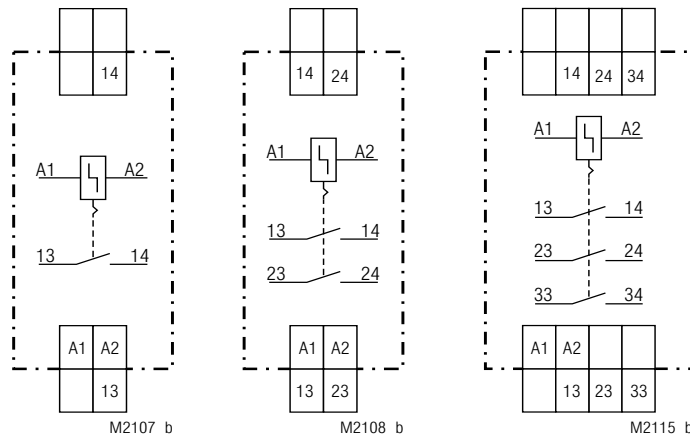




- According to IEC/EN 60 669
- Optionally contacts with up to a maximum of 4 changeover contacts
- Pushbutton for manual actuation of the contacts
- Operating position display
- Width 17,5 mm or 35 mm

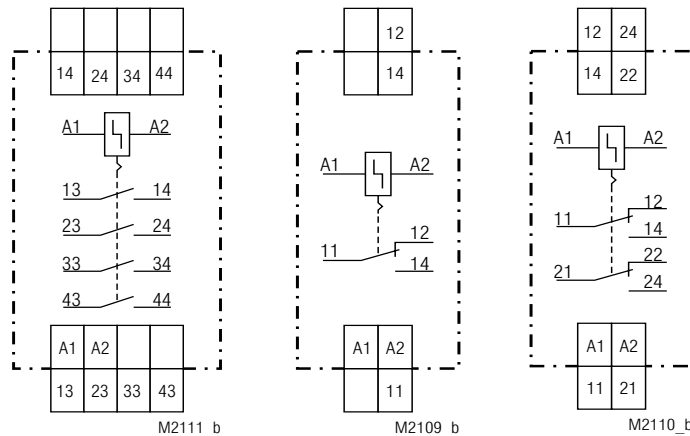
Circuit diagram



IK 8800.01

IK 8800.02

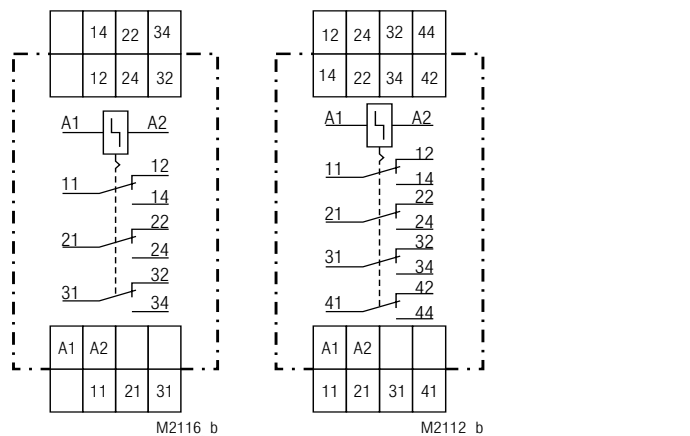
IL 8800.03



IL 8800.04

IK 8800.11

IK 8800.12



IL 8800.13

IL 8800.14

Approvals and marking



Function

The contacts are actuated with every current pulse and they stay in the operating position they have adopted in each case until the next pulse occurs. It is possible to actuate the contacts manually by pressing a pushbutton provided on the unit. The contact position is shown by an indicator.

The units can be installed in rows close next to each other for pulse operation. The gap between the relays is 7 mm when they are on permanently.

Indicators

red indicator:

is visible when output contacts are activated

Technical data

Input

Nominal voltage U_N :

AC 8, 24, 42, 230 V
DC 12, 24 V,
other voltages on request

Voltage range:

Nominal consumption:

apparent power:

actual power:

Nominal frequency:

Frequency range:

Glow lamp parallel to the pushbutton:

max. 8 lamps à 0,5 mA
(corresponds to 4 mA residual current)
> 50 ms

Minimum on time

Output

Contacts

IK 8800.01:

1 NO contact

IK 8800.02:

2 NO contacts

IL 8800.03:

3 NO contacts

IL 8800.04:

4 NO contacts

IK 8800.11:

1 changeover contact

IK 8800.12:

2 changeover contacts

IL 8800.13:

3 changeover contacts

IK 8800.14:

4 changeover contacts

Operate time:

< 30 ms

Nominal output voltage:

AC 230 V / 400 V

Electrical life

with resistive load AC 230 V
and 500 switching cycles / h:

6 A 150×10^4 switching cycles
10 A 75×10^4 switching cycles
16 A 10×10^4 switching cycles

Technical data	
Switching capacity with lamp load:	
fluorescent lamp load: duo circuit (series compensated):	20 lamps with 58 W / contact each 2 x 20 lamps with 58 W / contact each 5 x 10 ⁴ switching cycles
bulb load:	2 000 W 5 x 10 ⁴ switching cycles
Nominal switching-off capacity:	
cos. φ 1 ... 0,7, AC 230 V:	16 A
Thermal current I_m:	16 A
Permissible switching frequency:	1 000 switching cycles / h
Short circuit strength	
max. fuse rating:	16 A gL IEC/EN 60 947-5-1
Mechanical life:	3 x 10 ⁶ switching cycles

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
EMC	
Electrostatic discharge:	6 kV (contact) IEC/EN 61 000-4-2
Fast transients:	4 kV IEC/EN 61 000-4-4
Surge voltages between	
wires for power supply:	2 kV IEC/EN 61 000-4-5
between wire and ground:	4 kV IEC/EN 61 000-4-5
HF wire guided:	10 V IEC/EN 61 000-4-6
Degree of protection:	Housing: IP 30 IEC/EN 60 529
	Terminals: IP 20 IEC/EN 60 529
Housing:	Thermoplastic with V0 behaviour according to UL subject 94
Vibration resistance:	Amplitude 0,35 mm frequency 10 ... 55 Hz IEC/EN 60 068-2-6
Climate resistance:	Humid heat IEC/EN 60 068-2-30
Terminal designation:	EN 50 005
Wire connection:	2 x 2,5 mm ² solid or
	2 x 1,5 mm ² stranded ferruled DIN 46 228-1/-2/-3/-4 or 2 x 1 mm ² stranded ferruled DIN 46 228-1/-2/-3/-4
Wire fixing:	Flat terminals with self-lifting clamping piece IEC/EN 60 999-1
Mounting:	DIN rail IEC/EN 60 715
Weight	
IK 8800:	110 g
IL 8800:	210 g

Dimensions

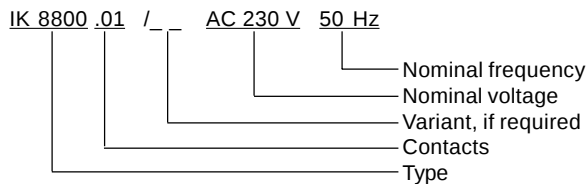
Width x height x depth	
IK 8800:	17,5 x 89 x 58 mm
IL 8800:	35 x 89 x 58 mm

Standard type	
IK 8800.01 AC 230 V 50/60 Hz	
Article number:	0009273 stock item
• Output:	1 NO contact
• Nominal voltage U _N :	AC 230 V
• Width:	17,5 mm

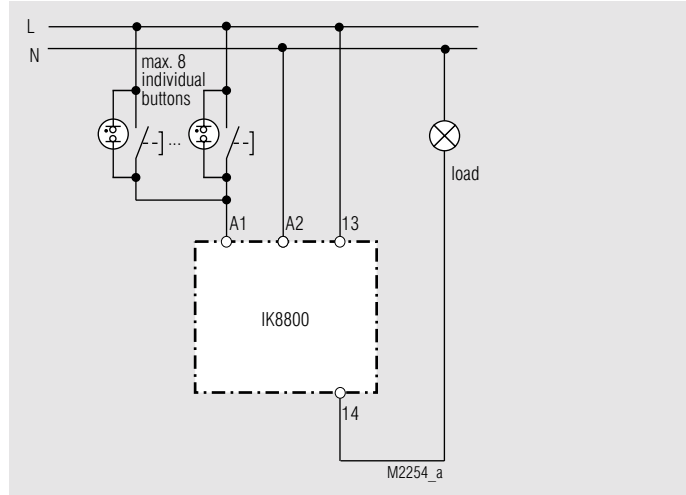
Variant

IK 8800.___/66: GL-approval

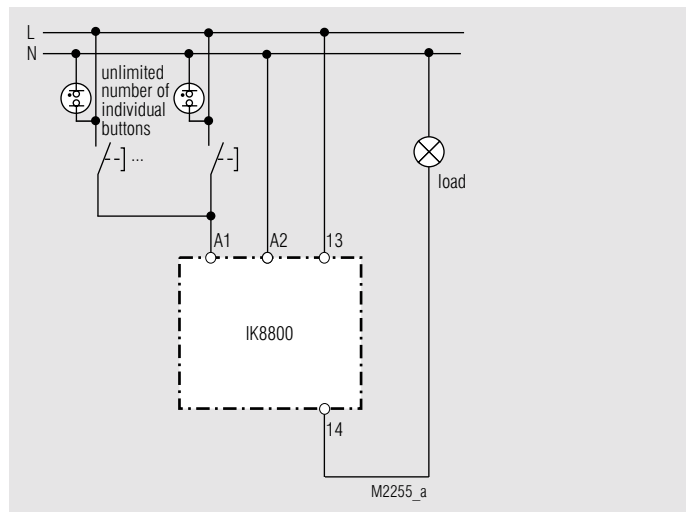
Ordering example for Variant



Connection examples



This circuit can be used with up to 8 illuminated pushbuttons.



With this circuit it is possible to connect as many illuminated pushbuttons as required to a remote switch.

When low voltages are being used, the control circuit has to be disconnected from the mains system by means of a transformer. It is only possible to illuminate the pushbuttons here by providing a third control wire.

Specifiacation for tender for IK 8800

Remote switch according to IEC/EN 60 669 to be built in consumer units, 1 NO contact, pushbutton for manual actuation of the contacts and operating position display.

Width 17,5 mm.

Type IK 8800.01

Manufactured by: E. DOLD & SÖHNE KG

Remote switch according to IEC/EN 60 669 to be built in consumer units, 2 NO contacts, pushbutton for manual actuation of the contacts and operating position display.

Width 17,5 mm.

Type IK 8800.02

Manufactured by: E. DOLD & SÖHNE KG

Remote switch according to IEC/EN 60 669 to be built in consumer units, 4 NO contacts, pushbutton for manual actuation of the contacts and operating position display.

Width 35 mm.

Type IK 8800.04

Manufactured by: E. DOLD & SÖHNE KG

Remote switch according to IEC/EN 60 669 to be built in consumer units, 1 changeover contact, pushbutton for manual actuation of the contacts and operating position display.

Width 17,5 mm.

Type IK 8800.11

Manufactured by: E. DOLD & SÖHNE KG

Remote switch according to IEC/EN 60 669 to be built in consumer units, 2 changeover contacts, pushbutton for manual actuation of the contacts and operating position display.

Width 17,5 mm.

Type IK 8800.12

Manufactured by: E. DOLD & SÖHNE KG

Remote switch according to IEC/EN 60 669 to be built in consumer units, 4 changeover contacts, pushbutton for manual actuation of the contacts and operating position display.

Width 17,5 mm.

Type IK 8800.14

Manufactured by: E. DOLD & SÖHNE KG

