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 14.0004U**

Certificate history:
Issue 1 (2016-12-22)
Issue 0 (2014-05-05)

Status: **Current**

Issue No: 2

Date of Issue: 2021-11-04

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

Ex Component: Empty endlosere Klippon® TB MH/FS/QL

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 III C 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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Certificate No.: **IECEx IBE 14.0004U**

Date of issue: 2021-11-04 Issue No: 2

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/ExTR13.0063/01 DE/IBE/ExTR13.0063/02

Quality Assessment Report:

NL/DEK/QAR12.0052/07

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

The empty enclosures of type Klippon TB FS..., abbreviated as KTB FS..., Klippon TB MH..., abbreviated as KTB MH... and Klippon TB QL..., abbreviated as KTB QL... are made of coated or uncoated stainless steel or coated mild steel. Additionally, they can contain gland plates made of the same materials or brass.

The covers are equipped with the following closing mechanism:

Fixing Screw (FS)
Quarter Lock (QL)
Multi Hinge (MH)

Technical data

Operating temperature range:

-60 °C to +135 °C (IP66)
-60 °C to +105 °C (IP66 / IP67)

Dimensions:

Type	min. length mm	max. length mm	min. width mm	max. width mm	min. height mm	max. height mm
KTB MH...	150	1250	150	1000	80	300
KTB QL...	150	980	150	740	80	300
KTB FS...	150	1500	150	1000	80	300

Identically constructed enclosures can be manufactured using intermediate sizes.

SCHEDULE OF LIMITATIONS:

- At the installation of Ex-components in the empty enclosure, the specific conditions of use / schedule of limitations specified in the respective type examination certificates have to be observed.
- The service temperature at the enclosure gasket must not exceed the permitted range of -60 °C to +135 °C.
- During mounting and operation, the minimum degree of protection IP64 is only achieved by proper use of adequate cable glands tested and certified for explosion protection.

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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.