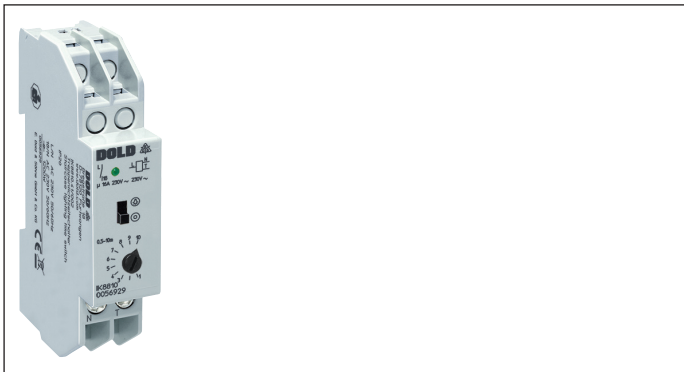


MINITIMER Staircase Lighting Time Switch IK 8810/002

Translation
of the original instructions



02541832



Your Advantages

- Energy saving
- Increase of the service life of the lamps

Features

- According to EN 60669-1, EN 60669-2-1
- 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
- With pre-warning shortly before end of time delay
- Switch for continuous light on unit
- Contact: 16 A
- Width 17.5 mm

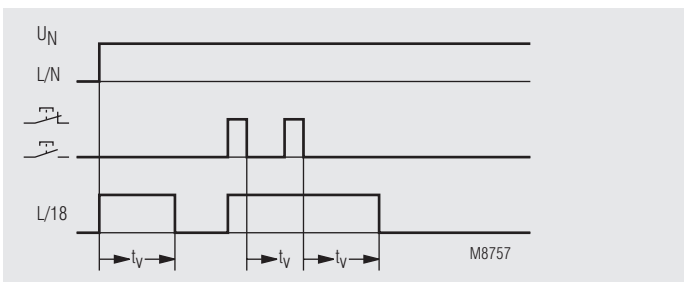
Product Description

The Staircase lighting time switch IK 8810/002 of the MINITIMER series has an adjustable running time and can be switched to continuous lightning by means of a slide switch.

Approvals and Markings



Function Diagram



Application

Staircase lighting time switch with prewarning

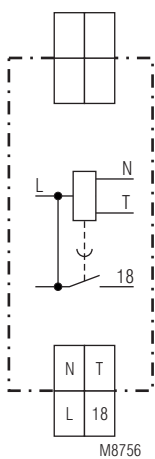
Function

The timing is retriggerable, i.e. if the push button is pressed again during timing the adjusted delay time starts again without interruption. A short time before end of timing the light flashes shortly to indicate that the light will go off.

Indication

LED: On when output relay activated

Circuit Diagram



Notes

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

Connection Terminals

Terminal designation	Signal description
L	Phase voltage
N	Neutral
T	Control input for buttons
18	Output contact

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

General Data

Nominal operating mode:	Impulse operation
Temperature range	
Operation:	- 20 ... + 60 °C
Storage:	- 20 ... + 70 °C
Altitude:	≤ 2000 m
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:	
80 MHz ... 2.7 GHz:	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
HF wire guided:	10 V IEC/EN 61000-4-6
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 frequency 10 ... 55 Hz IEC/EN 60068-2-6 20 / 045 / 04 IEC/EN 60068-1
Climate resistance:	
Terminal designation:	EN 50005
Wire connection:	DIN 46228-1/-2/-3/-4
Cross section:	2 x 2.5 mm ² solid or 2 x 1.5 mm ² stranded wire with sleeve
Insulation of wires or sleeve length:	10 mm
Wire fixing:	Flat terminals with self-lifting clamping piece IEC/EN 60999-1
Fixing torque:	Max. 0.8 Nm
Mounting:	DIN rail IEC/EN 60715
Weight:	75 g

Dimensions

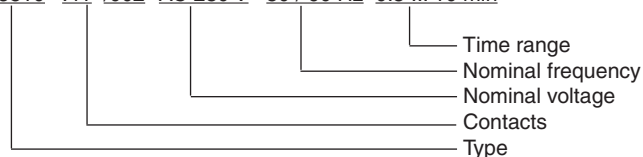
Width x Height x Depth:	17.5 x 90 x 58 mm
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Standard Type

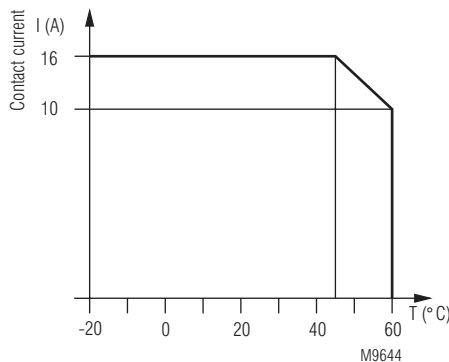
IK 8810.41/002	AC 230 V	50 / 60 Hz	0.5 ... 10 min
Article number:	0056929		
• Output:	1 NO contact, delay		
• Nominal voltage U_N :	AC 230 V		
• Timer range:	0.5 ... 10 min		
• Width:	17.5 mm		

Ordering Example

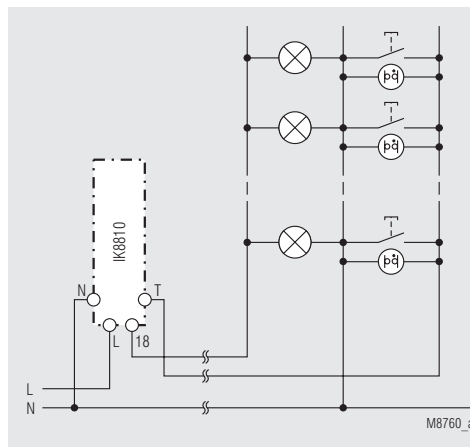
IK 8810 .41 /002 AC 230 V 50 / 60 Hz 0.5 ... 10 min



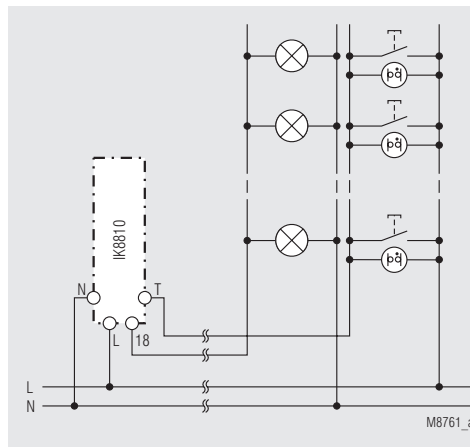
Characteristics



Application Examples



3-wire circuit N on push button



4-wire circuit L on push button