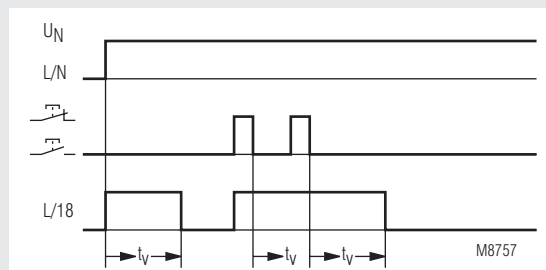




- According to EN 60669
- Setting range 0,5 ... 10 min.
- For 4-wire circuit L on push button and 3-wire circuit N on push button
- Can be retriggered
- Switch for continuous light on unit
- Contact: 16 A
- Width 17,5 mm

Function diagram



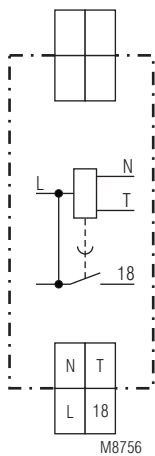
Approval and marking



Application

- Staircase lighting time switch
- Timer, release delay
- Follow-up switch

Circuit diagram



IK 8810.41

Function

The timing is retriggerable, i.e. if the push button is pressed again during timing the adjusted delay time starts again without interruption.

Indication

LED: on when output relay activated

Notes

Unit and push button have to be connected to the same phase (see connection diagram) The output contact is not volt free. When voltage is connected to I/N the output contact is closed for the time adjusted on the unit. (single timing)

Technical Data

Time circuit

Time range: 0,5 ... 10 min
Repeat accuracy: < 1 % of setting value

Input

Nominal voltage U_N : AC 230 V
Voltage range: 0,8 ... 1,1 U_N
Nominal consumption
 apparent power: 4 VA
 effective power: 1 W
Nominal frequency: 50 / 60 Hz
Permitted residual current caused by glow lamps in the push buttons: max. 10 glow lamps à 1 mA

Output

Contacts: 1 NO contact, delay
Contact opening gap: < 3 mm
Thermal current I_{th} : 16 A

Technische Daten

Switching capacity with lamp load

Fluorescent lamp load

Duo switching:

(series compensated)

20 lamps with 58 W each

5 x 10⁴ switching cycles

Glow lamp load:

1200 W at $T_{ein} / T_{aus} = 1 \text{ s} / 1 \text{ s}$

Short circuit strength

max. fuse rating:

16 AgL IEC/EN 60 947-5-1

Mechanical life:

> 10⁶ switching cycles

General Data

Nominal operating mode: impulse operation

Temperature range:

- 20 ... + 60°C

Clearance and creepage distances

overvoltage category /

contamination level:

4 kV / 2

IEC 60 664-1

EMC

Electrostatic discharge (ESD):

8 kV (air)

IEC/EN 61 000-4-2

HF-irradiation:

10 V / m

IEC/EN 61 000-4-3

Fast transients:

2 kV

IEC/EN 61 000-4-4

Surge voltages

between

wires for power supply:

2 kV

IEC/EN 61 000-4-5

between wire and ground:

4 kV

IEC/EN 61 000-4-5

Interference suppression:

Limit value class B

EN 55 011

Degree of protection:

Housing:

IP 40

IEC/EN 60 529

Terminals:

IP 20

IEC/EN 60 529

Enclosure:

Thermoplast with V0-behaviour according to UL subj. 94

Vibration resistance

Amplitude 0,35 mm

frequenzy 10 ... 55 Hz IEC/EN 60 068-2-6

20 / 045 / 04 IEC/EN 60 068-1

Climate resistance:

Terminal designation:

EN 50 005

Wire connection:

2 x 2,5 mm² solid or

2 x 1,5 mm² stranded wire with sleeve

DIN 46 228-1/-2/-3/-4

Wire fixing:

Flat terminals with self-lifting

clamping piece IEC/EN 60 999-1

Mounting:

DIN rail

IEC/EN 60 715

Weight:

75 g

Dimensions

Width x Height x Depth: 17,5 x 89 x 58 mm

Standard type

IK 8810.41 AC 230 V 50 / 60 Hz 0,5 ... 10 min

Article number:

0056928

stock item

• Output:

1 NO contact, delay

• Nominal voltage U_N :

AC 230 V

• Timer range:

0,5 ... 10 min

• Width:

17,5 mm

Ordering example

IK 8810 .41 AC 230 V 50 / 60 Hz 0,5 ... 10 min

Time range

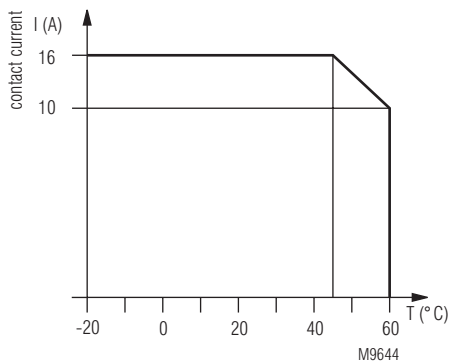
Nominal frequency

Nominal voltage

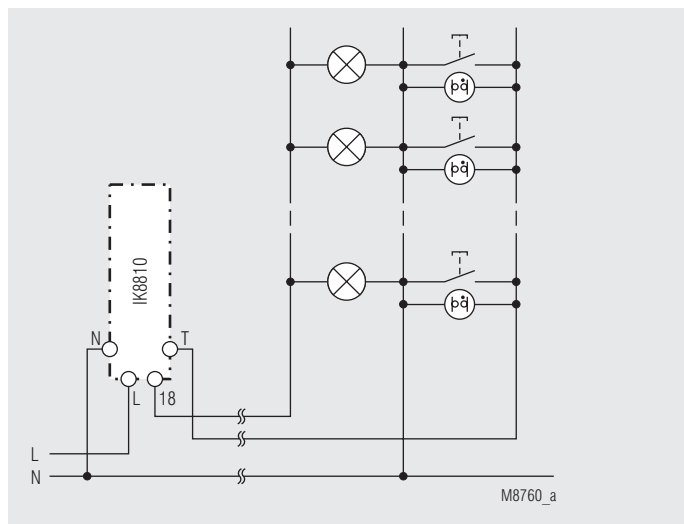
Contacts

Type

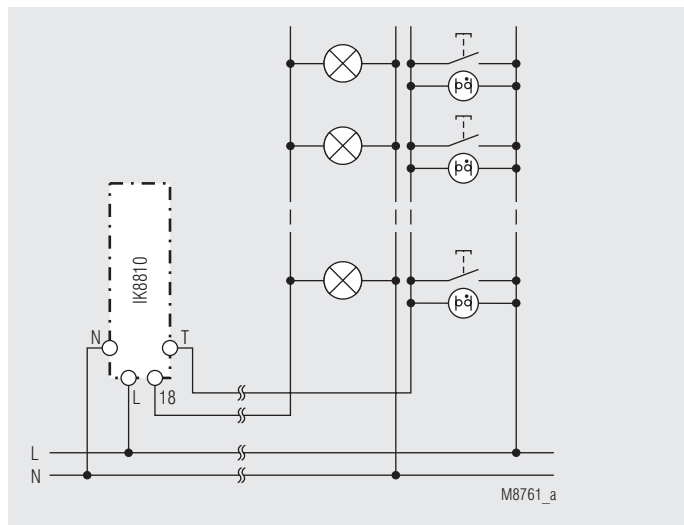
Characteristics



Application example



3-wire circuit N on push button



4-wire circuit L on push button