

## Translation

# Type Examination Certificate

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

Type Examination Certificate Number: **BVS 08 ATEX E 022 X** Issue: **01**

Equipment: **Telephone type FernTel IP4 Z2**

Manufacturer: **FHF Funke + Huster Fernsig GmbH**

Address: **Gewerbeallee 15-19, 45478 Mülheim an der Ruhr, 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 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 BVS PP 08.2020 EU/N4.

This issue of the Type Examination Certificate replaces the previous issue of the Type Examination Certificate BVS 08 ATEX E 022 X including supplements 1 to 3.

The Essential Health and Safety Requirements are assured in consideration of:

**EN IEC 60079-0:2018**

**General requirements**

**EN IEC 60079-7:2015+A1:2018**

**Increased Safety "e"**

**EN 60079-11:2012**

**Intrinsic Safety "i"**

**EN 60079-31:2014**

**Protection by Enclosure "t"**

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 Type Examination Certificate relates only to the design and construction of the specified product. 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 3G Ex ec ic IIC T5 Gc**

**II 3D Ex tc ic IIIC T85°C Dc**

DEKRA Testing and Certification GmbH  
Bochum, 2025-03-27

Signed: Oliver Brumm

Managing Director



## 13 Appendix

## 14 Type Examination Certificate

### BVS 08 ATEX E 022 X Issue 01

## 15 Product description

### 15.1 Subject and type

Telephone type FernTel IP4 Z2

### 15.2 Description

Description of Product:

The Phone type FernTel IP4 Z2 is used as a stationary equipment or as a tabletop unit. Type FernTel IP4 Z2 is a Voice Over IP phone which is used and supplied via Ethernet interface.

It meets the requirements of category 3G and category 3D.

#### Reason for this issue

- The electronics of the device was changed.
- The typecode of the Phone type FernTel IP Z2 changes in Phone type FernTel IP4 Z2.
- Modification of the parameters
- X Marking is added

Listing of all components used referring to older standards

None

### 15.3 Parameters

#### 15.3.1 Electrical Data at X501

Max. Voltage	Um	57	V DC
Power P <sub>PoE</sub>	≤	12.95	W
Current IDC <sub>PoE</sub>	≤	350	mA

Electrical Data at X100.3 / X100.4

Max. Voltage	Um	53	V DC
Max. Current	Im	658	mA DC
Max. Power	Pm	15	W

The FernTel IP4 Z2 can be supplied via connection

X501 or connection X100.3/X100.4. Combined supply is not permissible.

External Circuit (Relay)

Electrical Data at X100.1/X100.2

Max. Voltage	UmDC	53	V DC or
Max. Voltage	UmAC	30	V AC
Max. Current	ImDC	1	A DC
Max. Current	ImAC	1	A AC
Max. Power	P	15	W

#### 15.3.2 Thermal Data

Temperature Class

T5

Max. Surface Temperature T

85 °C

Permitted Ambient Temperature Range -20 °C ≤ Ta ≤ +55 °C

Degrees of protection according to EN IEC 60079-0 IP65



16 **Report Number**

BVS PP 08.2020 EU/N4, as of 2025-04-04

17 **Specific Conditions of Use**

The device must be installed in such a way that an impermissible electrostatic charge due to operation, maintenance and cleaning can be avoided. See information in the manual

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.

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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, 2025-04-04  
BVS-HRH/xxx A20240525 343436400

  
Managing Director