



Translation

Type Examination Certificate

- Directive 94/9/EC -

**Equipment and protective systems intended for use
in potentially explosive atmospheres**

BVS 07 ATEX E 098

- (4) **Equipment:** Phone type FernTel 3 Z2
- (5) **Manufacturer:** FHF Funke + Huster Fernsig GmbH
- (6) **Address:** 45478 Mülheim an der Ruhr, Germany
- (7) The design and construction of this equipment and any acceptable variation thereto are specified in the schedule 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 07.2101 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' |
| EN 61241-0:2006 | General requirements |
| EN 61241-1:2004 | Protection by enclosures |
- (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, 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:

 **II 3G Ex nAnL IIC T5**
II 3D Ex tD A22 IP65 T 80 °C

DEKRA EXAM GmbH

Bochum, dated 12. September 2007

Signed: Dr. Eickhoff

Certification body

Signed: Leiendecker

Special services unit

(13) Appendix to

(14) **Type Examination Certificate**

BVS 07 ATEX E 098

(15) 15.1 Subject and type
Telefon type FernTel 3 Z2

15.2 Description

The Phone type FernTel 3 Z2 is used as a stationary equipment or as a tabletop unit. It meets the requirements of category 3G and category 3D.

15.3 Parameters

15.3.1	Electrical data		
	voltage	DC	66 V
		AC	90 V
15.3.2	Thermal data		
	max. surface temperature	T	80 °C
	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 07.2101 EG as of 12.09.2007

(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.

44809 Bochum, 12. September 2007
BVS-Hk/Sz A 20060839

DEKRA EXAM GmbH



Certification body



Special services unit

Translation

(1) 1st 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 07 ATEX E 098**
- (4) Equipment : **Phone type FernTel 3 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 07.2101 EG.
- (9) The Essential Health and Safety Requirements are assured by compliance with:
- | | |
|--------------------------|---|
| EN 60079-0:2012 | General requirements |
| EN 60079-11:2012 | Intrinsic safety 'i' |
| EN 60079-15:2010 | Equipment protection by type of protection 'n' |
| IEC 60079-31:2013 | Protection by enclosure 't' |
- (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:



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

DEKRA EXAM GmbH
Bochum, dated 2014-03-13

Signed: Simanski

Certification body

Signed: Dr. Wittler

Special services unit

- (13) Appendix to
- (14) **1st Supplement to the Type Examination Certificate
BVS 07 ATEX E 098**

(15) 15.1 Subject and type
Phone type FernTel 3 Z2

15.2 Description

The Phone type FernTel 3 Z2 is used as a stationary equipment or as a tabletop unit. 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			
	voltage	DC	66	V
		AC	90	V
15.3.2	Thermal data			
	max. surface temperature	T	80 °C	
	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 07.2101 EG as of 2014-03-13

(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, 2014-03-13
BVS-Hk/Ma A 20120524



Certification body



Special services unit

Translation

Type Examination Certificate Supplement 2

Change to Directive 2014/34/EU

2 Equipment intended for use in potentially explosive atmospheres
Directive 2014/34/EU

3 Type Examination Certificate Number: **BVS 07 ATEX E 098**

4 Product: **Telephone type FernTel 3 Z2**

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

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

7 This supplementary certificate extends Type Examination Certificate No. BVS 07 ATEX E 098 to apply to products designed and constructed in accordance with the specification set out in the appendix of the said certificate but having any variations specified in the appendix attached to this certificate and the documents referred to therein.

8 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. PP 07.2101 EU.

9 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"

Except in respect of those requirements listed under item 18 of the appendix.

10 If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Special Conditions for Use specified in the appendix to this certificate.

11 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.

12 The marking of the product shall include the following:

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

DEKRA Testing and Certification GmbH
Bochum, 2019-02-27

Signed: Jörg-Timm Kilisch

Managing director

13 **Appendix**
 14 **Type Examination Certificate**

BVS 07 ATEX E 098
Supplement 2

15 **Product description**

15.1 **Subject and type**

Telephone type FernTel 3 Z2

15.2 **Description**

With this supplement the certificate is changed to Directive 2014/34/EU.
 (Annotation: In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016.)

Reason for the supplement:

- Change to Directive 2014/34/EU
- Updating to the current version of standards, the until now mentioned type of protection changes from Ex nA to Ex ec and the marking of the device will be modified.

Description of Product

The Phone type FernTel 3 Z2 is used as a stationary equipment or as a tabletop unit. It meets the requirements of category 3G and category 3D.

It may only be operated on the public analogue telephone network and on analogue connections of private branch exchanges.

Listing of all components used referring to older standards

Subject and type	Certificate	Standards
Cable glands and plugs (Bimed Company) Type HIBM-X2S, -X02S Type HITP-X1S, -X02S Type BPT-X4	IMQ 13 ATEX 010X	EN 60079-0:2012+A11:2013 *) EN 60079-7:2015 EN 60079-31:2014

*) Technical differences evaluated and found satisfactory

15.3 **Parameters**

15.3.1 **Electrical data**

Voltage Um

DC 66 V
 AC 90 V

15.3.2 **Thermal data**

max. surface temperature T

80 °C

Temperature class

T5

Permitted ambient temperature range

-20 °C... +55 °C

15.3.3 **Degrees of protection according to EN 60529**

IP65

16 **Report Number**
BVS PP 07.2101 EU, as of 2019-02-27

17 **Special Conditions for Use**
None

18 **Essential Health and Safety Requirements**
The Essential Health and Safety Requirements are covered by the standards listed under item 9.
For this product the standard EN IEC 60079-0:2018 is equivalent to the harmonized standard EN 60079-0:2012 + A11:2013 in terms of safety.

19 **Drawings and Documents**
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, 2019-02-27
BVS-Hn/Hk/VKA A20180526



Managing director