

Selve 382450

Selve SEL-PLUS 2/15 Roller Shutter Motor User Manual

Model: 382450

1. INTRODUCTION AND PRODUCT OVERVIEW

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Selve SEL-PLUS 2/15 tubular motor. This motor is designed for automated roller shutter systems, offering reliable performance and user-friendly features.

Key features of the Selve SEL-PLUS 2/15 include:

- Obstacle detection in the downward direction with controller (automatic release).
- Easy adjustment via the four-strand connection cable, eliminating the need to open the roller shutter box.
- Overload protection in one direction (e.g., switches off if frozen shut).
- Parallel connection of multiple Selve electronic drives possible without additional switching elements.
- Automatic direction assignment.

2. SAFETY INFORMATION

Please read all safety instructions carefully before installation and operation. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Installation and electrical connections must only be performed by qualified personnel in accordance with local electrical codes and regulations.
- Ensure the power supply is disconnected before performing any installation, maintenance, or troubleshooting.
- Do not operate the motor if it is damaged or if any cables are frayed or exposed.
- Keep hands, hair, and loose clothing away from moving parts during operation.
- This product is designed for roller shutter applications. Do not use it for purposes other than its intended use.
- Protect the motor from moisture and extreme temperatures. The protection class is IP44.

3. SETUP AND INSTALLATION

The Selve SEL-PLUS 2/15 motor is designed for integration into SW60 (60mm octagonal shaft) roller shutter systems.



This image displays the Selve SEL-PLUS 2/15 tubular motor, a key component for automated roller shutters. The green cylindrical body features a label detailing its specifications, including type, serial number, voltage, frequency, current, power, torque (Nm), revolutions per minute (1/min), and operating time (min). The black and green end cap shows the electrical connection point.

3.1 Mechanical Installation

1. Ensure the roller shutter shaft is clean and free of obstructions.
2. Insert the motor into the SW60 octagonal shaft. Ensure it is securely seated and aligned.
3. Mount the motor's bearing and bracket securely within the roller shutter box.
4. Attach the roller shutter curtain to the shaft using appropriate fasteners.

3.2 Electrical Connection

The motor operates on 230V, 50Hz AC power. Connect the four-strand cable according to the wiring diagram provided with your specific control unit.

- **Brown wire:** Live (Up)
- **Black wire:** Live (Down)

- **Blue wire:** Neutral
- **Green/Yellow wire:** Earth/Ground

Ensure all connections are secure and insulated.

3.3 End Point Adjustment (Electronic)

The Selve SEL-PLUS 2/15 features automatic electronic end-point adjustment.

1. After mechanical and electrical installation, apply power to the motor.
2. Operate the roller shutter upwards until it reaches its desired upper limit. The motor will automatically detect the end position.
3. Once the upper limit is set, operate the roller shutter downwards. The motor will automatically detect the lower end position.
4. The motor is now programmed and ready for normal operation. Fine-tuning can be done via the four-strand connection cable if necessary, without opening the roller shutter box.

4. OPERATING INSTRUCTIONS

The Selve SEL-PLUS 2/15 motor is controlled via a standard roller shutter switch or a compatible control system.

- **Upward Movement:** Activate the 'Up' command on your switch. The roller shutter will move upwards until it reaches the programmed upper end point or until the command is released.
- **Downward Movement:** Activate the 'Down' command on your switch. The roller shutter will move downwards until it reaches the programmed lower end point or until the command is released.
- **Stop:** Activate the 'Stop' command (if available on your switch) or briefly activate the opposite direction command to stop the roller shutter at any desired position.
- **Obstacle Detection:** The motor features obstacle detection in the downward direction. If an obstacle is encountered, the motor will stop and reverse slightly to clear the obstruction.
- **Overload Protection:** The motor is equipped with overload protection. In case of excessive load (e.g., frozen shutter), the motor will switch off to prevent damage.
- **Parallel Connection:** Multiple Selve electronic drives can be connected in parallel without the need for additional switching elements, simplifying multi-shutter installations.

5. MAINTENANCE

The Selve SEL-PLUS 2/15 motor is designed for long-term, maintenance-free operation. However, regular checks of the roller shutter system are recommended.

- Periodically inspect the roller shutter curtain, guides, and shaft for any signs of wear, damage, or obstructions.
- Ensure the roller shutter moves smoothly and quietly. Any unusual noises or jerky movements should be investigated.
- Keep the area around the roller shutter free from debris.
- Do not lubricate the motor itself.
- If cleaning is necessary, use a dry or slightly damp cloth. Do not use abrasive cleaners or solvents.

6. TROUBLESHOOTING

If you experience issues with your Selve SEL-PLUS 2/15 motor, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Motor does not respond.	No power supply, faulty wiring, faulty switch.	Check power supply. Verify wiring connections. Test the switch. Consult a qualified electrician.
Roller shutter stops unexpectedly.	Obstacle detected, overload protection activated, end points not set correctly.	Check for obstacles in the path. Ensure the shutter is not frozen or jammed. Re-run the end point adjustment procedure.
Roller shutter does not reach full up/down position.	End points need re-adjustment.	Perform the end point adjustment procedure again. Ensure no mechanical obstructions.
Unusual noises during operation.	Mechanical obstruction, worn components in the roller shutter system.	Inspect the roller shutter shaft, bearings, and guides for any foreign objects or damage.

If the problem persists after attempting these solutions, please contact a qualified technician or Selve customer support.

7. TECHNICAL SPECIFICATIONS

Specification	Value
Model	SEL-PLUS 2/15 (Model No. 382450)
Nominal Torque	15 Nm
Effective Roller Shutter Weight (at 1.5 m height)	35 kg
Effective Roller Shutter Weight (at 2.5 m height)	29 kg
Shaft Type Compatibility	SW 60 (60mm Octagonal Shaft)
Traction Force	460 N
Rotational Speed	17 U/min (RPM)
Power Consumption	152 W
Current Consumption	0.66 A
Voltage	230 V
Frequency	50 Hz
Uninterrupted Working Time	4 Minutes
Protection Class	IP44
Certifications	CE, VDE
Outer Diameter	45 mm
Item Weight	2.82 Kilograms

Specification	Value
Dimensions (Packaging)	65 x 10.8 x 10.2 cm

8. WARRANTY INFORMATION

Selve products are manufactured to high-quality standards. For specific warranty terms and conditions, please refer to the warranty documentation included with your purchase or visit the official Selve website. Keep your proof of purchase for warranty claims.

9. SUPPORT AND CONTACT

Should you require further assistance, technical support, or have questions not covered in this manual, please contact your retailer or Selve customer service.
For the most up-to-date contact information, please visit the official Selve website:www.selve.de

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Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question