

NAMUR Resistance Network F-NR-Ex1, F-NR2-Ex1

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Validity

Specific processes and instructions in this document require special precautions to guarantee the safety of the operating personnel.

System Operator and Personnel

Responsibility for planning, assembly, commissioning, operation, maintenance, and dismounting lies with the system operator.

Mounting, installation, commissioning, operation, maintenance and disassembly of any devices may only be carried out by trained, qualified personnel. The instruction manual must be read and understood.

Pertinent Laws, Standards, Directives, and further Documentation

Laws, standards, or directives applicable to the intended use must be observed. In relation to hazardous areas, Directive 1999/92/EC must be observed.

The corresponding data sheets, declarations of conformity, EC-type-examination certificates, certificates and Control Drawings if applicable (see data sheet) are an integral part of this document. You can find this information under www.pepperl-fuchs.com.

Due to constant revisions, documentation is subject to permanent change. Please refer only to the most up-to-date version, which can be found under www.pepperl-fuchs.com.

Coding

NAMUR Resistance Network
Pepperl+Fuchs GmbH
Lilienthalstrasse 200, 68307 Mannheim, Germany
F-NR-Ex1 F-NR2-Ex1

table 1

Intended Use

The NAMUR resistance network F-NR-Ex1 is used to monitor lead breakage and short circuit detection in switch amplifier circuits controlled by mechanical contacts.

The device may be installed in the hazardous area of Zone 1.

The devices are only approved for appropriate and intended use. Ignoring these instructions will void any warranty and absolve the manufacturer from any liability.

The device must only be operated in the ambient temperature range and at the relative humidity (non-condensing) specified.

Non-intended Use

Protection of the operating personnel and the overall system is not ensured if the product is not being used according to its intended purpose.

Do not install the device in the hazardous dust area.

Do not use the device for the isolation of circuits.

Delivery, Transport and Storage

Check the packaging and contents for damage.

Check if you have received every item and if the items received are the ones you ordered.

Keep the original packaging. Always store and transport the device in the original packaging.

Always store the device in a clean and dry environment. The permitted storage temperature (see data sheet) must be considered.

Mounting and Installation

Prior to mounting, installation, and commissioning of the device you should make yourself familiar with the device and carefully read the instruction manual.

The installation instructions in accordance with IEC/EN 60079-14 must be observed.

The respective peak values of the field device and the associated apparatus with regard to explosion protection should be considered when connecting intrinsically safe field devices with intrinsically safe circuits of associated appara-

tus (verification of intrinsic safety). Make sure to observe IEC/EN 60079-14 and IEC/EN 60079-25.

Repair and Maintenance

The devices must not be repaired, changed or manipulated. If there is a defect, the product must always be replaced with an original device.

Disposal

Disposing of devices, packaging material, and possibly contained batteries must be in compliance with the applicable laws and guidelines of the respective country.

