



(1) **EU-TYPE EXAMINATION CERTIFICATE**
(Translation)

(2) Equipment or Protective Systems Intended for Use in
Potentially Explosive Atmospheres - **Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number:

PTB 05 ATEX 1063

Issue: 1

(4) Product: Ex-stem-type temperature fire detector, type EXDAF04-***-* and
EXDAF05-***-*

(5) Manufacturer: Egon Harig GmbH

(6) Address: Gewerbering 4, 22113 Oststeinbek, Germany

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

(8) The Physikalisch-Technische Bundesanstalt, notified body No. 0102 in accordance with Article 17 of the Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres, given in Annex II to the Directive.

The examination and test results are recorded in the confidential Test Report PTB Ex 20-19086.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0:2018, EN 60079-1:2014

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the product shall include the following:

 **II 2 G Ex db IIC T3, T4 Gb**

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, March 23, 2020


Dr.-Ing. D. Mark
Direktor und Professor



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EU-Type Examination Certificates without signature and official stamp shall not be valid. The certificates may be circulated only without alteration. Extracts or alterations are subject to approval by the Physikalisch-Technische Bundesanstalt. In case of dispute, the German text shall prevail.



(13) **SCHEDULE**

(14) **EU-Type Examination Certificate Number PTB 05 ATEX 1063, Issue: 1**

(15) Description of Product

The Ex-stem-type temperature fire detector, types EXDAF04-***-* and EXDAF05-***-*, consists of a sensor and a – separately certified – adapter box designed to Flameproof Enclosure "db" type of protection.

Technical data

Rated voltage up to 48 V
 Rated current max. 0.5 A
 Utilization category AC1/DC1
 Nominal cross section 2.5 mm²
 Working temperature range -50 °C to +150 °C (T3)
 -50 °C to +100 °C (T4)

Nomenclature

EXDAF04	-***	-*
EXDAF05		
1	2	3

- 1: Type
 EXDAF04: Standard version
 EXDAF05: Screwed version
- 2: Response temperature
- 3: Type of contact (S = make contact, O = break contact)

Changes with respect to previous editions

1) New test according to the standards EN IEC 60079-0:2018 and EN 60079-1:2014.
 Therefore, the marking changes to:

II 2 G Ex db IIC T3 resp. T4 Gb

2) The type EXDAF 94-***-* is cancelled.

(16) Test Report PTB Ex 20-19086

SCHEDULE TO EU-TYPE EXAMINATION CERTIFICATE PTB 05 ATEX 1063, Issue: 1

(17) Specific conditions of use

None

(18) Essential health and safety requirements

Met by compliance with the aforementioned standards.

According to Article 41 of Directive 2014/34/EU, EC-type examination certificates which have been issued according to Directive 94/9/EC prior to the date of coming into force of Directive 2014/34/EU (April 20, 2016) may be considered as if they were issued already in compliance with Directive 2014/34/EU. By permission of the European Commission supplements to such EC-type examination certificates and new issues of such certificates may continue to hold the original certificate number issued before April 20, 2016.

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, March 23, 2020

D. Mark

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