



SMG 2 KNX

Basic control unit device, 2 channels

New



SME 2 KNX

Upgrade control unit device, 2 channels

New

■ SMG 2 KNX (Basic control unit device)

- 2 channel control unit

■ SMG 2 KNX (Upgrade control unit device)

- 2 channel upgrade module (for upgrading to max.12 heating channels)

■ Description

The SMG 2 control device is a DIN rail mounted device. In combination with electronic upstream devices (EVGs) it enables the switching and dimming of lighting circuits. The SMG 2 is a 2 channel device and can be upgraded to 6 channels using upgrade modules. They have one switch output (relay contact) per channel for switching the electronic series devices and the corresponding 1–10 V control inputs.

■ Characteristics

- 2 channels per basic and upgrade module.
- 2 switch outputs (relay contacts) for 230 V (resistive load) and one 1–10 V output per channel.
- Zero-crossing switch without relays.
- Central objects with and without priority
- Diagnosis and feedback objects
- Response to bus failure can be configured
- Response to power restoration can be configured
- Manual switch for ON, OFF, Bus, switching without bus voltage
- Dimmer upgrades can also be combined with basic switch module as required.

■ Advantages

- The free combination of switching, dimming, control of blinds and heating, as well as binary inputs, all increase flexibility and reduce system costs.
- Via upgrade to 6-way dimming
- With manual operation and, thereby, easy installation

Technical data:

Mains power supply

Voltage: 230 V AC, ± 10 %, 50 Hz

Power take up: < 1.5 VA

Power supply from the bus (basic module only)

Power supply: < 10 mA (incl. 2 upgrades)

Bus connection: KNX bus terminal

Input

Signal voltage: 1–10 V

Signal current: max. 100 mA per channel

Signal duration: continuous

Length of input cable: max. 500 m at 0.5 mm

Output

Type of contact: NO contact, floating relay contacts

Nominal voltage: 230 V AC, ± 10 %, 50 Hz

Maximum current: 16 A/AC-1; 10 A/AC-3

Max. switch-on peak: 400 A (150 µs), 200 A (600 µs)

Switching capacity:

2500 W resistive load

1100 W (140 µF) capacitive load

type-dependent fluorescent lamps with EVG

(due to variable switch-on peaks)

Contact: AgSnO, NO contact, floating

Maximum load: 3 A, cos φ = 1

Permitted operating temperature: –5 °C ... +45 °C

Protection class: II subject to correct installation

Protection rating: IP 20 in accordance with EN 60529

Housing: 45 x 72 x 60 mm (4 modules)

Terminal cross-sections:

Connection:

Terminal screws: 0.5–4 mm² single strand and fine strand without wire end sleeve
0.5–2.5 mm² fine strand with wire end sleeve

Product database and manual see www.theben.de

Type	Order No.
SMG 2 KNX	491 0 223
SME 2 KNX	491 0 224

MX series

can be combined with devices on pages 136–141

Heating actuator combination options (examples)

SMG ◀ SME ◀ SME	SMG ◀ RME ◀ DME	HMG ◀ HME ◀ SME
SMG ◀ SME ◀ RME	SMG ◀ C-Last ◀ DME	JMG ◀ SME ◀ RME
SMG ◀ RME ◀ RME	SMG ◀ HME ◀ BME	JMG ◀ SME ◀ BME
SMG ◀ C-Last ◀ C-Last	BMG ◀ SME ◀ SME	JMG ◀ JME ◀ SME