

Translation

EU-Type Examination Certificate

Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014

EU-Type Examination Certificate Number: **BVS 10 ATEX E 158** Issue: **01**

Equipment: **Field indicator type DIH**-F and field transmitter type TIF**-F**

Manufacturer: **WIKA Alexander Wiegand SE & Co. KG**

Address: **Alexander-Wiegand-Straße 30, 63911 Klingenberg, Germany**

This product and any acceptable variations thereto are specified in the appendix to this certificate and the documents referred to therein.

DEKRA Testing and Certification GmbH, Notified Body number 0158, in accordance with Article 17 of 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 Report No. BVS PP 11.2009 EU. This issue of the EU-Type Examination Certificate replaces the previous issue of the EU-Type Examination Certificate BVS 10 ATEX E 158 including supplement 1

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018

General requirements

EN 60079-1:2014

Flameproof enclosure "d"

If the sign "X" is placed after the certificate number, it indicates that the product is subject to the "Specific Conditions of Use" listed under item 17 of this certificate.

This EU-Type Examination Certificate relates only to the technical design of the specified product in accordance with 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.

The marking of the product shall include the following:



II 2G Ex db IIC T4/T5/T6 Gb

DEKRA Testing and Certification GmbH
Bochum, 2023-10-27

Signed: Oliver Brumm

Managing Director

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15 Product description

15.1 Subject and type

Field Indicator type DIH50-F, DIH52-F and Field Transmitter type TIF11-F, TIF50-F, TIF52-F

15.2 Description

The field indicators- and field transmitters enclosure is made of stainless steel or aluminium and is designed in type of protection Flameproof Enclosure. The empty enclosure has been separately tested and certified (see IECEx TUN 18.0010U, TÜV 18 ATEX 211394U resp.). The lid of the enclosure could optionally be fitted with a glass window. There is a maximum of three threaded cable gland entries into the enclosure. Two located on the side and one either on the back or the bottom of the enclosure.

Reasons for this Issue:

- Update of used standards
 - from EN 60079-0:2011 to EN IEC 60079-0:2017
- Update of documentation
- New ambient temperature range for the special low temperature versions
- New stainless-steel marking plate for the special low temperature versions
- A certified empty enclosure is now used (see IECEx TUN 18.0010U, TÜV 18 ATEX 211394U resp.)

15.3 Parameters

15.3.1 Electrical:

$U_{\max} = 30 \text{ V DC}$

$P_{\max} = 2 \text{ W}$

15.3.2 Thermal:

DIH**-F Temperature range:

T4 (-60 °C) -40 °C up to 85 °C

T5 (-60 °C) -40 °C up to 75 °C

T6 (-60 °C) -40 °C up to 60 °C

TIF**-F Temperature range:

T4 (-60 °C) -40 °C up to 85 °C

T5 (-60 °C) -40 °C up to 75 °C

T6 (-60 °C) -40 °C up to 60 °C

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17 Specific Conditions of Use

None

18 **Essential Health and Safety Requirements**

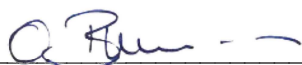
Met by compliance with the requirements mentioned in item 9.

19 **Remarks and additional information**

Drawings and documents are listed in the confidential report.

We confirm the correctness of the translation from the German original.
In the case of arbitration only the German wording shall be valid and binding.

DEKRA Testing and Certification GmbH
Bochum, 2023-10-27
BVS-DDO/Kir/Mu A 20220830 / 342830900



Managing Director