



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX IBE 20.0033X** Page 1 of 3 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2021-06-08
Applicant: **Endress + Hauser Wetzler GmbH & Co. KG**
Obere Wank 1
87484 Nesselwang
Germany
Equipment: **Power and error message module type RNF 22**
Optional accessory:
Type of Protection: **increased safety "ec" in combination with sealed device "nC"**
Marking: **Ex ec nC IIC T4 Gc**
-40 °C ≤ T_{amb} ≤ +60 °C

Approved for issue on behalf of the IECEx
Certification Body:

Alexander Henker

Position:

Deputy Head of department Certification Body

Signature:
(for printed version)



Date:

2021-06-08

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

IBExU Institut für Sicherheitstechnik GmbH
Fuchsmühlenweg 7
09599 Freiberg
Germany





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Manufacturer: **Endress + Hauser Wetzer GmbH & Co. KG**
Obere Wank 1
87484 Nesselwang
Germany

Additional
manufacturing
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-15:2017 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
Edition:5.0

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[DE/IBE/ExTR21.0029/00](#)

Quality Assessment Report:

[DE/TUN/QAR06.0009/09](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Power and error message module RNF22 serves for the single or redundant power supply of modules via the T-Bus Connector. The error signal, which is available from some modules via the T-Bus, is evaluated and issued to external equipment via a relay contact.

There are two variants differing only concerning their connectors, one is provided with screw connectors, the other with spring pressure connectors.

There is no galvanic separation in the power supply of the Power and error message module. Only the contact of the relay is galvanic separated from the rest of the circuit.

Technical data:

Input voltage U_N	19.2...30 V DC
Redundant supply	Separated by diodes
Protection against voltage reversal and high voltages	Yes
Maximum output current	3.75 A
Output voltage	$U_{out} = U_N - 0.8 V$
Switching output	1 x change over switch
Contact material	Au
Maximum switching ability	50 V (2 A)
Ambient temperature range	-40 °C...+60 °C

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The Power and error message module RNF22 has to be installed in a certified housing fulfilling the requirements of IEC 60079-0 and IEC 60079-7 in degree of protection IP54 according to IEC 60529.
- Connecting and disconnecting of cables or wires and removing or replacing of the fuse are not allowed in energized state of the Power and error message module RNF22.