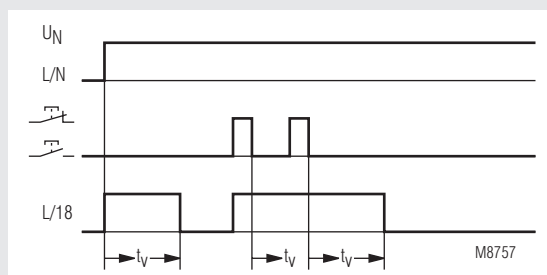


## MINITIMER Staircase Lighting Time Switch IK 8810/004

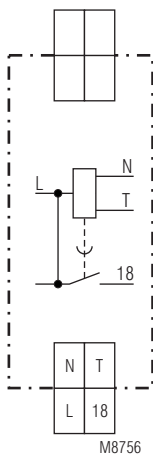


- According to EN 60669
- Setting range: for long times 3 ... 60 min
- For 4-wire circuit L on push button and 3-wire circuit N on push button
- With pre-warning shortly before end of time delay
- Light can be switched off before pre-warning
- Light can be retriggered after pre-warning
- Switch for continuous light on unit
- Contact: 16 A
- Width 17.5 mm

### Function Diagram



### Circuit Diagram



IK 8810.41

### Approval and Marking



### Application

On and Off switching of lights

### Function

Approx. 30 s before end of timing the light flashes shortly to indicate that the light will go off. If the pushbutton is pressed again before prewarning, the light is switched off immediately. If the pushbutton is pressed after prewarning the adjusted time is started again without interruption on the output contact

### 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:** 3 ... 60 min, 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

## Technical Data

### Output

<b>Contacts:</b>	1 NO contact, delay	
<b>Contact opening gap:</b>	< 3 mm	
<b>Thermal current <math>I_{th}</math>:</b>	16 A	
<b>Switching capacity at lamp load</b>		
Glow lamp load:	1200 W at $T_{ein} / T_{aus} = 1 \text{ s} / 1 \text{ s}$	
<b>Short circuit strength max. fuse rating:</b>	16 AgL	IEC/EN 60 947-5-1
<b>Mechanical life:</b>	> $10^6$ switching cycles	

### General Data

<b>Nominal operating mode:</b>	impulse operation	
<b>Temperature range:</b>	- 20 ... + 60°C	
<b>Clearance and creepage distances</b>		
rated impuls voltage / pollution degree:	4 kV / 2	IEC 60 664-1
<b>EMC</b>		
Electrostatic discharge (ESD):	8 kV (air)	IEC/EN 61 000-4-2
HF-irradiation:	10 V / m	IEC/EN 61 000-4-3
Fast transients:	2 kV	IEC/EN 61 000-4-4
Surge voltages between wires for power supply:	2 kV	IEC/EN 61 000-4-5
between wire and ground:	4 kV	IEC/EN 61 000-4-5
Interference suppression:	Limit value class B	EN 55 011
<b>Degree of protection</b>		
Housing:	IP 40	IEC/EN 60 529
Terminals:	IP 20	IEC/EN 60 529
<b>Housing:</b>	Thermoplast with V0-behaviour according to UL subj. 94	
<b>Vibration resistance</b>	Amplitude 0.35 mm frequency 10 ... 55 Hz IEC/EN 60 068-2-6	
<b>Climate resistance:</b>	EN 50 005 IEC/EN 60 068-1	
<b>Terminal designation:</b>	20 / 045 / 04	
<b>Wire connection:</b>	2 x 2.5 mm <sup>2</sup> solid or 2 x 1.5 mm <sup>2</sup> stranded wire with sleeve DIN 46 228-1/-2/-3/-4	
<b>Wire fixing:</b>	Flat terminals with self-lifting clamping piece IEC/EN 60 999-1	
<b>Mounting:</b>	DIN rail IEC/EN 60 715	
<b>Weight:</b>	75 g	

### Dimensions

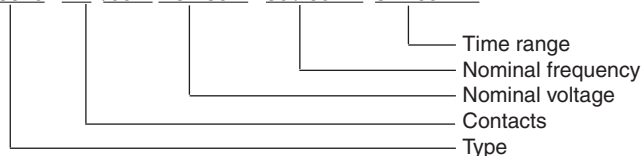
Width x Height x Depth: 17.5 x 89 x 58 mm

### Standard Type

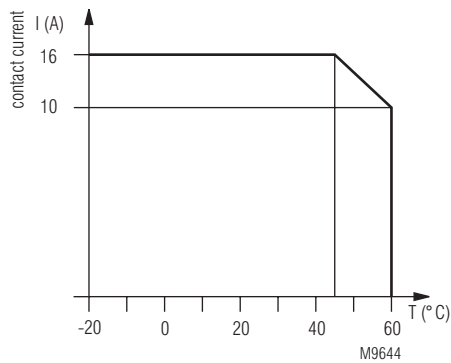
IK 8810.41/004	AC 230 V	50 / 60 Hz	0.5 ... 10 min / 2 ... 40 min
Article number:	0057585		stock item
• Output:	1 NO contact, delay		
• Nominal voltage $U_N$ :	AC 230 V		
• Timer range:	3 ... 60 min		
• Width:	17.5 mm		

### Ordering Example

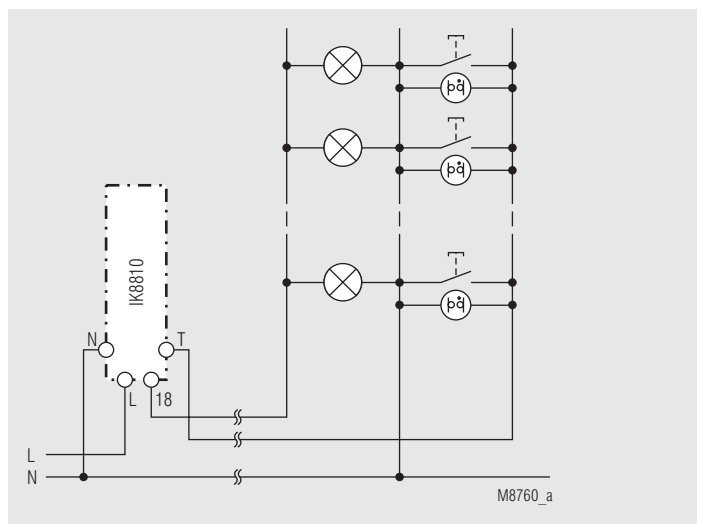
IK 8810 .41 /004 AC 230 V 50 / 60 Hz 3 ... 60 min



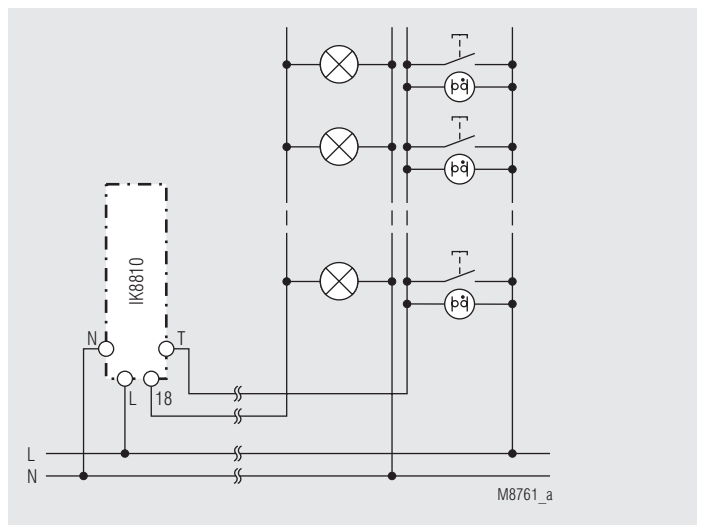
## Characteristics



## Application Example



3-wire circuit N on push button



4-wire circuit L on push button