

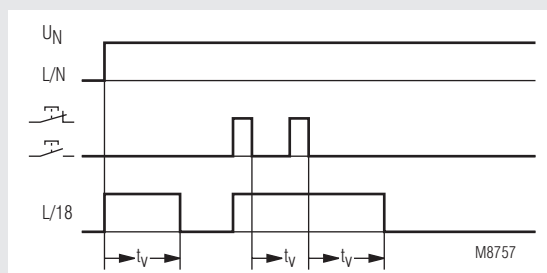
## MINITIMER Staircase Lighting Time Switch IK 8810/002

Translation  
of the original instructions



- 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
- with pre-warning shortly before end of time delay
- Switch for continuous light on unit
- Contact: 16 A
- Width 17.5 mm

### Function Diagram



### Approvals and Markings



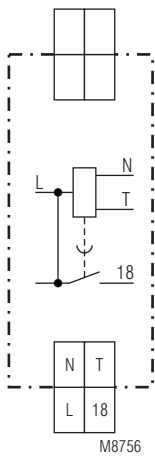
### Application

Staircase lighting time switch with prewarning

### Function

The timing is retriggerable, i.e. if the push button is pressed again during timing the adjusted delay time starts again without interruption. A short time before end of timing the light flashes shortly to indicate that the light will go off.

### Circuit Diagram



IK 8810.41

### 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.

### 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  
**Switching capacity at lamp load**  
Glow lamp load: 1200 W at  $T_{ein} / T_{aus} = 1 \text{ s} / 1 \text{ s}$   
**Short circuit strength**  
**max. fuse rating:** 16 A gG / gL IEC/EN 60947-5-1  
**Mechanical life:** > 10<sup>6</sup> switching cycles

## Technical Data

### General Data

**Nominal operating mode:** Impulse operation

**Temperature range:** - 20 ... + 60°C

### Clearance and creepage distances

rated impulse voltage /

pollution degree: 4 kV / 2 IEC 60664-1

### EMC

Electrostatic discharge (ESD): 8 kV (air) IEC/EN 61000-4-2

HF-irradiation: 10 V / m IEC/EN 61000-4-3

Fast transients: 2 kV IEC/EN 61000-4-4

Surge voltages

between

wires for power supply: 2 kV IEC/EN 61000-4-5

between wire and ground: 4 kV IEC/EN 61000-4-5

Interference suppression: Limit value class B EN 55011

### Degree of protection

Housing: IP 40 IEC/EN 60529

Terminals: IP 20 IEC/EN 60529

### Housing:

Thermoplast with V0-behaviour

according to UL subj. 94

Amplitude 0.35 mm frequency 10 ... 55 Hz IEC/EN 60068-2-6

20 / 045 / 04 IEC/EN 60068-1

EN 50005

### Wire connection:

2 x 2.5 mm<sup>2</sup> solid or

2 x 1.5 mm<sup>2</sup> stranded wire with sleeve

DIN 46228-1/-2/-3/-4

Flat terminals with self-lifting

clamping piece IEC/EN 60999-1

DIN rail IEC/EN 60715

Weight: 75 g

### Dimensions

**Width x Height x Depth:** 17.5 x 89 x 58 mm

### Standard Type

IK 8810.41/002 AC 230 V 50 / 60 Hz 0.5 ... 10 min

Article number: 0056929 stock item

• Output: 1 NO contact, delay

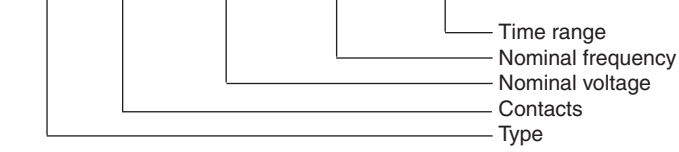
• Nominal voltage  $U_N$ : AC 230 V

• Timer range: 0.5 ... 10 min

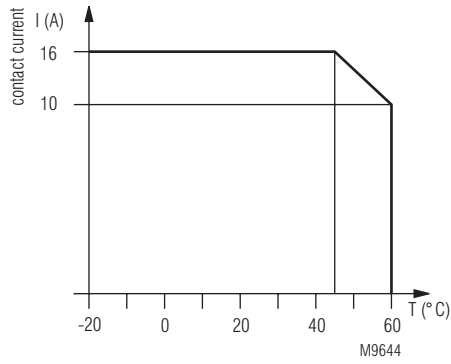
• Width: 17.5 mm

### Ordering Example

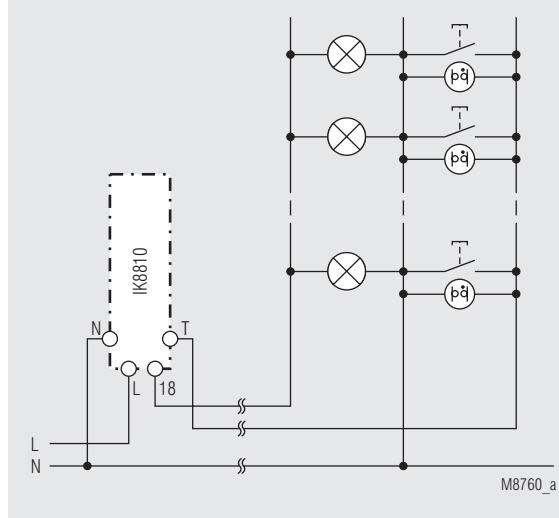
IK 8810 .41 /002 AC 230 V 50 / 60 Hz 0.5 ... 10 min



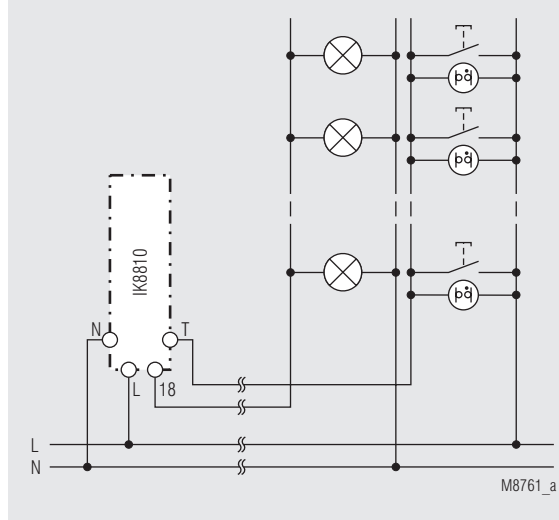
## Characteristics



## Application Example



3-wire circuit N on push button



4-wire circuit L on push button