

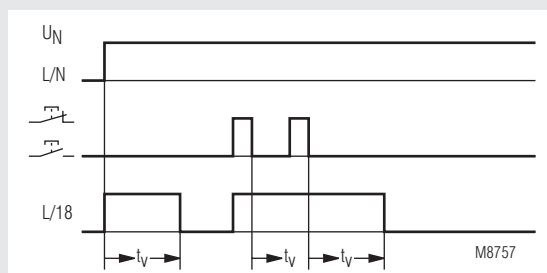
MINITIMER Staircase Lighting Time Switch IK 8810/002

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



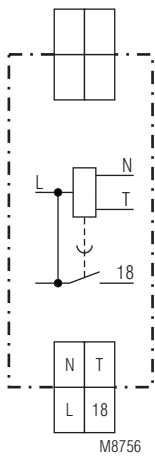
Application

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: > 10⁶ 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 mm² solid or

2 x 1.5 mm² 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

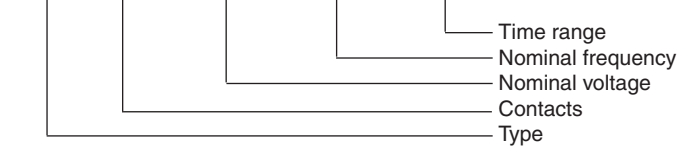
• Nominal voltage U_N : AC 230 V

• Timer range: 0.5 ... 10 min

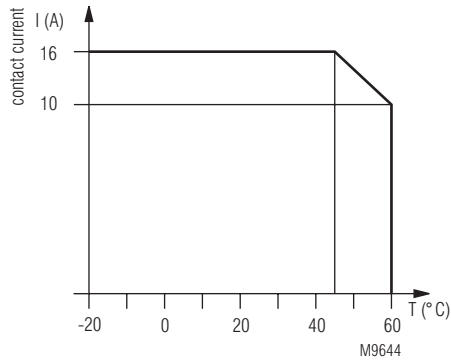
• Width: 17.5 mm

Ordering Example

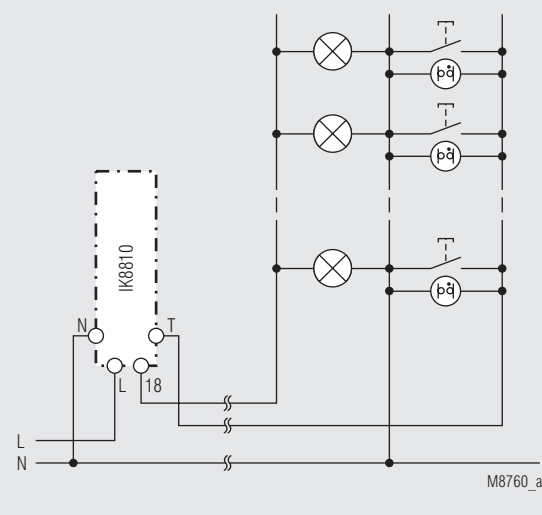
IK 8810 .41 /002 AC 230 V 50 / 60 Hz 0.5 ... 10 min



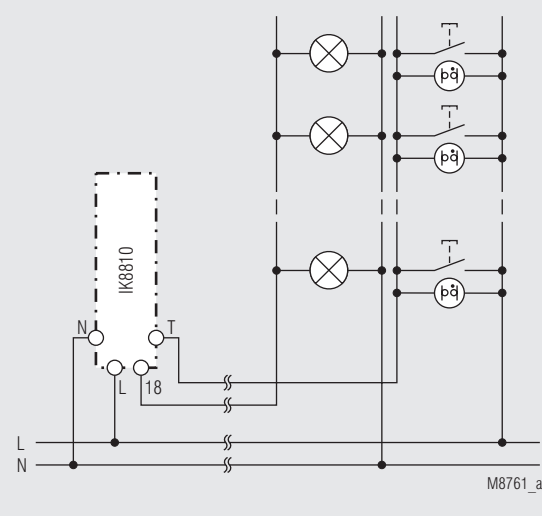
Characteristics



Application Example



3-wire circuit N on push button



4-wire circuit L on push button