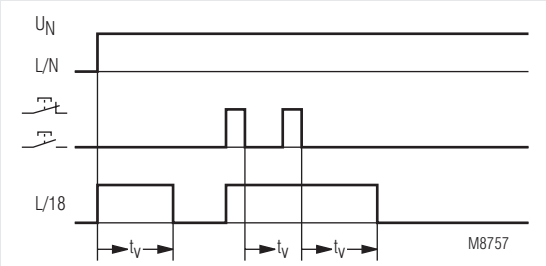
MINITIMER
Staircase Lighting Time Switch
IK 8810/003

DOLD

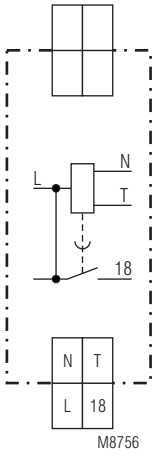


- According to EN 60669
- Setting range: short pressing of button 0.5 ... 10 min
  long pressing of button 2 ... 40 min
- For 4-wire circuit L on push button and
  3-wire circuit N on push button
- Can be retriggered
- with pre-warning shortly before end of time
- Switch for continuous light on unit
- Contact: 16 A
- Width 17.5 mm

Function Diagram



Circuit Diagram



IK 8810.41

Approval and Marking

CE

Application

Time delayed switching off for lights

Function

If the button is pressed longer then 1 s the adjusted time will be multipied by 4, the timing is retriggerable i.e. if the pushbutton is pressed again during timing the adjusted delay time starts again without interruption. Approx. 30 s before end of timing the light flashes shortly to indicate that the light will go off.

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:	at push < 1 s: 0.5 ... 10 min at push > 1 s : 2 ... 40 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 / 1s
Short circuit strength max. fuse rating:	16 AgL IEC/EN 60 947-5-1
Mechanical life:	> 10^6 switching cycles

All technical data in this list relate to the state at the moment of edition. We reserve the right for technical improvements and changes at any time.

Technical Data

General Data

Nominal operating mode:	impulse operation	
Temperature range:	- 20 ... + 60°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
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
Degree of protection		
Housing:	IP 40	IEC/EN 60 529
Terminals:	IP 20	IEC/EN 60 529
Housing:	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
Climate resistance:	20 / 045 / 04	IEC/EN 60 068-1
Terminal designation:	EN 50 005	
Wire connection:	2 x 2.5 mm² solid or 2 x 1.5 mm² stranded wire with sleeve DIN 46 228-1/-2/-3/-4	
Wire fixing:	Flat terminals with self-lifting clamping piece	IEC/EN 60 999-1
Mounting:	DIN rail	IEC/EN 60 715
Weight:	75 g	

Dimensions

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

Standard Type

IK 8810.41/003 AC 230 V 50 / 60 Hz 0.5 ... 10 min / 2 ... 40 min

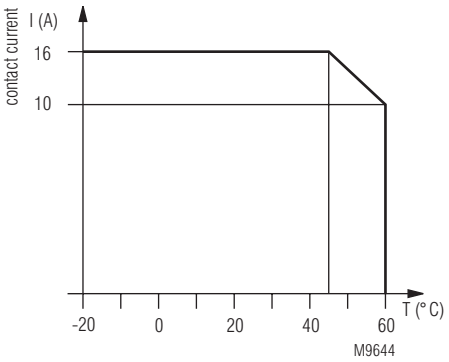
Article number:	0057584	stock item
• Output:	1 NO contact, delay	
• Nominal voltage U_N:	AC 230 V	
• Timer range:	0.5 ... 10 min / 2 ... 40 min	
• Width:	17.5 mm	

Ordering Example

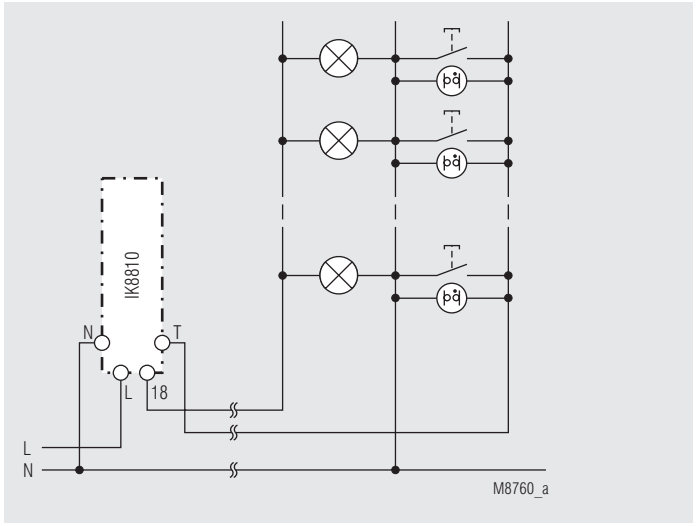
IK 8810 .41 /003 AC 230 V 50 / 60 Hz 0.5 ... 10 min / 2 ... 40 min

- Time range
- Nominal frequency
- Nominal voltage
- Contacts
- Type

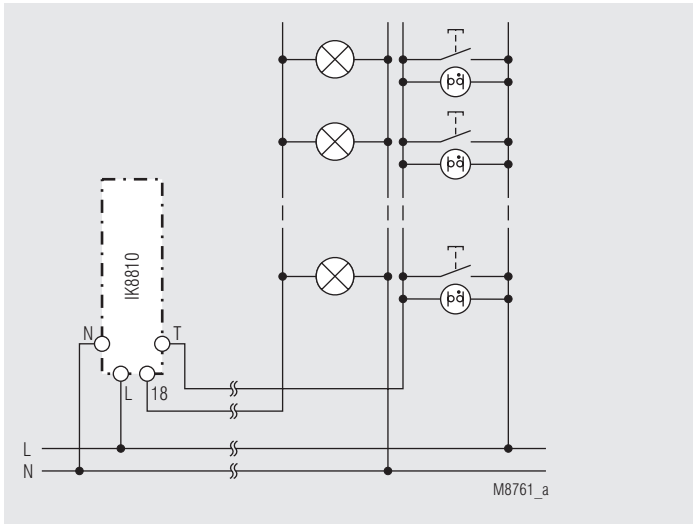
Characteristics



Application Example



3-wire circuit N on push button



4-wire circuit L on push button