



Translation

**Type Examination Certificate**

(1)

(2)

**- Directive 94/9/EC -  
Equipment and protective systems intended for use  
in potentially explosive atmospheres**

(3)

**BVS 08 ATEX E 022**

(4)

**Equipment: Telefon FernTel IP Z2**

(5)

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

(6)

**Anschrift: 45478 Mülheim an der Ruhr, Germany**

(7)

The design and construction of this equipment and any acceptable variation thereto are specified in the appendix to this type examination certificate.

(8)

The certification body of DEKRA EXAM GmbH certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design of Category 3 equipment intended for use in potentially explosive atmospheres, given in Annex II to the Directive.  
The examination and test results are recorded in confidential test and assessment report BVS PP 08.2020 EG.

(9)

The Essential Health and Safety Requirements are assured by compliance with:

EN 60079-0:2006 General requirements  
EN 60079-15:2005 Type of protection 'n'

(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 appendix to this certificate.

(11)

This Type Examination Certificate relates only to the design, examination and tests of the specified equipment in accordance to Directive 94/9/EC.  
Further requirements of the Directive apply to the manufacturing process and supply of this. These are not covered by this certificate.

(12)

The marking of the equipment shall include the following:



**II 3G Ex nAnL IIC T5**

**DEKRA EXAM GmbH**

Bochum, dated 21. February 2008

Signed: Dr. Jockers

Signed: Dr. Eickhoff

Certification body

Special services unit

(13) Appendix to

(14) **Type Examination Certificate**

**BVS 08 ATEX E 022**

(15) 15.1 Subject and type  
Phone type FernTel IP Z2

15.2 Description

The Phone type FernTel IP Z2 is used as a stationary equipment or as a tabletop unit.  
Type FernTel IP Z2 is a Voice Over IP phone which is used and supplied via Ethernet interface.  
It meets the requirements of category 3G.

15.3 Parameters

15.3.1 Electrical data at X101

rated voltage	DC	48	V
nominal voltage	DC	61	V
power $P_{PoE}$	$\leq$	4	W
current $I_{DC\_PoE}$	$\leq$	100	mA

15.3.2 Thermal data

temperature class		T5
permitted ambient temperature range	- 20 °C...+ 55	°C

15.3.3 Degrees of protection according to EN 60529 IP65

(16) Test report  
Nr. BVS PP 08.2020 EG, dated 21.02.2008

(17) Special conditions for safe use  
None

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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.

44809 Bochum, 21. February 2008  
BVS-HK/Wa A 20070731

DEKRA EXAM GmbH

  
\_\_\_\_\_  
Certification body

  
\_\_\_\_\_  
Special services unit



## Translation

# 1st Supplement

(Supplement in accordance with Directive 94/9/EC Annex III number 6)

## to the Type Examination Certificate BVS 08 ATEX E 022

**Equipment:** Phone FernTel IP Z2  
**Manufacturer:** FHF Funke + Huster Fernsig GmbH  
**Address:** 45478 Mülheim an der Ruhr, Germany

### Description

The Phone type FernTel IP Z2 meets also the requirements of category 3D, type of protection Ex tD according to EN 61241-0:2006 and EN 61241-1:2004.

The Essential Health and Safety Requirements of the modified equipment are assured by compliance with:

EN 60079-0:2006	General requirements
EN 60079-15:2005	Type of protection 'n'
EN 61241-0:2006	General requirements
EN 61241-1:2004	Protection by enclosures

### Parameters

#### Electrical data at X101

rated voltage	DC	48	V
nominal voltage	DC	61	V
power $P_{PoE}$	$\leq$	4	W
current $I_{DC\_PoE}$	$\leq$	100	mA

#### Thermal data

temperature class		T5
max. surface temperature T		80 °C
permitted ambient temperature range	-20 °C...	+55 °C

Degrees of protection according to EN 60529 IP65

The marking of the equipment shall include the following:

 **II 3G Ex nA nL IIC T5**  
**II 3D Ex tD A22 IP65 T80°C**

Special conditions for safe use

none

Test and assessment report

BVS PP 08.2020 EG as of 03.11.2008

**DEKRA EXAM GmbH**  
Bochum, dated 03. November 2008

Signed: Dr. Jockers

Signed: Dr. Eickhoff

\_\_\_\_\_  
Certification body

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Special services unit

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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.

44809 Bochum, 03. November 2008  
BVS- Hk / Her A 20080786

**DEKRA EXAM GmbH**

  
\_\_\_\_\_  
Certification body

  
\_\_\_\_\_  
Special services unit

Translation

(1) **2<sup>nd</sup> Supplement to the  
Type Examination Certificate**

(2) Equipment and protective systems intended for use  
in potentially explosive atmospheres - Directive 94/9/EC

(3) No. of Type Examination Certificate: **BVS 08 ATEX E 022**

(4) Equipment: **Phone type FernTel IP Z2**

(5) Manufacturer: **FHF Funke + Huster Fernsig GmbH**

(6) Address: **Gewerbeallee 15-19, 45478 Mülheim an der Ruhr, Germany**

(7) The design and construction of this equipment and any acceptable variation thereto are specified in the appendix to this supplement.

(8) The certification body of DEKRA EXAM GmbH certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design of Category 3 equipment intended for use in potentially explosive atmospheres, given in Annex II to the Directive. The examination and test results are recorded in the Test and Assessment Report BVS PP 08 2020 EG.

(9) The Essential Health and Safety Requirements are assured by compliance with:

<b>EN 60079-0:2012</b>	<b>General requirements</b>
<b>EN 60079-11:2012</b>	<b>Intrinsic safety 'i'</b>
<b>EN 60079-15:2010</b>	<b>Equipment protection by type of protection 'n'</b>
<b>IEC 60079-31:2013</b>	<b>Protection by enclosure 't'</b>

(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 appendix to this certificate.

(11) This supplement to the Type Examination Certificate relates only to the design, examination and tests of the specified equipment in accordance to Directive 94/9/EC.  
Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

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

**Ex II 3G Ex nA ic IIC T5 G**  
**II 3D Ex tc ic IIIC T80°C Dc**

DEKRA EXAM GmbH  
Bochum, dated 2014-03-24

Signed: Simanski

Certification body

Signed: Dr. Wittler

Special services unit

- (13) Appendix to
- (14) **2. Supplement to the Type Examination Certificate  
BVS 08 ATEX E 022**

(15) 15.1 Subject and type

Phone type FernTel IP Z2

15.2 Description

The Phone type FernTel IP Z2 is used as a stationary equipment or as a tabletop unit. Type FernTel IP 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 supplement is a minor modification and the updating to the current standard versions; the until now mentioned type of protection changes from Ex nL to Ex ic and the marking of the device will be modified.

15.3 Parameters

15.3.1 Electrical data at X101

rated voltage	DC	48	V
nominal voltage	DC	61	V
power P <sub>PoE</sub>	≤	4	W
current I <sub>DC_PoE</sub>	≤	100	mA

15.3.2 Thermal data

temperature class	T5
permitted ambient temperature range	-20 °C ... +55 °C

15.3.3 Degrees of protection according to EN 60529 IP65

(16) Test and Assessment Report

BVS PP 08.2020 EG as of 2014-03-24

(17) Special conditions for safe use

None

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 EXAM GmbH  
44809 Bochum, 2014-03-24  
BVS-Hk/Ma A 20120526



Certification body



Special services unit