Eltako 22100430 Current Limiting Relay Capacitive User Guide

Contents

Eltako 22100430 Current Limiting Relay Capacitive

Product Information

Specifications

- **Model Number:** 22 100 430 – 1
- **Product Type**: Electrical Equipment

Product Usage Instructions

Important Safety Instructions

Only skilled electricians should install this electrical equipment to avoid the risk of fire or electric shock. Please read and follow all safety instructions before using the product.

Installation

Ensure that the power supply is turned off before starting the installation process. Follow these steps to install the electrical equipment:

1. Locate a suitable location for the equipment where it can be easily accessed.
2. Mount the equipment securely using the provided mounting brackets or screws.
3. Connect the electrical wires according to the provided wiring diagram. Make sure to match the correct polarity.
4. Double-check all connections to ensure they are secure and properly insulated.
5. Turn on the power supply and test the equipment to ensure it is functioning correctly.

Operation

Once the installation is complete, follow these instructions to operate the electrical equipment:

1. Ensure that the power supply is turned on.
2. If applicable, adjust any settings or controls according to your specific requirements.

3. Monitor the equipment for any abnormal behaviour or malfunctions.
4. If any issues arise, immediately turn off the power supply and consult a skilled electrician for assistance.

Maintenance
To ensure optimal performance and longevity of the electrical equipment, follow these maintenance guidelines

- Regularly inspect the equipment for any signs of damage or wear.
- Clean the equipment using a dry cloth to remove any dust or debris.
- Avoid exposing the equipment to extreme temperatures or moisture.
- Keep the equipment away from any flammable materials.

Frequently Asked Questions (FAQ)

Q: Can I install this electrical equipment myself?
A: No, only skilled electricians should install this electrical equipment to ensure safety and proper installation.

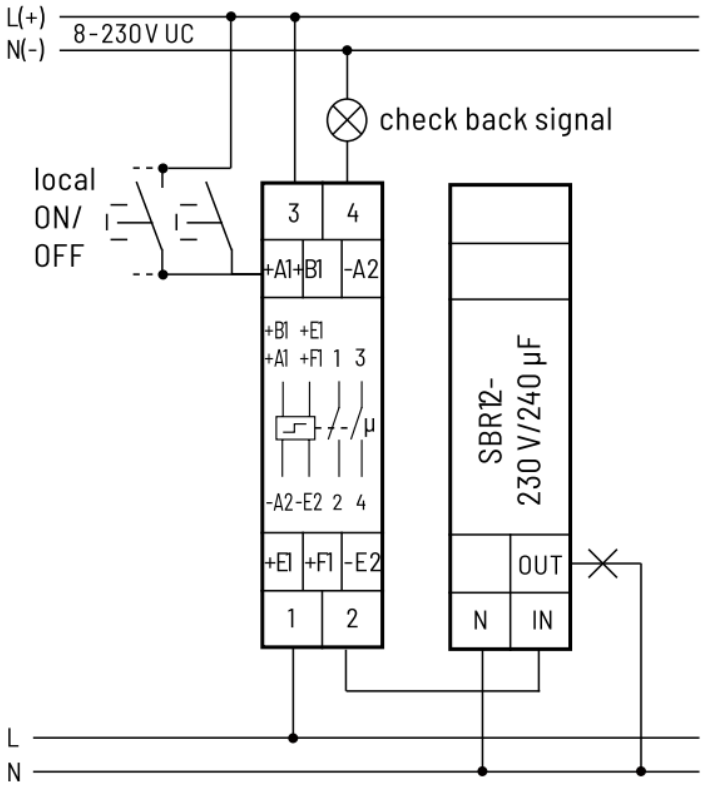
Q: What should I do if the equipment malfunctions?
A: If you encounter any malfunctions, immediately turn off the power supply and contact a skilled electrician for assistance.

Q: How often should I inspect and clean the equipment?
A: It is recommended to inspect and clean the equipment regularly, preferably once every three months or as needed.

USING INSTRUCTION

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%.1 NO contact 16 A/250 V AC. No standby loss. Modular device for DIN 60715 TH35 rail mounting. 1 module = 18 mm wide, 58 mm deep. Max. capacitive load 240 µF downstream of the rectifier (e.g. energy-saving lamps and electronic ballast) or 120 µF directly at the mains (e.g. shunt-compensated fl cores-cent lamps). Limiting resistor 12 Ω, limiting period approx. 15 msec. The starting current impulse of energy-saving lamps, fluorescent lamps and compact fluorescent lamps is limited to 20 A by short-time switch-on (approx. 15 msec.) of heavy-duty resistors (12 Ω). The current-limiting relay is connected on the load side of the protected relay contact. Permanent load max. 1200 W, max. switching frequency 600/h. Explanation of capacitive load specification: The specified max. capacitive load directly at the mains is the deciding factor determining shunt-compensated fluorescent lamps or conventional ballast, for example. Here the capacitor switched in parallel to the mains is the deciding factor in determining the correct dimensioning per lamp. The specified max. capacitive load downstream of the rectifier is the deciding factor determining fluorescent lamp ballast or energy-saving lamps, for example. An equivalent capacitance of 10 µF per lamp may be calculated.

Typical connection



ES12Z with SBR12-230V/240µF

The strain relief clamps of the terminals must be closed, which means the screws must be tightened for testing the function of the device. The terminals are open ex works.

Manuals and documents in further languages:

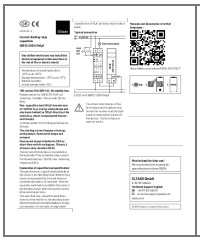
- https://eltako.com/redirect/SBR12-230V*240*F

Must be kept for later use!
We recommend the housing for operating instructions GBA14.

ELTAKO GmbH

- D-70736 Fellbach
- Technical Support English:
- +49 711 943 500 25
- technical-support@eltako.deeltako.com
- 02/2024 Subject to change without notice.

Documents / Resources

	Eltako 22100430 Current Limiting Relay Capacitive [pdf] User Guide 230V-240 F, 22100430-1, 22100430 Current Limiting Relay Capacitive, 22100430, Current Limiting Relay Capacitive, Limiting Relay Capacitive, Relay Capacitive, Capacitive

References

- Home » Eltako
- SBR12-230V/240µF » Eltako
- User Manual