

Qoltec[®]



SAFETY WARNINGS FOR USE DIN RAIL SURGE ARRESTERS

The following list of safety warnings has been compiled in accordance with the requirements of the General Product Safety Regulation (EU) 2023/988 (GPSR). Its purpose is to protect users from potential hazards arising from the misuse of products. The warnings have been formulated in a simple and understandable way to be accessible to a wide audience, including the elderly and people with reduced mobility.

The DIN rail surge arresters offered by manufacturer NTEC sp. z o.o. are CE-certified, which proves their compliance with EU safety standards.

Use DIN-rail surge arresters as intended and in accordance with the manufacturer's recommendations.

BASIC HAZARDS AND PRECAUTIONS

1. Mechanical risks:
 - Installation of surge arresters should be entrusted to persons with the appropriate knowledge and skills for handling DIN rail surge arresters.
 - Improper storage, transport or assembly can lead to the case breaking, increasing the risk of contact with live internal components.
 - Failure to attach the arrester correctly may result in vibration, instability or disconnection from the installation.
 - Dust, dirt or grease can build up on the surface of the unit, which can affect performance.
2. Electrical risk:
 - Incorrect wiring or incorrect selection of the arrester to suit the installation parameters can result in a lack of surge protection.
 - Incorrect wiring can lead to a short circuit or damage to the arrester.
 - The wear and tear of protection modules (e.g. varistors) without replacing them can lead to a loss of surge protection capability.
 - Do not install or operate the stops with wet hands.
3. Thermal risk:
 - Intensive operation of the arrester under conditions of frequent surges can lead to overheating.
 - Lack of adequate ventilation in the electrical enclosure can cause a temperature rise, which affects the life and effectiveness of the arrester.

SPECIFIC HAZARDS ARISING FROM USE

4. Security risks:
 - A damaged arrester housing or improper wiring can increase the risk of contact with live components.
 - Ineffective surge protection can lead to damage to other plant components, increasing the risk of fire.
5. Environmental risks:
 - Operation in high humidity environments or sudden temperature changes can corrode arrester components and increase the risk of a short circuit.
 - Dust accumulation on the surface of the arrester can reduce performance and increase the risk of overheating.
6. Risks of use:
 - Incorrect connection of the arrester to the installation may lead to ineffective operation and a lack of surge protection.

- The use of an arrester which does not comply with the requirements of the installation may result in damage to the arrester or ineffective protection.
- Failure to notice the wear and tear of protection modules (e.g. after tripping due to an overvoltage) can result in a loss of protection without visible symptoms.

MAINTENANCE PRECAUTIONS

7. Cleaning the device:
 - The use of aggressive chemicals or lack of maintenance can affect the effectiveness of the arrester.
8. Maintenance:
 - Failure to inspect arresters can lead to protective module wear or mechanical damage going unnoticed.
 - Attempting to repair the arrester yourself can lead to permanent damage and danger to the user.
9. Storage:
 - Storing arresters in extreme temperatures or humidity can affect their durability and functionality.

ADDITIONAL WARNINGS

10. Child safety:
 - Keep the stops away from children to avoid injury and damage to the equipment.
11. Avoid modifications:
 - Attempting to repair the arresters yourself without the correct knowledge and tools can lead to further damage and danger to the user.
12. Actions in the event of an emergency:
 - If the unit exhibits abnormal operation, such as overheating, sparking, unusual odour or noises, immediately switch it off and disconnect it from the power supply and then contact the service centre.
 - If you observe any unsafe product behaviour, contact the manufacturer urgently.

THE IMPORTANCE OF COMPLYING WITH THE WARNINGS

Following the above warnings minimises the risk of personal injury, equipment failure and property damage. Ignoring the recommendations can lead to serious health and material risks. Keep yourself and your loved ones safe by observing the precautions indicated.

PRODUCER

NTEC sp. z o.o.
44B Chorzowska Street
44-100 Gliwice
POLAND
info@qoltec.com
tel: +48 32 600 79 89