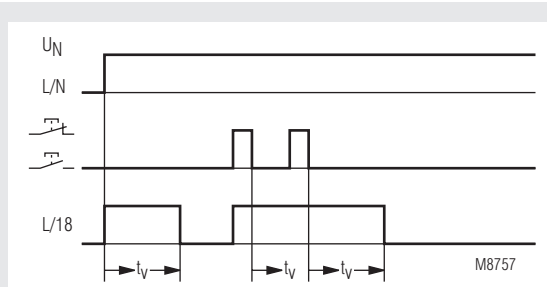


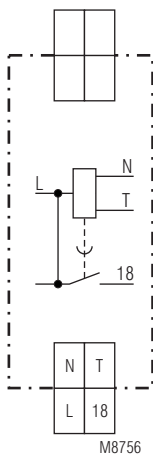


- According to EN 60669
- Setting range: for long times 3 ... 60 min
- For 4-wire circuit L on push button and 3-wire circuit N on push button
- With pre-warning shortly before end of time delay
- Light can be switched off before pre-warning
- Light can be retriggered after pre-warning
- Switch for continuous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

Function Diagram



Circuit Diagram



IK 8810.41

Approvals and Markings



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

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:	- 20 ... + 60°C	
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:	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
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	
Climate resistance:	20 / 045 / 04 IEC/EN 60068-1	
Terminal designation:	EN 50005	
Wire connection:	2 x 2.5 mm ² solid or 2 x 1.5 mm ² stranded wire with sleeve DIN 46228-1/-2/-3/-4	
Wire fixing:	Flat terminals with self-lifting clamping piece IEC/EN 60999-1	
Mounting:	DIN rail IEC/EN 60715	
Weight:	75 g	

Dimensions

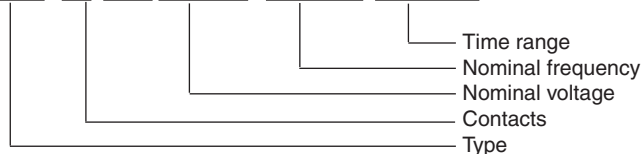
Width x Height x Depth: 17.5 x 89 x 58 mm

Standard Type

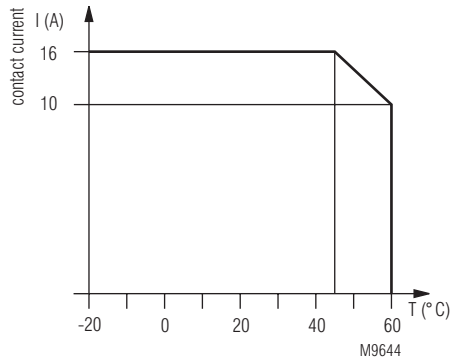
IK 8810.41/004	AC 230 V	50 / 60 Hz	0.5 ... 10 min / 2 ... 40 min
Article number:	0057585		stock item
• Output:	1 NO contact, delay		
• Nominal voltage U_N :	AC 230 V		
• Timer range:	3 ... 60 min		
• Width:	17.5 mm		

Ordering Example

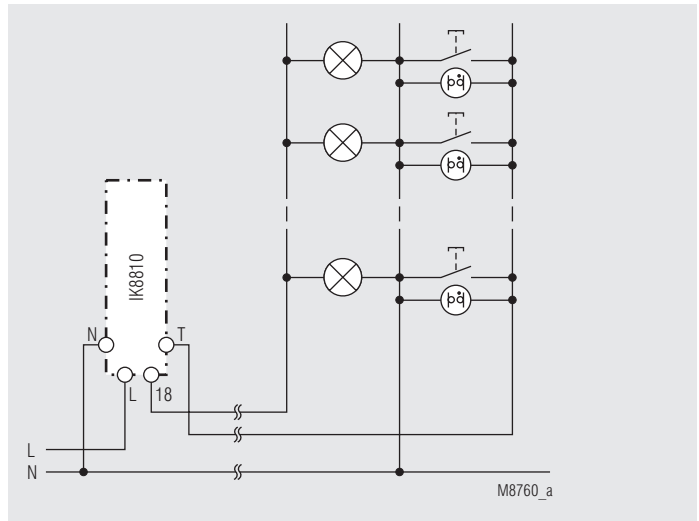
IK 8810 .41 /004 AC 230 V 50 / 60 Hz 3 ... 60 min



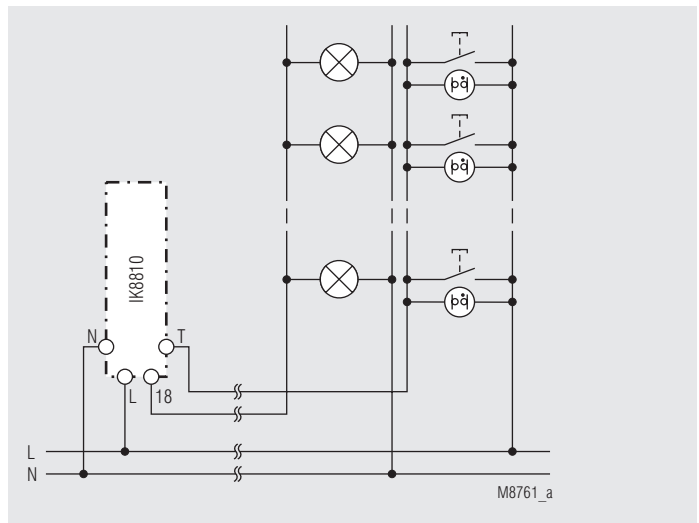
Characteristics



Application Example



3-wire circuit N on push button



4-wire circuit L on push button