



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEX KEM 10.0020	Issue No: 3	<u>Certificate history:</u> Issue No. 3 (2012-10-16) Issue No. 2 (2011-08-12) Issue No. 1 (2011-01-17) Issue No. 0 (2010-11-03)
Status:	Current	Page 1 of 4	
Date of Issue:	2012-10-16		
Applicant:	Weidmüller Interface GmbH & Co. Klingenbergstraße 16 32758 Detmold Germany		
Equipment:	Junction Box Series Klippon TB QL... (KTB QL...)		
<i>Optional accessory:</i>			
Type of Protection:	Ex eb, Ex ia, Ex tb		
Marking:	Ex eb IIC T6...T4 or Ex e IIC T6...T4 Gb Ex ia IIC T6...T4 or Ex ia IIC T6...T4 Ga Ex eb ia IIC T6...T4 or Ex e ia IIC T6...T4 Gb Ex tb IIIC T85 °C...T135 °C IP66 or Ex tb IIIC T85 °C...T135 °C Db IP66		

Approved for issue on behalf of the IECEx
Certification Body:

C.G. van Es

Position:

Certification Manager

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

DEKRA Certification B.V.
Utrechtseweg 310
6812 AR Arnhem
The Netherlands





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Manufacturer: **Weidmüller Interface GmbH & Co.**
Klingenbergstraße 16
32758 Detmold
Germany

Additional Manufacturing location(s):

Weidmüller Pty Ltd
43 Huntingwood Road
Huntingwood NSW
Australia

Weidmüller Interface GmbH & Co.
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 electrical apparatus 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 : 2007-10 Edition:5	Explosive atmospheres - Part 0:Equipment - General requirements
IEC 60079-11 : 2006 Edition:5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-26 : 2006 Edition:2	Explosive atmospheres - Part 26: Equipment with equipment protection level (EPL) Ga
IEC 60079-31 : 2008 Edition:1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'
IEC 60079-7 : 2006-07 Edition:4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*This Certificate **does not** indicate compliance with electrical 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:

[NL/KEM/ExTR10.0010/00](#)
[NL/KEM/ExTR10.0010/03](#)

[NL/KEM/ExTR10.0010/01](#)

[NL/KEM/ExTR10.0010/02](#)

Quality Assessment Report:

[AU/ITA/QAR07.0004/05](#)

[NL/DEK/QAR12.0052/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Junction Boxes Series Klippon TB QL..., abbreviated as KTB QL..., are made of stainless steel or coated mild steel, they comprise covers with Quarter Lock (QL) closing mechanism and terminals. Optionally a document holder, door stay, label holder, metallic and non-metallic marking plate as defined in the test documentation can be used. Gland plates are provided in stainless steel, coated mild steel or brass.

The relation between ambient temperature, temperature class and maximum surface temperature is listed in the table below:

Ambient temperature	Temperature class	Max. surface temperature
-60 °C to +40 °C	T6	T85 °C
-60 °C to +55 °C	T5	T100 °C
-60 °C to +55 °C	T4	T135 °C

Electrical data

Rated voltage: max. 1 100 V
Rated current: max. 630 A
Conductor cross section: max. 300 mm²

The above listed ratings are maximum values. The actual electrical values depend on the applied terminals. The manufacturer specifies these actual electrical values in the context of the above maximum values to the applicable standards, taken net conditions, mode of operations, category etc. in account.

CONDITIONS OF CERTIFICATION: NO



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 3:

The following changes have been assessed:

- update of the Enclosure Series Klippon TB with an alternative brass gland plate;
- update of the Enclosure Series Klippon TB with an optional metallic and non-metallic marking plate;
- update of the Junction Boxes with selection criteria for the use of terminals;
- editorial document changes.