

## Installation and Operating Instruction for B.E.G. KNX SBA-4C-230V and KNX SBA-8C-230V

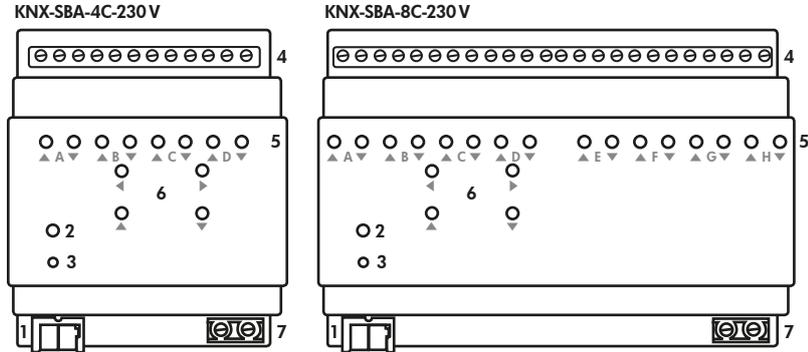
### 1. Important safety notes

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.

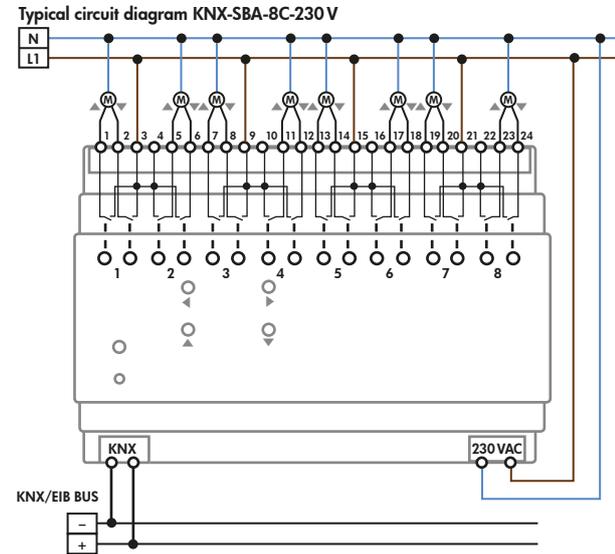
### 2. Terminals, Operating and Display Shutter actuator KNX-SBA-4C/8C-230V

- 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 Shutter Actuator KNX-SBA-4C/8C-230V

1. Place the Shutter Actuator on DIN 35 mm rail.
2. Connect the Shutter Actuator to the KNX bus.
3. Wire up the Shutter 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.



### 4. Technical Data

Configuration	KNX-SBA-4C-230V	KNX-SBA-8C-230V
Number of outputs	4	8
<b>Power Supply</b>		
Mains voltage	230 VAC / 50 Hz	230 VAC / 50 Hz
Output voltage	230 VAC / 24 VDC	230 VAC / 24 VDC
<b>Power Consumption</b>	< 0.5 W	< 0.5 W
<b>Output switching current</b>		
Resistive loads	10 A, cosφ=1	10 A, cosφ=1
Capacitive loads	-	-
<b>Shutter motor**</b>	600 W	600 W
<b>Permitted wire gauge</b>		
Screw terminal	2.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>
KNX bus terminal	0.8 mm	0.8 mm
<b>Ambient temperature</b>	0 to +45°C	0 to +45°C
<b>Enclosure</b>	IP20	IP20
<b>Dimensions REG</b>	4TE	8TE
<b>Dimensions FM/SM (W x H x D)</b>	72 x 60 x 86 mm	144 x 60 x 86 mm

\*\* no three-phase asynchronous motor

**Note:** Shutter Actuator KNX-SBA uses one power supply terminal for 2 shutters.

### 5. Description KNX-SBA-4C/8C-230V

The Shutter Actuators receive KNX/EIB telegrams and control up to 8 independent shutter or sunblind drives. Each output uses a monostable relay and can be operated manually via a push button. A green LED indicates the switching status of each channel. The outputs are parameterised individually via ETS3/ETS4.

The device provides extensive functions like status response, block functions, central function and positioning shutters, blinds and other hangings. Additionally the device provides up to 8 scenes per channel. If the mains voltage fails, all outputs are switched off. After bus voltage failure or recovery the position of the shutter is selected in dependence on the parameterisation. The Shutter Actuator is available as modular installation device for fixed installation in dry rooms.

### 6. Commissioning KNX-SBA-4C/8C-230V

**Note:** Before commissioning please download application software at [www.beg-luxomat.com](http://www.beg-luxomat.com).

1. Assign the physical address and set parameters with the ETS3/ETS4.
2. Upload the physical address and parameters onto the Shutter 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-SBA-4C/8C-230V

1. Select the desired channel with the < > buttons.
2. Use the ^ v buttons to switch the output.

### 8. Device types

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

KNX SBA-4C-230V	Part number: 90190
KNX SBA-8C-230V	Part number: 90192
KNX SBA-4C-24V	Part number: 90191