IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres
for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	**IECEx BVS 08.0009X**	Page 1 of 4
Status:	**Current**	Issue No: 3
Date of Issue:	2025-03-27	

Applicant: **FHF Funke + Huster Fernsig GmbH**
Gewerbeallee 15-19
45478 Mülheim an der Ruhr
Germany

Equipment: **Telephone type FernTel IP4 Z2**

Optional accessory:

Type of Protection: **Intrinsic safety "i", Increased safety "e", Protection by enclosure "t"**

Marking:

Ex ec ic IIC T5 Gc

Ex tc ic IIIC T85°C Dc

Approved for issue on behalf of the IECEx Certification Body:	**Deniz Pezzutto**
Position:	**Certification Manager**
Signature: (for printed version)	2025-04-09
Date: (for printed version)	

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.

Certificate issued by:

DEKRA Testing and Certification GmbH
Certification Body
Dinnendahlstrasse 9
44809 Bochum
Germany

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Manufacturer:

FHF Funke + Huster Fernsig GmbH
Gewerbeallee 15-19
45478 Mülheim an der Ruhr
Germany

Manufacturing locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements.This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :
The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017
Edition:7.0

Explosive atmospheres - Part 0: Equipment - General requirements

IEC 60079-11:2011
Edition:6.0

Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"

IEC 60079-31:2013
Edition:2

Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"

IEC 60079-7:2017
Edition:5.1

Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

This Certificate **does not** indicate compliance with safety and performance requirements
other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

DE/BVS/ExTR08.0011/03

Quality Assessment Report:

DE/BVS/QAR07.0004/18

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

see Annex

SPECIFIC CONDITIONS OF USE: YES as shown below:
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.

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
-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

Annex:

BVS_08_0009X_Funker_Husster_issue_1.pdf

Subject and Type

Telephone type FernTel IP4 Z2

Description

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 for EPL Gc and EPL Dc.

Parameters

Electrical data at X501

Max. voltage	U_m	57	V DC
Power P_ PoE	≤	12.95	W
Current IDC_ PoE	≤	350	mA

Electrical data at X100.3 / X100.4

Max. voltage	U_m	53	V DC
Max. current	I_m	658	mA DC
Max. power	P_m	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	U_{mDC}	53	V DC or
Max. voltage	U_{mAC}	30	V AC
Max. current	I_{mDC}	1	A DC
Max. current	I_{mAC}	1	A AC
Max. power	P	15	W

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

List of all components used with reference to older standards
None