

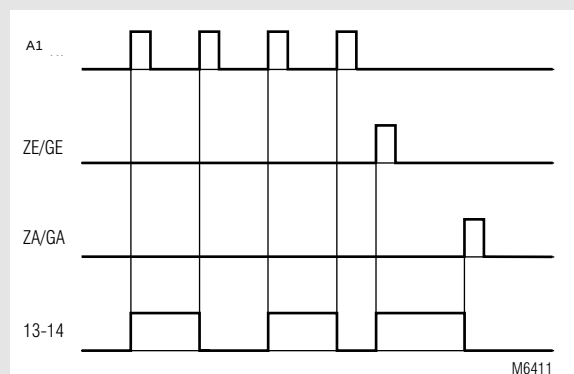
Remote switch IL 8809 for central and group switching operations

0222128



- VDE 0632
- Possible connection to different phases of:
A1, ZE / ZA, GE / GA
- Pushbutton for manual actuation of the contacts
- Operating position display
- Optionally with 1 or 2 NO contacts
- Max. glow lamp load 4 mA
- Width 55 mm

Function diagram



Approvals and marking



Function

The following functions can be carried out with the remote switch IL 8809:

- The individual consumers (loads) are switched via the room pushbutton (A1).
- All consumers can be switched on and off from a central location via ZE / ZA.
- Groups of consumers can be switched on and off via GE / GA.

The following can be connected to different phases:
A1, ZE / ZA, GE / GA (see connection example)

Notes

- It is essential to connect N to the neutral wire
 - The central switch is only designed for pulse operation!
 - Maximum switching-on time in
- | | |
|------------------|------------|
| Fault operation: | 100 % |
| Recovery time: | About 30 s |

Technical data

Input

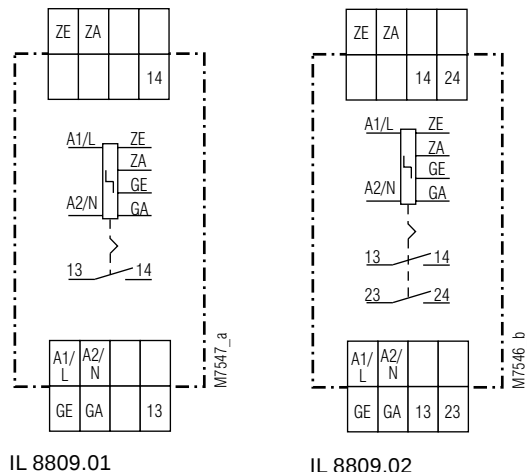
Nominal voltage U_N:	AC 24 V, 230 V Other voltages available on request
Voltage range:	0,9 ... 1,1 U_N
Nominal consumption:	Actual power 11 W
Nominal frequency:	50 or 60 Hz
Frequency range:	$\pm 5 \%$
Glow lamps parallel to the pushbutton:	max. 8 pieces at 0,5 mA
Max. interference voltage at the inputs:	2,5 kV
Min. switching-on time:	50 ms

Output

Contacts

IL 8809.01:	1 NO contact
IL 8809.02:	2 NO contacts
Nominal output voltage:	AC 230 V / 400 V
Fluorescent lamp load:	20 x 58 W, uncompensated 2 x 20 / 58 W, duo switching 5 x 10 ⁴ switching cycles (duo switching)
Bulb load:	1 500 W, 5 x 10 ⁴ switching cycles
Thermal current I_{th}:	16 A
Switching frequency:	1 000 / h
Short circuit strength	
max. fuse rating:	16 AgL EN 60 947-5-1
Mechanical life:	> 5 x 10 ⁵ switching cycles EN 60 947-5-1

Circuit diagrams



Technical data

General data

Operating mode:	Pulse operation
Temperature range:	- 20 ... + 45°C
Clearance and creepage distances	
overvoltage category/contamination level:	4 kV / 2 IEC 60 664-1
Degree of protection:	Housing: IP 30 EN 60 529
	Terminals: IP 20 EN 60 529
Housing:	Thermoplastic with V0 behaviour according to UL subject 94
Vibration resistance:	Amplitude 0,35 mm frequency 10 ... 55 Hz EN 60 068-2-6
Climate resistance:	Humid heat EN 60 068-2-30
Terminal designation:	EN 50 005
Wire connection:	1 x 2,5 mm ² solid or 2 x 1,5 mm ² stranded ferruled DIN 46 228-1/-2/-3 or 2 x 1 mm ² stranded ferruled DIN 46 228-4
Wire fixing:	Flat terminals with self-lifting clamping piece EN 60 999
Mounting:	DIN rail EN 50 022
Weight:	150 g

Dimensions

Width x height x depth: 35 x 89 x 58 mm

Standard type

IL 8809.01 AC 230 V 50 Hz

Article number: 0046621

- Output: 1 NO contact
- Nominal voltage U_N : AC 230 V
- Width: 35 mm

Ordering example

IL 8809 .01 AC 230 V 50 Hz

IL 8809 .01 AC 230 V 50 Hz

Nominal frequency
Nominal voltage
Contacts
Type

Connection example

