

Installation Technique

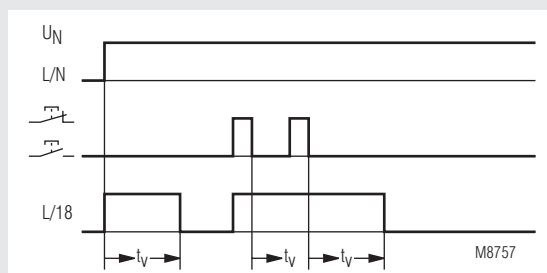
MINITIMER Staircase Lighting Time Switch IK 8810/001

Translation
of the original instructions



- According to EN 60669
- Setting range 0.5 ... 10 min.
- For 3-wire circuit N on push button
- Can be not retriggered
- Switch for continuous light on unit
- Contact: 16 A
- Width 17.5 mm

Function Diagram



Approvals and Markings



Application

- Staircase lighting time switch
- Timer, release delay

Function

The timing is not retriggerable.

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

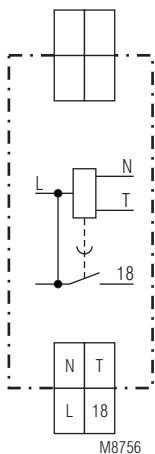
Input

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 $T_{ein} / T_{aus} = 1 s / 1 s$
Short circuit strength max. fuse rating: 16 A gG / gL IEC/EN 60947-5-1
Mechanical life: > 10^6 switching cycles

Circuit Diagram



IK 8810.41

Technische Daten

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

Vibration resistance

Amplitude 0.35 mm

frequenzy 10 ... 55 Hz IEC/EN 60068-2-6

20 / 045 / 04 IEC/EN 60068-1

Climate resistance:

EN 50005

Terminal designation:

Wire connection:

2 x 2.5 mm² solid or

2 x 1.5 mm² stranded wire with sleeve

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

Wire fixing:

Flat terminals with self-lifting

clamping piece IEC/EN 60999-1

Mounting:

DIN rail

IEC/EN 60715

Weight:

75 g

Dimensions

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

Standard Type

IK 8810.41/001 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

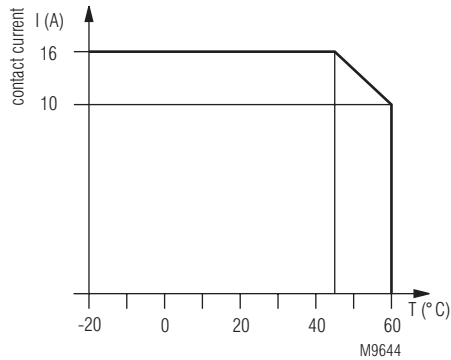
• Width: 17.5 mm

Ordering Example

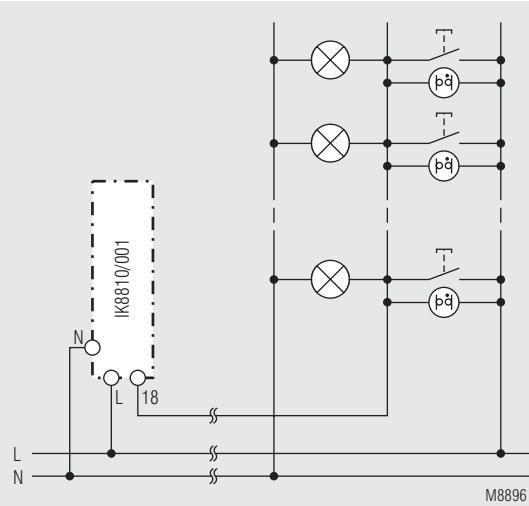
IK 8810 .41 /001 AC 230 V 50 / 60 Hz 0.5 ... 10 min

Time range
Nominal frequency
Nominal voltage
Contacts
Type

Characteristics



Application Example



3-wire circuit N on push button