch LED lamps and high power lamps

The perfect solution for "hotel-card" applications

High current continuous load up to 16A AC

One N.O. (SPST) relay output contact

Width 17.5 mm

Installation design - to be mounted on DIN-rail TS 35



Technical data

1. Functions

Electronic coupling relay designed for LED and high lamp loads.

2. Indicators

Green LED U ON: indication of supply voltage
Yellow LED ON/OFF: indication of relay output

4. Mechanical design

Self-extinguishing plastic housing, IP rating IP 40
Mounted on DIN-rail TS 35 according to EN 60715
Mounting position: any
Shockproof terminal connection according to VBG 4 (PZ1 required),
IP rating IP20
Tightening torque: max. 1Nm
Terminal capacity:
1 x 0.5 to 2.5mm² with/without multicore cable end
1 x 4mm² without multicore cable end
2 x 0.5 to 1.5mm² with/without multicore cable end
2 x 2.5mm² flexible without multicore cable end

4. Power supply

Supply voltage: 230V a.c.
terminals L - N
Tolerance: -15% to +10%
Rated consumption: 1.55W (2.8VA)
Rated frequency: a.c. 48 to 63Hz
Duty cycle: 100%
Recovery-/ Reset time: 150ms
Drop off voltage: > 40V a.c.
Overvoltage category: III (in accordance with IEC 60664-1)
Rated surge voltage: 4kV

5. Output circuit

One n.o. (SPST) contact: terminals L - 18
Rated voltage: 250V a.c.

Switching capacity: 10A a.c., with 100% duty cycle
If the distance between the devices is less than 5mm.

Switching capacity: 16A a.c., with 100% duty cycle
If the distance between the devices is greater than 5mm.

Rated load: AC1: 4000VA (16A / 250V a.c.)
Start-up peak (20ms): 120A (LED and lamp load)
Mechanical life: 10 x 10⁶ operations
Electrical life
Resistive load: 1 x 10⁵ operations at 16A/250V a.c.
Lamp load: 80 x 10³ operations at 1000W/250V a.c.
Switching frequency: maximum 6x/min at 1000VA resistive load
Contact material: AgSnO₂

6. Control input B1

Connection not potential free: Push button B1-L

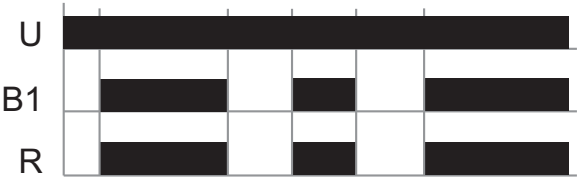
7. Ambient conditions

Ambient temperature: -25 to +55°C
Storage temperature: -25 to +70°C
Transport temperature: -25 to +70°C
Relative humidity: 15% to 85% (in accordance with
IEC 60721-3-3 class 3K3)
Pollution degree: 2 (in accordance with IEC 60664-1)

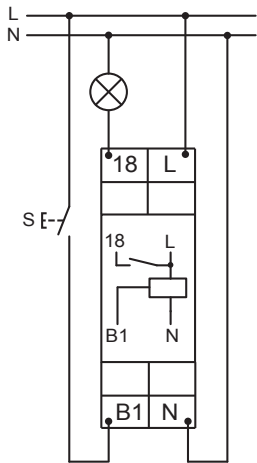
8. Weight

Single packing: 65g

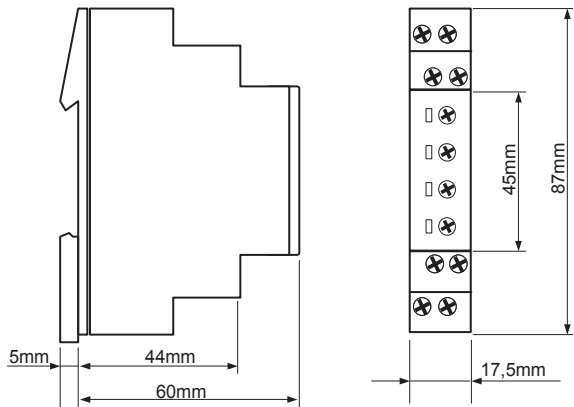
Function



Connections



Dimensions



This device is subject to the Waste Electrical and Electronic Equipment Regulation (WEEE) and may not be disposed of with normal domestic waste. The device is made of materials that can be recycled by specialized recycling companies. The device must be disposed according to the national regulations.