



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 09.0018U**

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Certificate history:

Status: **Current**

Issue No: 2

[Issue 1 \(2017-06-09\)](#)

[Issue 0 \(2010-01-26\)](#)

Date of Issue: 2021-11-04

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

Ex Component: Empty enclosure Klippon® STB...

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 "e"; dust ignition protection by enclosure "t"**

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 Reports:

[DE/IBE/ExTR09.0016/00](#)

[DE/IBE/ExTR09.0016/01](#)

[DE/IBE/ExTR09.0016/02](#)

Quality Assessment Report:

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



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

The empty enclosure of type Klippon STB... is used as an Ex-component enclosure that can be equipped with other approved components such as cable glands and terminals for cross-connections of conductors. The enclosure consists of a bottom section and a cover made of stainless steel. The cover is locked by fastening screws; sealing is provided by means of a silicone gasket. The empty enclosure can be used for the types of protection "e" (increased safety) and "t" (dust ignition protection by enclosure) in potentially explosive gas and dust atmospheres of zone 1 and 21. If all electrical circuits are intrinsically safe with level of protection "ia", the enclosure can also be used in zone 0.

Technical data

Service temperature range:

-60 °C...+100 °C

Degree of protection (IP):

IP66

Types

Enclosure	Width	Length	Depth
Klippon STB 1	120 mm	120 mm	80 mm
Klippon STB 1.1	120 mm	150 mm	80 mm
Klippon STB 2	150 mm	150 mm	90 mm
Klippon STB 2.1	150 mm	190 mm	90 mm
Klippon STB 3	190 mm	190 mm	100 mm
Klippon STB 4	250 mm	250 mm	120 mm
Klippon STB 5	380 mm	160 mm	120 mm
Klippon STB 6	400 mm	250 mm	130 mm

Intermediate sizes of identically constructed enclosures are possible.

Safety instructions:

- The degree of protection IP66 in accordance with IEC 60529 is only achieved by proper use of adequate cable glands and blanking elements tested and certified for explosion protection.

SCHEDULE OF LIMITATIONS:

- At the installation of components, the corresponding separation distances (clearance and creepage distances) in accordance with IEC 60079-7 and IEC 60079-11 have to be observed.
- The service temperature at the enclosure gasket must not exceed the permitted range of -60 °C to +100 °C.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

The device meets the requirements of the current standards IEC 60079-0, Ed. 7.0 and IEC 60079-7, Ed. 5.1.