

Roller shutter motor

## ADJUSTMENT INSTRUCTIONS ROLLER SHUTTER MOTOR (SOMFY Ilmo2 50 WT)

### Hand over instructions to electrician!

The Ilmo2 50 WT drive from Somfy is installed in the supplied element. The Ilmo2 50 WT is a self-learning electronic motor. No end position programming is necessary. The end positions are set automatically by torque cut-off.

#### Important!

**Read the instructions carefully before assembly.**

The manufacturer accepts no liability for faults resulting from improper storage, assembly, handling or failure to observe these instructions and these guidelines.

Assembly may only be carried out by qualified personnel.

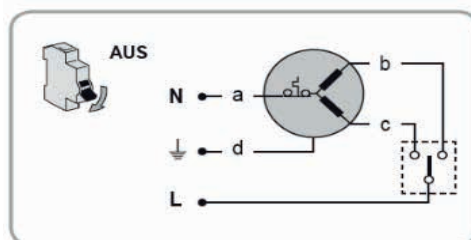
#### Electrical connection

! Disconnect the power supply !



230 V 50 Hz Kabel

- a Blau Neutraleiter (N)
- b Braun Phase Drehrichtung 1
- c Schwarz Phase Drehrichtung 2
- d Gelb-Grün Schutzleiter



! Depending on the load capacity of the control unit and the drive variant used, several drives can be connected in parallel to one switching point.

Example for a 3A control:

| Drehmoment Nm | max. Anzahl |
|---------------|-------------|
| 6             | 5           |
| 10            | 4           |
| 20            | 2           |

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### **! Important notes !**

The drive may only be connected by an authorised person (licensed electrician).

- a) It is essential to carry out a test run after assembly (use original test cables!)
- b) Make sure that there are no persons in the danger zone during the test run (visual contact with the system)
- c) Always carry out a test run with one engine only
- d) Carry out at least two complete test runs in UP and DOWN directions
- e) Each motor has an overheating protection which switches off the drive after a longer test drive for approx. 6min. After a cooling phase of approx. 15min, the motor is ready for operation again.

### **Lower end of the guide rails**

A lower guide rail end is installed as standard. Only remove this if the roller shutter can move onto another fixed lower point (e.g. window sill or similar).

The end rod may extend max. 20 mm from the bottom of the guide rail!

### **Information for electricians**

Be sure to run empty conduits up to the cable outlet of the product. **It is essential to seal empty pipework on the room side.** When carrying out inspection work on the motor (lightning strike), it must be possible to pull out the cable when removing the motor. When using control units in the control cabinet, an accessible terminal box must be placed near the element.

Never connect the motor while it is live! The motor cable must be checked for damage before installation. Cross-section of the mains cable 1.5mm<sup>2</sup>.


If the motor cable is shortened, it is essential to fit wire end sleeves at the terminal point.

Only use mechanically counter-locked switches or push-buttons or electronically locked control devices such as blind push-buttons.

Switches, push-buttons and automatic control units must have a delay lock of at least 0.5 sec. A minimum switching pulse duration of 0.5 sec. must be given and the UP and DOWN relays must be mutually interlocked for control devices. The control time must be longer than the travel time of the respective element. This reduces the residual voltage in the motor and protects the capacitor. Pay attention to this changeover time, especially with bus controls!

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### Commissioning

- a) Switch on the power supply again.
- b) Press the UP button on the control unit:
  - If the roller shutter moves upwards, the commissioning is finished.
  - If the roller shutter moves downwards, please proceed as follows.
- c) Switch off the power supply. 
  - Swap the brown and the black cable on the control unit.
- d) Switch on the power supply again.
  - Press the UP button to check the direction of rotation.