



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 ULD 23.0003X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2024-04-22

Applicant: **Weidmüller Interface GmbH & Co. KG**
Klingenbergstrasse 26
Detmold 32758
Germany

Equipment: **u-sense Vibration Monitor for Rotating Machines, US67-VxT-BLE, where 'x' denotes a number pertaining to sensitivity of the sensor.**

Optional accessory:

Type of Protection: **Increased Safety "ec", Dust Ignition Protection by Enclosure "tc"**

Marking: Ex ec IIC T4 Gc
Ex tc IIIC T65°C Dc
-20 °C ≤ Tamb ≤ +60 °C

Approved for issue on behalf of the IECEx
Certification Body:

Lucy Frieders

Position:

Staff Engineer

Signature:
(for printed version)

Date:
(for printed version)

2024-04-22

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:

UL International DEMKO A/S
Borupvang 5A
DK-2750 Ballerup
Denmark





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Manufacturer: **Weidmüller Interface GmbH & Co. KG**
Klingenbergstrasse 26
Detmold 32758
Germany

Manufacturing locations: **Weidmüller Interface GmbH & Co. KG**
Klingenbergstrasse 26
Detmold 32758
Germany

Weidmüller Interface GmbH & Co. KG
Klingenbergstrasse 16
32758 Detmold
Germany

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](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

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:

[DK/ULD/ExTR23.0003/00](#)

Quality Assessment Report:

[NL/DEK/QAR12.0052/09](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Weidmüller u-sense Smart Sensors are intended to be retrofitted to common industrial systems. The sensors are designed for vibration monitoring mechanical devices such as low-voltage engines, gears, pumps, ventilators etc. The modular mounting system allows installation of the sensor on various kinds of systems. Vibration sensors have a frequency range of 10 Hz to 1 kHz, at up to $\pm 8g$. The device is self-contained and battery powered and communicates via Bluetooth 5.0 LE with Long Range, and communicates with an associated Gateway device that is installed in the Safe Area.

Please see Annex for additional information.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- “WARNING - Potential Electrostatic charging hazard – See instructions” marked on the device.

The following WARNING items to appear in the installation instructions:

- Potential Electrostatic charging hazard – Clean only with a damp cloth.
- Protect the device against direct sunlight and other ultraviolet sources.
- Equipment is to be installed in an area of low risk of impact or shall be protected from impact upon installation.

Annex:

[Annex to IECEx ULD 23.0003X Issue 0.pdf](#)



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Annex to Certificate No.:

IECEX ULD 23.0003X

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PARAMETERS RELATING TO THE SAFETY

Battery operated, 3.6Vdc.

The ambient temperature range is -20°C to +60°C.

MARKING

Marking has to be readable and indelible; it has to include the following indications:

Weidmüller Weidmüller Interface GmbH & Co. KG Klingenbergstr. 26, 32758 Detmold - Germany 2751260000 US67-V1T-BLE Ta: -20°C..+60°C Lithium Battery 3.6V R6 FCC ID:2BAKG-US67-V1T-BLE SED ID:29915-US67V1TBLE MAC: SN:		
 Proc. Cont. Eq. for HazLoc CL I DIV 2 GRP ABCD T4 CL II DIV 2 GRP FG T4 E539531	AVERTISSEMENT: Risque potentiel de charge électrostatique. Lire le manuel avant d'installer et d'utiliser l'appareil.	
 II 3G Ex ec IIC T4 Gc II 3D Ex tc IIIC T65°C Dc UL 23 ATEX 2953X Ex ec IIC T4 Gc Ex tc IIIC T65°C Dc IECEX ULD 23.0003X	 WARNING: Potential electrostatic charging hazard. Read manual prior to installation and operation of unit.	