

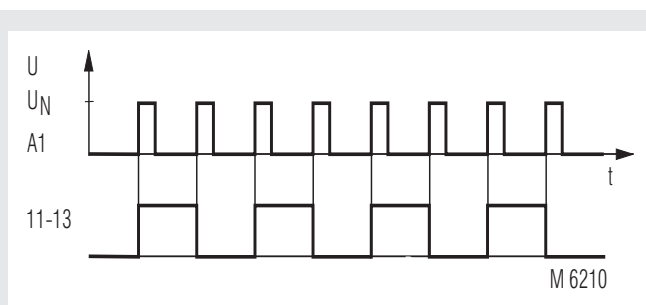
Remote Switch IK 8717

Translation
of the original instructions



- According to IEC/EN 60 669
- 1 NO contact or 1 changeover contact
- Contact current 16 A
- Quiet switching
- Suitable for continuous operation installed in rows
- Glow lamp load 10 mA (AC 230 V)
- IK 8717: width 17.5 mm

Function Diagram



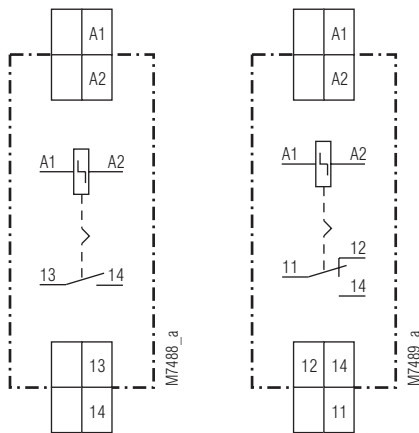
Approvals and Markings



Function

Pulse relay:
Every time an activation pulse is received, the output contact is switched and stays in the operating position it has adopted until the next pulse occurs.

Circuit Diagram



IK 8717.01

IK 8717.11

Technical Data

Input

Nominal voltage U_N : AC 24, 42, 230 V; DC 24 V
Voltage range: 0.9 ... 1.1 U_N
Nominal consumption: About 1.5 VA; DC approx. 1 W
 about 17 VA (230 V-version)
Nominal frequency (AC): 50 / 60 Hz
Frequency range: $\pm 5\%$
Permissible parallel capacity

of the control line at AC 230 V: 100 nF
 (corresponds to a cable length of about 1 000 m)

Min. switching-on time: 40 ms
Minimum pause time: 180 ms
Glow lamps parallel to the pushbutton: 10 mA at AC 230 V

Output

Contacts
 IK 8717.01: 1 NO contact
 IK 8717.11: 1 changeover contact
Nominal output voltage: AC 250 V
Fluorescent lamp load: 20 x 58 W series compensated, duo switching
 10 x 58 W with an electronic ballast unit
Thermal current I_{th} : 16 A
Bulb load: 1500 W
Switching frequency: 4 switching cycles / s
Short circuit strength
max. fuse rating: 16 A gG / gL IEC/EN 60947-5-1
Mechanical life: > 10 x 10⁶ switching cycles (AC 230 V, DC 24 V)
 > 0.1 x 10⁶ switching cycles (AC 24 V, 42 V)

Technical Data

General Data

Operating mode:	Pulse operation (continuous operation allowed)	
Temperature range:	- 20 ... + 45°C	
Clearance and creepage distances		
Rated impulse voltage/ pollution degree:	4 kV / 2	IEC 60664-1
EMC		
Electrostatic discharge:	8 kV (air)	IEC/EN 61000-4-2
HF irradiation:	10 V / m	IEC/EN 61000-4-3
Fast transients:	4 kV	IEC/EN 61000-4-4
Surge voltages between		
wires for power supply:	1 kV	IEC/EN 61000-4-5
between wire and ground:	2 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:	Thermoplastic with V0 behaviour according to UL subject 94	
Vibration resistance:	Amplitude 0.35 mm frequency 10 ... 55 Hz IEC/EN 60068-2-6	
Climate resistance:	20 / 45 / 04 IEC/EN 60068-1	
Terminal designation:	EN 50005	
Wire connection:	1 x 2.5 mm ² solid or 2 x 1.5 mm ² stranded ferruled 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:	60 g	

Dimensions

Width x height x depth:

IK 8717: 17.5 x 89 x 58 mm

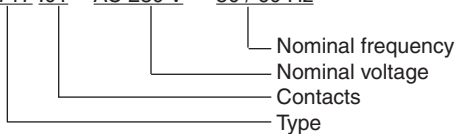
Standard Type

IK 8717.01 AC 230 V

Article number:	0047165
• Output:	1 NO contact
• Nominal voltage U_N :	AC 230 V
• Width:	17.5 mm

Ordering Example

IK 8717 .01 AC 230 V 50 / 60 Hz



Connection example

