



[1] **EU-TYPE EXAMINATION CERTIFICATE - Translation**

[2] Equipment or protective systems
intended for use in potentially explosive atmospheres, Directive 2014/34/EU

[3] EU-type examination certificate number **IBExU13ATEX1052** | Issue 2

[4] Product: **DECT Handset**
Open Stage M3 Ex **Open Stage M3 Ex Plus**
Type: S30852-S2471-R121-x Type: S30852-S2471-R141-x

[5] Manufacturer: Unify Software and Solutions GmbH & Co. KG

[6] Address: Otto-Hahn-Ring 6
81739 München
GERMANY

[7] This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] IBExU Institut für Sicherheitstechnik GmbH, notified body number 0637 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 test report IB-19-3-0160.

[9] Compliance with the essential health and safety requirements has been assured by compliance with:
EN IEC 60079-0:2018, EN 60079-11:2012 and EN 60079-31:2014
except in respect of those requirements listed at item [18] of the schedule.

[10] If the sign "X" is placed after the certificate number, it indicates that the product is subject to the specific conditions of use specified in the schedule to this certificate.

[11] This EU-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 2G Ex ib IIC T4 Gb
 II 2D Ex tb IIC T120 °C Db
-10 °C ≤ Ta ≤ +55 °C

IBExU Institut für Sicherheitstechnik GmbH
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By order

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Certificates without signature and seal are not valid. Certificates may only be duplicated completely and unchanged. In case of dispute, the German text shall prevail.

Freiberg, 2020-02-11

[13] Schedule**[14] Certificate number IBExU13ATEX1052 | Issue 2****[15] Description of product**

The DECT handset for use in hazardous areas consists of a plastic case with integrated antenna and Li-ion battery. It can also be used with the appertaining leather case or carrying clip. The battery may only be charged outside the hazardous area using a charging station (NAG) or USB interface. The "x" in the type designation stands for a continuous character string to distinguish the equipment documentation.

Technical data

Ambient temperature range:	-10 °C up to +55 °C
DECT HF peak power:	< 159 mW
Bluetooth HF peak power:	< 2.5 mW
Degree of protection of the case:	IP 64 (EN 60529)

<u>Li-ion battery</u>	V30145-K1310-X453
Rated voltage:	3.7 V
Rated capacity:	1000 mAh

<u>Charger incl. plug-in power supply (NAG)</u>	S30852-H2486-R101/L101
Supply voltage:	230 V
Rated voltage:	10 V
Rated current:	637 mA (fuse 750 mA)

<u>USB interface</u>	internal connection in battery compartment
Rated voltage:	5.0 V
Rated current:	200 mA (fuse 250 mA)

*Variations compared to issue 1 of this certificate:**Variation 1*

The manufacturer address has changed.

Variation 2

The equipment also meets the requirements of the EN IEC 60079-0:2018 standard.

Variation x

Alternative components may be used.

[16] Test report

The test results are recorded in the confidential test report IB-19-3-0160 of 2020-02-11.

The test documents are part of the test report and they are listed there.

Summary of the test results

The DECT handset meets the requirements of explosion protection of Equipment Group II and Category 2G in type of protection intrinsic safety and category 2D for dust explosion protection by enclosure.

[17] Specific conditions of use

None

[18] Essential health and safety requirements

In addition to the essential health and safety requirements (EHSRs) covered by the standards listed at item [9], the following are considered relevant to this product, and conformity is demonstrated in the test report:

None

[19] Drawings and Documents

The documents are listed in the test report.

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