B.E.G. LUXOMAT® KNX SA-8C-230 V-CL

GB

Installation and Operating Instruction for **B.E.G.** KNX SA-8C-230 V-CL

1. Important safety notes

Danger High Voltage

⚠ Installation and commissioning of the device only to be carried out by authorised electricians/engineers. The relevant directives, regulations and instructions must be observed.

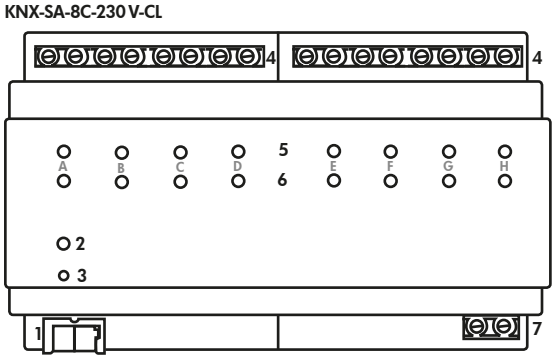
⚠ After Installation and connecting mains power supply the outputs are alive. The outputs can be switched OFF using the push buttons on the top of the device.

⚠ After installation a KNX bus telegram can switch the outputs alive.

⚠ Disconnect the mains power supply prior to installation or disassembly.

2. Terminals, Operating and Display Switch Actuator KNX-SA-8C-230 V-CL

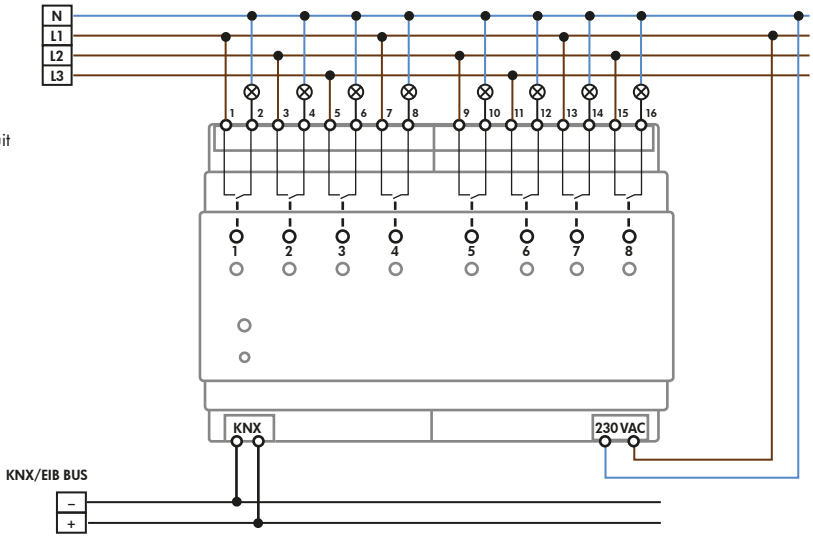
1 - KNX bus terminal
2 - Programming key
3 - Red programming LED
4 - Output power terminal
5 - Green ON/OFF LED
6 - Buttons for manual actuation
7 - Mains power supply terminal



3. Installation Switch Actuator KNX-SA-8C-230 V-CL

1. Place the Switch Actuator.
2. Connect the Switch Actuator to the KNX bus.
3. Wire up the Switch Actuator as described in the circuit diagram. The switching contacts must be fused with a circuit breaker.
4. Switch on KNX power supply.
5. Switch on mains power supply.

Typical circuit diagram KNX-SA-8C-230 V-CL



4. Technical Data

Configuration	**KNX-SA-8C-230 V-CL**
Version	Standard
Number of outputs	8
Power Supply	
Mains voltage	230 VAC / 50 Hz
Output voltage	230 VAC
Power Consumption	0.5 W
Output switching current	
Resistive loads	16 A, cosφ=1
Capacitive loads	max. 100 µF
Maximum lamp loads	
Incandescent lamps	2700 W
Halogen lamp 230 V	2500 W
Halogen lamp, electronic transformer	1000 W
Halogen lamp not compensated	1800 W
Halogen lamp parallel compensated	1000 W
Permitted wire gauge	
Screw terminal	2.5 mm²
KNX bus terminal	0.8 mm
Ambient temperature	0 to +45°C
Enclosure	IP20
Dimensions REG	8TE
Dimensions FM/SM (W x H x D)	144 x 60 x 86 mm

5. Description KNX-SA-8C-230 V-CL

The Switch Actuators receive KNX/EIB telegrams and switch up to 8 independent electrical loads. Each output uses a bistable relay and can be operated manually via a push button. A green LED indicates the switching status of each channel. The outputs are configured individually via ETS3/4. The device provides extensive functions like logical operation, status response, block functions, central function, delay functions and staircase lighting function. Additionally the device provides several time and scene control. If the mains voltage fails, all outputs hold their current position. After bus voltage failure or recovery the relay position depends upon the parameters set. The Switch Actuator is a din rail installation device for fixed installation in dry rooms. It fits on DIN 35 mm rails in power distribution boards or closed compact boxes.

6. Commissioning KNX-SA-8C-230 V-CL

Note: Before commisioning please download application software at www.beg-luxomat.com.

1. Assign the physical address and set parameters with the ETS3/ETS4.
2. Upload the pysical address and parameters onto the Switch Actuator.
   Press the programming button on request.
3. The red LED would go off upon the completion of the programming process.

7. Manually operating KNX-SA-8C-230 V-CL

Each output can be operated manually via its particular push button. A green LED indicates the switching status of each channel.

8. Device types

At present, the following device types are available from the KNX Switch Actuators product group:

KNX SA-8C-230 V	Part number: 90200
KNX SA-16C-230 V	Part number: 90201
KNX SA-8C-230 V-CL	Part number: 90209
KNX SA-8C-230 V-EM	Part number: 90210

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