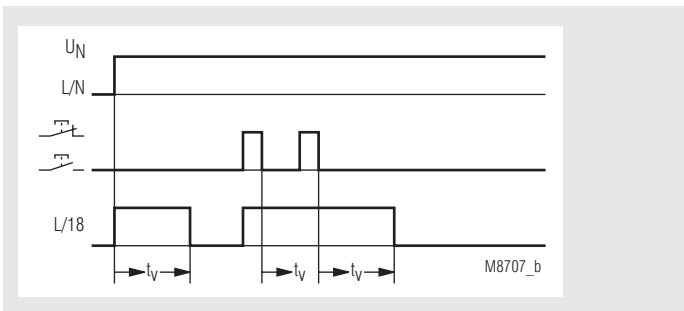


MINITIMER Staircase Lighting Time Switch RK 8810/100



- According to EN 60 669
- 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



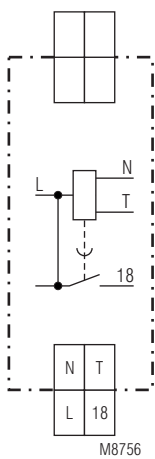
Application

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

Function

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

Circuit Diagram



RK 8810.41/100

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: 0.9 ... 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: max. 50 glow lamps à 1 mA
Min. pulse duration: 30 ms

Technical Data

Output

Contacts:	1 NO contact, delay, not floating	
Contact opening gap:	< 3 mm	
Min. contact load:	10 V / 300 mA	
Thermal current I_{th}:	16 A	
Switching capacity with lamp load		
Fluorescent lamp load		
Duo switching:	20 lamps with 58 W each	
(series compensated)	5 x 10 ⁴ switching cycles	
	1200 W	
Glow lamp load:		
Short circuit strength		
max. fuse rating:	16 AgL	IEC/EN 60 947-5-1
Mechanical life:	> 1 x 10 ⁶ switching cycles	

General Data

Nominal operating mode:	impulse 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	
	frequency 10 ... 55 Hz	IEC/EN 60 068-2-6
Climate resistance:	20 / 050 / 04 IEC/EN 60 068-1	
Terminal designation:	EN 50 005	
Wire connection:	0.5 ... 6 mm ² solid or 0.5 ... 4 mm ² 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

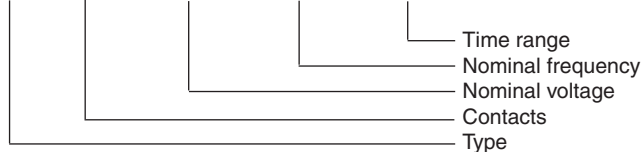
Width x Height x Depth: 17.5 x 90 x 66 mm

Standard Type

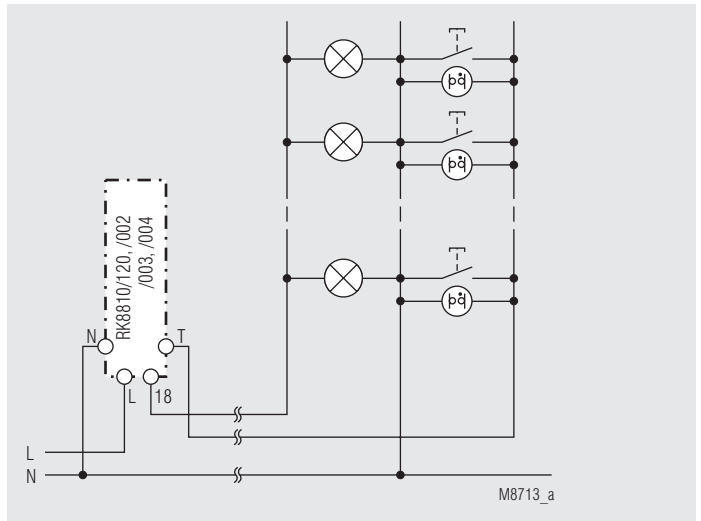
RK 8810.41/100	AC 230 V	50 / 60 Hz	0.5 ... 10 min
Article number:	0058997		
• Output:	1 NO contact, delay		
• Nominal voltage U_N :	AC 230 V		
• Timer range:	0.5 ... 10 min		
• Width:	17.5 mm		

Ordering Example

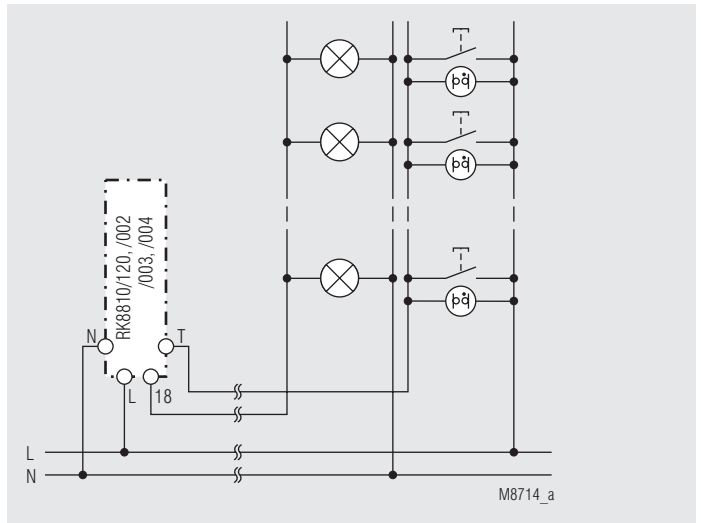
RK 8810 .41 /100 AC 230 V 50 / 60 Hz 0.5 ... 10 min



Application Example



3-wire circuit N on push button



4-wire circuit L on push button