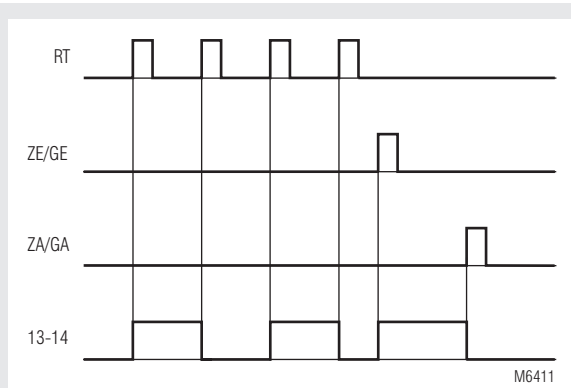


## Remote Switch For Central And Group Switching Operations IL 8809



- According to IEC/EN 60 669
- 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

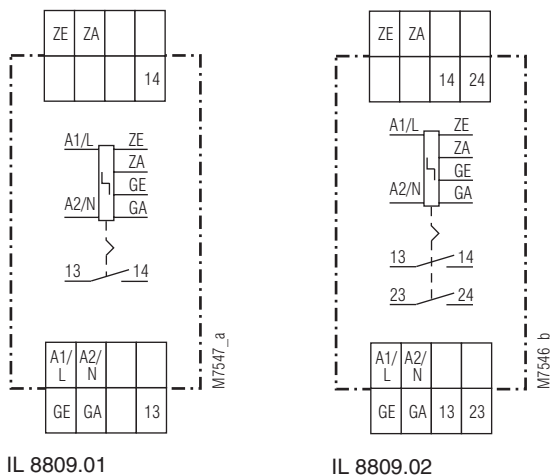


### Function

- 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)

### Circuit Diagrams



### 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

<b>Nominal voltage <math>U_N</math>:</b>	AC 24 V, 230 V Other voltages available on request
<b>Voltage range:</b>	0.9 ... 1.1 $U_N$
<b>Nominal consumption:</b>	Actual power 11 W
<b>Nominal frequency:</b>	50 or 60 Hz
<b>Frequency range:</b>	± 5 %
<b>Glow lamps parallel to the pushbutton:</b>	max. 8 pieces at 0.5 mA
<b>Max. interference voltage at the inputs:</b>	2.5 kV
<b>Min. switching-on time:</b>	50 ms

#### Output

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

## Technical Data

### General Data

<b>Operating mode:</b>	Pulse operation	
<b>Temperature range:</b>	- 20 ... + 45°C	
<b>Clearance and creepage distances</b>		
rated impuls voltage/ pollution degree:	4 kV / 2	IEC 60 664-1
<b>Degree of protection</b>		
Housing:	IP 30	IEC/EN 60 529
Terminals:	IP 20	IEC/EN 60 529
<b>Housing:</b>	Thermoplastic with V0 behaviour according to UL subject 94	
<b>Vibration resistance:</b>	Amplitude 0.35 mm frequency 10 ... 55 Hz IEC/EN 60 068-2-6	
<b>Climate resistance:</b>	Humid heat IEC/EN 60 068-2-30	
<b>Terminal designation:</b>	EN 50 005	
<b>Wire connection:</b>	1 x 2.5 mm <sup>2</sup> solid or 2 x 1.5 mm <sup>2</sup> stranded ferruled DIN 46 228-1/-2/-3/-4 or 2 x 1 mm <sup>2</sup> stranded ferruled DIN 46 228-1/-2/-3/-4	
<b>Wire fixing:</b>	Flat terminals with self-lifting clamping piece IEC/EN 60 999-1	
<b>Mounting:</b>	DIN rail IEC/EN 60 715	
<b>Weight:</b>	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

Nominal frequency  
Nominal voltage  
Contacts  
Type

## Connection example

