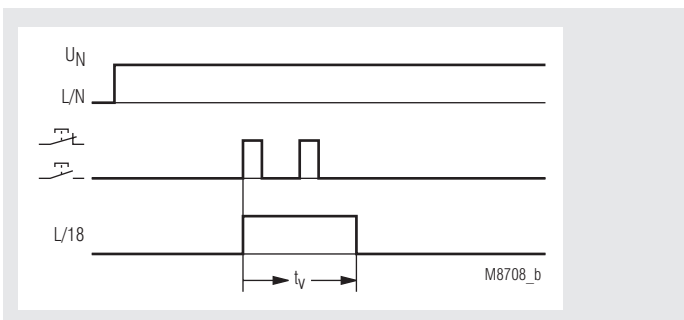


MINITIMER Staircase Lighting Time Switch RK 8810/001



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

Function Diagram



Approval and Marking



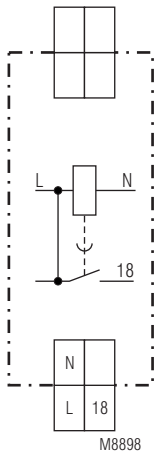
Application

- Staircase lighting time switch
- Timer, release delay

Notes

Unit and push button have to be connected to the same phase (see connection diagram) The output contact is not volt free.

Circuit Diagram



M8898
RK 8810.41/001

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: 0.9 ... 1.1 U_N
Nominal consumption: approx. 5 VA
Nominal frequency: 50 / 60 Hz
Permitted residual current caused by glow lamps in the push buttons: depending on load current
Min. pulse duration: 30 ms

Output

- Contacts:** 1 NO contact, delay not floating
Contact opening gap: > 3 mm
Thermal current I_{th} : 16 A
Switching capacity with lamp load
 Fluorescent lamp load
 Duo switching:
 (series compensated) 2 x 20 lamps with 58 W each
 Glow lamp load: 2000 W
Short circuit current strength: > 700 A
Short circuit strength max. fuse rating: 16 AgL IEC/EN 60 947-5-1
Mechanical life: > 1 x 10⁶ switching cycles

Technical Data

General Data

Nominal operating mode: impulse operation / continuous operation

Temperature range: - 20 ... + 50°C

Clearance and creepage distances

rated impuls voltage /

pollution degree: 4 kV / 2 IEC 60 664-1

EMC

Electrostatic discharge (ESD): 8 kV (air) IEC/EN 61 000-4-2

Fast transients: 2 kV IEC/EN 61 000-4-4

Surge voltages

between

wires for power supply: 1 kV IEC/EN 61 000-4-5

between wire and ground: 2 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 / 050 / 04 IEC/EN 60 068-1

Climate resistance:

Terminal designation:

EN 50 005

Wire connection:

0.5 ... 6 mm² solid or

0.5 ... 4 mm² stranded wire with sleeve

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

Wire fixing:

Box terminal with wire protection

Mounting:

DIN rail IEC/EN 60 715

Weight:

approx. 80 g

Dimensions

Width x Height x Depth: 17.5 x 90 x 66 mm

Standard Type

RK 8810.41/001 AC 230 V 50 / 60 Hz 0.5 ... 10 min

Article number: 0058992

• Output: 1 NO contact, delay

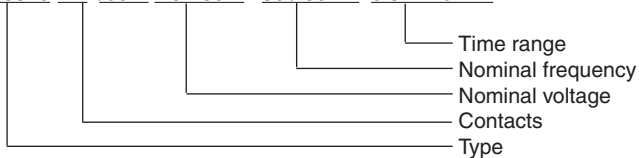
• Nominal voltage U_N : AC 230 V

• Timer range: 0.5 ... 10 min

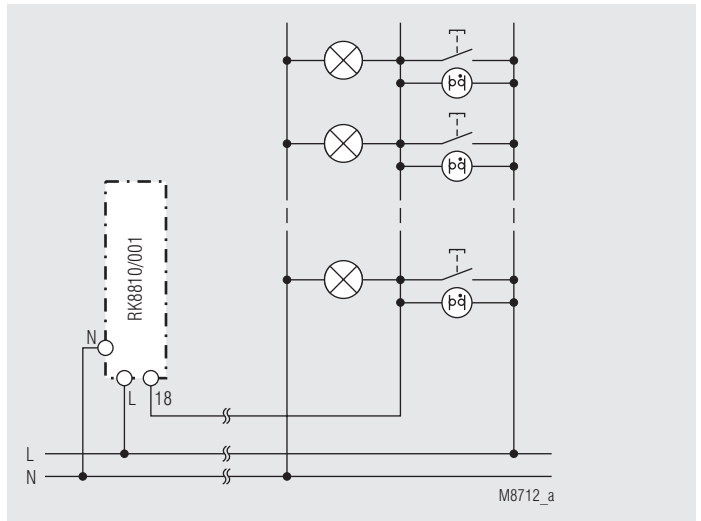
• Width: 17.5 mm

Ordering Example

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



Application Example



3-wire circuit N on push button