



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

Ex COMPONENT CERTIFICATE

Certificate No.: **IECEx IBE 21.0006U** Page 1 of 4 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2021-08-09

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

Ex Component: Enclosures (empty enclosures) Klippon® EBx (KEBx)

This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).

Type of Protection: **increased safety and protection by enclosures**

Marking: Ex eb IIC Gb
Ex tb IIIC Db

Approved for issue on behalf of the IECEx
Certification Body:

Alexander Henker

Position:

Deputy Head of department Certification Body

Signature:
(for printed version)

Date:

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:

IBExU Institut für Sicherheitstechnik GmbH
Fuchsmühlenweg 7
09599 Freiberg
Germany





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

Additional
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](#) 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:

[DE/IBE/ExTR21.0006/00](#)

Quality Assessment Report:

[NL/DEK/QAR12.0052/07](#)



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Ex Component(s) covered by this certificate is described below:

The enclosures (empty enclosures) of series Klippon® EBx (KEBx) is built of uncoated or coated stainless steel 304/1.4301 or 316/1.4404 or metallurgical competitive. Gland plates are made of uncoated or coated stainless steel or brass covers. The lid of the enclosures is closed either with hinge screws (HS) or with quarter lock (QL).

Type code

K EBx HS 20 20 15S2 B 1A C

| | |
|------------------|---|
| Klippon | Brand Name |
| Essential Box Ex | Enclosure Series |
| Closing System | Hinge Screw |
| | Quarter lock |
| Size Width | in mm |
| Size Hight | in mm |
| Size Depth | in mm |
| Material | S2/304 |
| | S4/316 |
| Skin | B: Brushed |
| | P: Painted |
| | E: Electro polished |
| Gland Plate | 0 without glandplate |
| | 1 with 1 glandplate on bottom site |
| Version | A --> Original Design |
| | B --> Alternative Design |
| | C --> Alternative Design Welded Mounting feet |
| | D --> Alternative Design ... |
| Gasket | C --> Foamed Lid SE350S GP |
| | D --> Both SE350S |

Technical data

| Type | min. length mm | max. length mm | min. width mm | max. width mm | min. height mm | max. height mm |
|------------|-------------------|-------------------|------------------|------------------|-------------------|-------------------|
| KEBx QL... | 200 | 800 | 200 | 600 | 150 | 300 |
| KEBx HS... | 200 | 800 | 200 | 600 | 150 | 300 |

Degree of protection (IP code) according EN 60529: IP66



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Service temperature range: -55 °C ... +135 °C

SCHEDULE OF LIMITATIONS:

- The empty enclosures of the Klippon® EBx (KEBx) product family are intended to hold approved components and/or devices. Ready-to-use assembled enclosures must be assessed and approved by a certified body.
- It is not allowed, to use powder painted enclosures in areas, where due to the process a static charge is possible.