

T r a n s l a t i o n

ELECTRICAL EQUIPMENT FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES

(1) **Certificate of Conformity**

(2) **BVS 95.D.2035**

(3) This certificate is issued for:

Field Data Processor Type NRF 56.-*...

(4) Manufactured and submitted for certification by:

**Sakura Endress Co., Ltd.
406 Yamanashi P. Japan**

(5) This electrical apparatus and any acceptable variation thereto are specified in the Annex to this Certificate.

(6) BVS, an approved body in accordance with Article 14 of the Council Directive of the European Communities 76/117/EEC, of 18. Dezember 1975

– certifies that this electrical apparatus has been found to comply with the following harmonized European Standards:

EN 50014-1977 + A1 - A5 (VDE 0170/0171 part 1/1.87) General requirements
EN 50018-1977 + A1 - A3 (VDE 0170/0171 part 5/1.87) Flameproof enclosure "d"
EN 50019-1977 + A1 - A5 (VDE 0170/0171 part 6/5.92) Increased safety "e"

and has successfully met the type verification and test requirements of these standards,

– certifies that a confidential test report has been completed on these verifications and test.

(7) The code of the electrical apparatus is:

EEx d IIC T4 oder EEx de IIC T4

(8) This certificate may only be reproduced in its entirety and without change.

- (9) Certificate of Conformity BVS 95.D.2035
- (10) By marking the supplied electrical apparatus, the manufacturer attests on his own responsibility that this electrical apparatus complies with the descriptive documents referred to in the Annex to this certificate and has satisfied routine verifications and tests required in the harmonized European Standards referred to in (6) above.
- (11) The supplied electrical apparatus is authorized to carry the distinctive Community mark specified in Annex II of the Commission Directive No. 84/47/EEC of 16 January 1984. This mark is reproduced on the first page of this certificate; it shall be affixed to the electrical apparatus in such a way as to be visible, legible and durable.
- (12) If the sign X is placed after the certificate number, it indicates that the electrical apparatus is subject to the special conditions for safe use specified in the Annex to this certificate.

D-44329 Dortmund, dated 26. April 1995
BVS-Dr.We/Tc A 9400693

DMT-Gesellschaft für Forschung und Prüfung mbH
Fachstelle für Sicherheit elektrischer Betriebsmittel
Bergbau-Versuchsstrecke

Signed: Dr. Dill

Annex of Certificate of Conformity
BVS 95.D.2035

(A 1) Field Data Processor Type NRF 56.-*...

D: EEx d IIC T4

E: EEx de IIC T4

(A 2) Description

The Field Data Processor Type NRF 56... is designed for the evaluation and display of signals received from remotely installed sensors.

The electronic circuits are incorporated into an enclosure type PRO-LINE (BVS 95.D.2010 U).

(A 3) Descriptive Documents

3.1 Description (5 pages) dated 31.03.95

3.2 Drawing No.	dated	signed
NRF 56-12.0001	31.03.95	31.03.95
NRF 56-12.0002	31.03.95	31.03.95

3.3 Data List No.	dated	signed
NRF 56-12.0003	31.03.95	31.03.95

(A 4) Electrical Parameters

Nominal voltage	AC 30 V up to 250 V
	or DC 10 V up to 62 V

Nominal power	up to 20 VA
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(A 5) Marking

The marking shall be visible, legible and durable. It shall contain the following:

5.1 The name of the manufacturer or its trademark
Type NRF 56.-*...
EEx d IIC T4 or EEx de IIC T4
Serial number
BVS 95.D.2035

5.2 T_A: - 20 °C ... 60 °C

5.3 The regular marking corresponding to the product standards of the electrical apparatus.

(A 6) Routine Tests

The individual tests shall be achieved by the manufacturer in accordance with 23 of EN 50014-1977 (VDE 0170/0171 part 1/5.78).

(A 7) Special Conditions for Safe Operation

None

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Bergbau-Versuchsstrecke

Signed: Dr. Dill

The Testing Officer


Signed: Dr. Wenzel

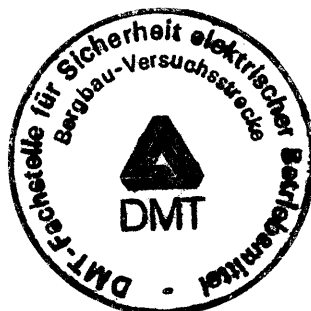
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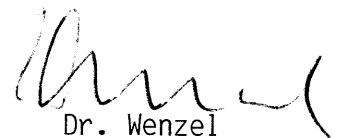
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