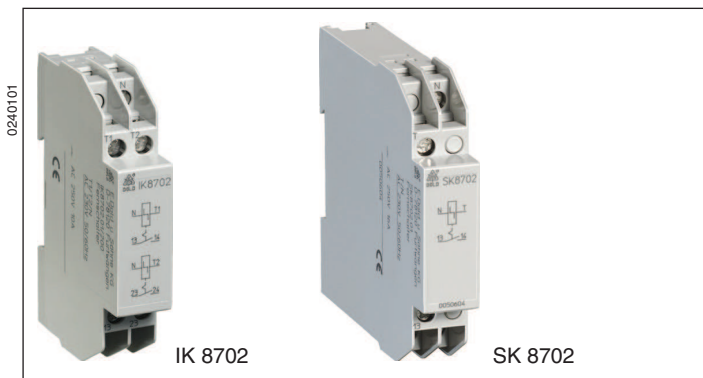
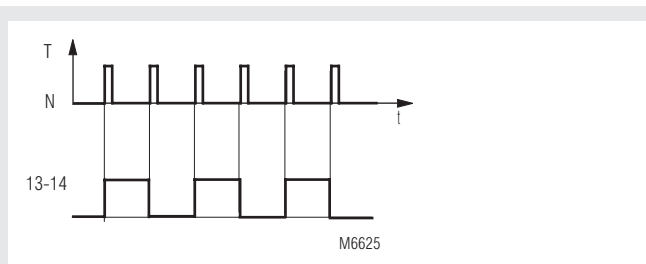


Remote Switch (Impulse Relay) IK 8702, SK 8702



- According to IEC/EN 60 669
- 2 separate systems at 17.5 mm width
- Space saving
- Reduced wiring
- Contacts:
 - IK/SK 8702.01: 16 A
 - IK/SK 8702.01/200: 10 A
- Silent switching
- 10 mA / 5 mA glow lamp load
- **Devices available in 2 enclosure versions:**
 - IK 8702:** 59 mm deep with terminals near to the bottom to be mounted in consumer units or industrial distribution systems according to DIN 43 880
 - SK 8702:** 98 mm deep with terminals near to the top to be mounted in cabinets with mounting plate and cable ducts
- Width: 17.5 mm

Function Diagram



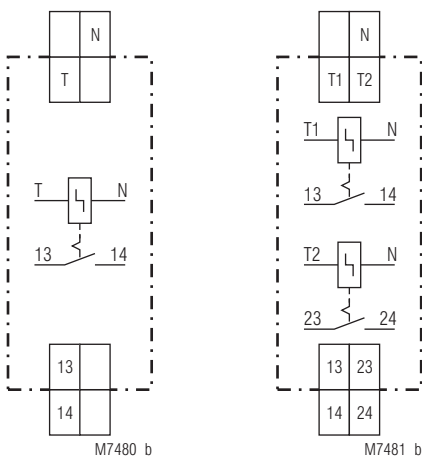
Approvals and Marking



Notes

Parallel control of several systems with one push button is not allowed.

Circuit Diagrams



IK 8702.01
SK 8702.01

IK 8702.01/200
SK 8702.01/200

Technical Data

Input

Nominal voltage U_N:	AC 24, 230 V
Voltage range:	0.9 ... 1.1 U_N
Nominal consumption	
IK/SK 8702.01:	100 W (for max. 0.5 s)
IK/SK 8702.01/200:	20 W (for max. 1 s) per system
Nominal frequency (AC):	50 / 60 Hz
Frequency range:	45 ... 65 Hz
Minimum on time:	≥ 30 ms
Minimum off time:	
IK/SK 8702.01:	≥ 180 ms
IK/SK 8702.01/200:	≥ 5 s
	(at on-time of ≥ 100 ms)

The push button input is designed for pulse operation. If in the case of fault continuous voltage is applied th unit can be operated again after a few minutes of recovering time.

Glow lamps

parallel to push button:	20 glow lamps á 0.5 mA
IK/SK 8702.01/200:	10 glow lamps á 0.5 mA

Output

Contacts:	1 NO contact per system
Nominal output voltage:	AC 250 V
Switching voltage min. / max.:	AC 10 / 400 V
Thermal current I_{th}:	
IK/SK 8702.01:	16 A
IK/SK 8702.01/200:	10 A
Switching capacity AC 230 V at 50×10^3 switching cycles	
Resistive load:	4 000 W
Glow lamp load:	1 500 W
Fluorescent lamp load:	20 x 58 W
	series compensated in Duo-circuit
	10 x 58 W with electronic ballast unit (EVG)

Technical Data

Electrical life:	50 x 10 ³ switching cycles
max. Switching frequency:	1 switching cycles / s
Short circuit strength	
max. fuse rating:	16 A gL IEC/EN 60 947-5-1
Mechanical life:	10 x 10 ⁶ switching cycles

General Data

Opening mode:	Pulse operation
Temperature range:	- 20 ... + 45°C
Clearance and creepage distances	
rated impuls voltage / pollution degree:	4 kV / 2 IEC 60 664-1
EMC	
Electrostatic discharge:	8 kV (air) IEC/EN 61 000-4-2
HF-irradiation:	10 V / m IEC/EN 61 000-4-3
Fast transients:	4 kV IEC/EN 61 000-4-4
Surge voltages between wires for power supply:	1 kV IEC/EN 61 000-4-5
between wire and ground:	2 kV IEC/EN 61 000-4-5
HF-wire guided:	10 V IEC/EN 61 000-4-6
Interference suppression:	Limit value class B EN 55 011
Degree of protection:	Housing: IP 40 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:	20 / 045 / 04 IEC/EN 60 068-1
Terminal designation:	EN 50 005
Wire connection:	1 x 2.5 mm ² solid or 2 x 1.5 mm ² stranded wire with sleeve DIN 46 228-1/-2/-3/-4
Wire fixing:	Flat terminals with self-lifting clamping piece IEC/EN 60 999-1

Technical Data

Mounting:	DIN rail	IEC/EN 60 715
Weight:		
IK 8702.01:	65 g	
SK 8702.01:	84 g	
IK 8702.01/200:	80 g	
SK 8702.01/200:	99 g	

Dimensions

Width x height x depth	
IK 8702:	17.5 x 89 x 59 mm
SK 8702:	17.5 x 89 x 98 mm

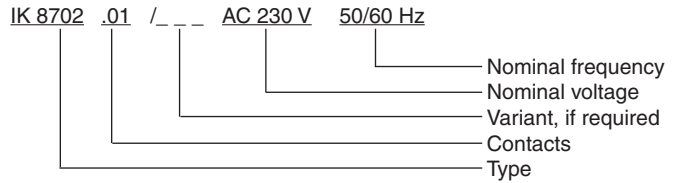
Standard Type

IK 8702.01	AC 230 V	50/60 Hz
Article number:	0049207	
SK 8702.01	AC 230 V	50/60 Hz
Article number:	0050604	
• Output:	1 NO contact	
• Nominal voltage U _N :	AC 230 V	
• Width:	17.5 mm	

Variants

IK/SK 8702.01:	1 system (17.5 mm width)
IK/SK 8702.01/200:	2 systems

Ordering Example for variants



Connection example

