



Eltako

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Shading actuator IP, Matter certified

ESB64NP-IPM



{REST:API}



Only skilled electricians may install this electrical equipment otherwise there is the risk of fire or electric shock!

Temperature at mounting location: -20°C up to +50°C. Storage temperature: -25°C up to +70°C. Relative humidity: annual average value < 75%.

ELTAKO Connect-App download:



https://eltako.com/redirect/eltako-connect

Shading actuator IP, Matter via Wi-Fi, optionally EnOcean, 1+1 NO contact 10A/250V AC, not potential free, REST-API. Only 0.6 watt standby loss.

For installation. 46x45 mm, 20 mm deep.

The connection terminals are screw terminals for conductor cross-sections up to 2.5mm².

The supply, switching and control voltage is 12V DC or 110-240V AC.

State-of-the-art hybrid technology combines advantages of nonwearing electronic control with high capacity of special relays.

With control inputs for a control pushbutton that may be mounted in front of it. Glow lamp current is not permitted. This actuator is Matter certified and can therefore be paired with different ecosystems and operated in parallel. The current setting options can be viewed via the demo mode of the ELTAKO Connect-App. For the slot control via Matter to be available, it must be activated in the ELTAKO Connect app.

The functionality of the pushbutton inputs can be configured via the ELTAKO Connect-App:

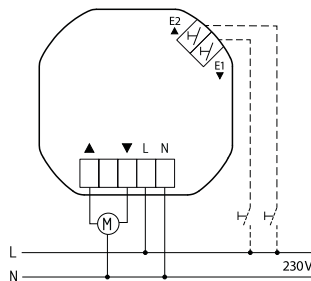
- Group switch (GS, factory default): A short press of the button starts the motor. Another short press or the end position stops the motor.
- Group switch (GS4): A short press of the button initially has a static effect, allowing slats, for example, to be tilted. Only a long press of the button for > 1 second moves the blind to the end position.
- Group relay (GR): The motor turns as long as a button is pressed or the end position is reached. Releasing the button stops the motor.

Two pushbuttons or a direction pushbutton can be connected to the inputs to drive the motor in a specific direction.

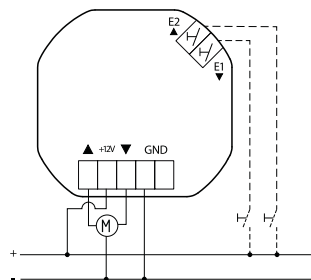
Alternatively, a universal button can be used to bridge both inputs. In this case, the direction of travel is reversed with each press.

The range of functions can be expanded using adapters, e.g., the E0A64 (EnOcean adapter). Further information can be found on the product page of the respective adapter.

Typical connection 230 V AC



Typical connection 12 V DC



To control a 24V DC motor with reversal of rotation direction by pole reversal, a DCM12-UC (art. no.: 22400602) is required.

General information on commissioning:

- Only 2.4 GHz Wi-Fi frequency bands are supported.
■ Recommended: Commissioning close to the main router.

First setup with Apple Home:

- 1. Apply mains voltage and wait for the signal tone.
2. Wait 15 seconds until the device has started.
3. Open the Apple Home app.
4. In the upper right corner press the '+' symbol and select 'Add device'.
5. Scan the Matter QR code. Can be found on the back of the device or on the QR code card in the packaging.
6. The Apple Home app will guide you through the remaining steps.

First set up with Google Home:

- 1. Apply mains voltage and wait for the signal tone.
2. Wait 15 seconds until the device has started.
3. Download and open the Google Home app.
4. Click on 'Devices' at the bottom of the

- screen.
5. Press '+ Add' in the bottom right corner.
6. Now click on 'New device'.
7. The Apple Home app will guide you through the remaining steps.

First setup with Amazon Alexa:

- 1. Apply mains voltage and wait for the signal tone.
2. Wait 15 seconds until the device has started.
3. Download and open the Amazon Alexa app.
4. Click on 'Devices' at the bottom of the screen.
5. In the bottom right corner press the '+' symbol and select 'Add Device'.
6. Click on your automatically recognised ELTAKO device.
7. The Amazon Alexa app will guide you through the remaining steps.

Direct connection without Matter and without Wi-Fi infrastructure - configuration with the ELTAKO Connect-App

The device can also be set up and configured without Matter and without an existing Wi-Fi network (router/access point).

This establishes a direct Wi-Fi connection (access point) between your smartphone and the device.

- 1. Connect the power supply and wait for the beep.
2. Wait approximately 15 seconds until the device has fully started up.
3. Open the Wi-Fi settings on your smartphone and manually connect to the device's Wi-Fi network (access point).
4. Launch the ELTAKO Connect-App and scan the ELTAKO QR code.
5. You can then configure the device.

Runtime mode:

For optimal operation via Matter, the total runtime of the shading element must be saved in the shading actuator.

Manual setting of the end positions (delivery state):

The preset runtime is 200 seconds and can be set via the ELTAKO Connect-App.

Automatic setting of the end positions:

The shading actuator automatically determines the runtime for each movement from the lower to the upper end position. After commissioning, a movement from bottom

to top must be performed without interruption. Switching to 'automatic setting of the end positions' must be activated via the ELTAKO Connect-App.

Important!

If an update is available and the device is idle, the update will be installed immediately, followed by a device restart.

Factory reset:

To confirm the reset, a signal tone sounds 3 times short and 3 times long:

Option 1:

Using the ELTAKO Connect-App.

Option 2:

Connected switch/pushbutton.

1. Apply the supply voltage (time window of 5 minutes begins) press **8 times short (<1 sec.) and 1 time long (>1.5 sec. and <5 sec.)**.

2. A signal tone sounds for each of the last two short presses.

3. The reset is confirmed after 15 seconds. Outside of the time window, the device is simply restarted!

Option 3:

Disconnect the mains voltage.

1. Disconnect the device from the mains voltage.

2. Apply the mains voltage, wait for the signal tone and disconnect the voltage within 5 seconds.

3. Repeat the process 5 times.

4. When **switched on for the 6th time**, the successful reset is confirmed by **3 short and 3 long signal tones**.

Over-the-Air (OTA) Firmware-Updates:

- If the device is connected to the Internet, updates are automatically requested and installed every 12 hours, provided that no active loads are switched on.
- Data transfer between the ELTAKO update server and the device meets the highest security standards.
- Before installation, the firmware is checked for correctness and integrity.
- **ATTENTION:** Automatic updates are carried out as long as no important processes are active and no load is switched on. The device is then restarted.
- If an update fails or leads to device instability, the system automatically switches back to the previous firmware version and waits for a new update.

Offline firmware updates:

The device also supports **offline firmware updates** via the **REST API**.

More information available on the product website.

Technical data

Rated switching capacity	10 A/250 V AC 10 A/12 V DC
Inductive load (AC) cos phi = 0.6/230 V	1500 W
Max. parallel capacity (approx. length) of the local control line:	30 nF (100 m)
Standby loss (active power) with EOA64 (EnOcean adapter)	0.6 W 0.7 W

Manuals and documents in further languages:



<https://eltako.com/redirect/ESB64NP-IPM>



enocean®

THE UNIQUE WIRELESS **PROFESSIONAL**
SMART HOME STANDARD

Frequency 868.3 MHz

Transmit power max. 10 mW

Hereby, ELTAKO GmbH declares that the radio equipment type ESB64NPN-IPM is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity can be accessed via the QR code or the internet address under 'Documents'.

Must be kept for later use!

ELTAKO GmbH

D-70736 Fellbach

Technical Support English:

+49 711 943 500 25

technical-support@eltako.de

eltako.com

07/2026 Subject to change without notice.