

(1) TYPE-EXAMINATION CERTIFICATE



- (2) Equipment and Protective Systems intended for use in Potentially Explosive Atmosphere - **Directive 94/9/EC**
- (3) Type-Examination Certificate Number

TÜV 14 ATEX 7540 X

- (4) **Equipment:** Rectangular Fire Damper
Types: CU2 + EMEX* and CU2 + RMEX*
- (5) **Manufacturer:** RF-TECHNOLOGIES nv
- (6) **Address:** Lange Ambachtstraat 40; 9860 Oosterzele; Belgium

(7) This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) The TÜV Rheinland Notified Body for ex-protected products of TÜV Rheinland Industrie Service GmbH, Notified Body No. 0035 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmosphere, given in Annex II to the Directive.

The examination and test results are recorded in the confidential report 557/Ex540.00/14

(9) Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:

EN 1127-1: 2011

EN 13463-1: 2009

except the requirements, which are listed under item (18).

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This Type-Examination Certificate relates only to the design and specification for construction of the equipment or protective system. It does not cover the process for actual manufacture or supply of the equipment or protective system, for which further requirements of the directive are applicable.

(12) The marking of the equipment shall include the following



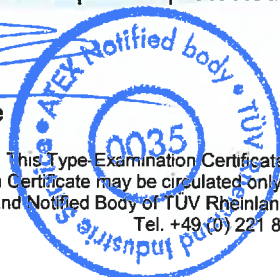
**II2G
II2D**

**IIC T6/T5
T80 °C / T95 °C**

TÜV Rheinland ExNB for explosion protected equipment

Cologne, 2014-08-05

Dipl.-Ing. Heinz Farke



This Type-Examination Certificate without signature and stamp shall not be valid.
This Type-Examination Certificate may be circulated only without alteration. Extracts or alterations are subject to approval by the TÜV Rheinland Notified Body of TÜV Rheinland Industrie Service GmbH, Am Grauen Stein 51105 Köln
Tel. +49 (0) 221 806-0 Fax. +49 (0) 221 806 114

(13)

Annex to

(14)

Type Examination Certificate

TÜV 14 ATEX 7540 X

(15)

Description of equipment

15.1 Equipment and type:

Rectangular Fire Damper
as follows:

Types: CU2 + EMEX* and CU2 + RMEX*

Type designation	Electrical components	Intended use (zone)	Option
CU2 + EMEX	ExMax-15-SF	1, 2, 21, 22	2 position switches
CU2 + EMEXT	ExMax-15-BF + ExPro-TT	1, 2, 21, 22	2 position switches + fusible (ExPro-TT)
CU2 + RMEX	RedMax-15-SF	2, 22	2 position switches
CU2 + RMEXT	Redmax-15-BF + ExPro-TT	2, 22	2 position switches + fusible (ExPro-TT)

15.2 Description

The rectangular fire damper type CU2 + EMEX* and type CU2 + RMEX* are used e.g. in ventilation ducts to prevent the spread of fire.

The unlocking of the blade can be done manually, remotely, or automatically.

Its fire-resistant walls and blade are made of silicate material and situated in a metallic frame.

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15.3 Technical Data

Connection size max. 1500 to 1000 mm

Rated voltage max. 250 V

Ambient temperature range and temperature class / surface temperature:

Gas application

-10 °C ≤ Ta ≤ +40 °C T6

-10 °C ≤ Ta ≤ +50 °C T5

Dust application

-10 °C ≤ Ta ≤ +40 °C T80°C

-10 °C ≤ Ta ≤ +50 °C T95°C

Device	Type	Marking	Certificate
Actuator	EXMAX 15-SF, EXMAX 15-BF	II 2(1)G Ex d [ia] IIC T6/T5/T4 II 2(1)D Ex tD [iaD] A21 IP66 T80/T100/T135°C	PTB 04 ATEX 1028 X
Actuator	REDMAX 15-SF, REDMAX 15-BF	II 3(1)G Ex nC [ia] IIC T6/T5/T4 II 3G Ex nC II T6/T5/T4 II 3D Ex tD A22 IP66 T80/T100/T135°C	PTB 04 ATEX 2106
Safety temperature trigger	ExPro-TT	II 2G Ex ia IIC T6 II 2D Ex tD iaD A21 IP66 T80°C	PTB 10 ATEX 2006

Table 1: Already „ATEX“ assessed and declared products

(16) **Test-Report No.** 557/Ex540.00/14

Parts of the device, which already fulfill the requirements for the category, were not approved and assessed by TÜV Rheinland Industrie Service.

The applicability and assembly of mechanical and electrical parts and components were assessed and approved by TÜV Rheinland Industrie Service with respect to the requirements of explosion protection.

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(17) **Special Conditions for safe use**

1. The declarations of conformity of some parts of the assembly are based on standards which are not state of the art any more. It is the responsibility of the end user if the assembly shall be used in this level, or if the full documentation (Declaration of Conformity in state of the art) shall be provided by the manufacturers.
The relevant products are listed in table 1 above.
2. The special conditions ("x" conditions) from the certificates / declarations of the electrical products need to be observed.

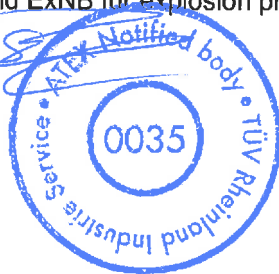
(18) **Basic Safety and Health Requirements**

Covered by afore mentioned standard

TÜV Rheinland ExNB für explosion protected equipment

Cologne, 2014-08-05


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