



# 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](http://www.iecex.com)

### Ex COMPONENT CERTIFICATE

Certificate No.: **IECEx IBE 21.0006U**

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[Certificate history](#):

Status: **Current**

Issue No: 0

Date of Issue: 2021-08-09

Applicant: **Weidmüller Interface GmbH & Co. KG**  
Klingenbergsstrasse 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:

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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](http://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**  
Klingenbergrasse 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 Height	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.