



UNITED KINGDOM CONFORMITY ASSESSMENT

UK TYPE EXAMINATION CERTIFICATE

Product or Protective System Intended for use in Potentially Explosive Atmospheres

UKSI 2016:1107 (as amended) – Schedule 3A, Part 1

Type Examination Certificate No.: **TÜV 22 UKEX 7100** Issue: **00**
Product: **Control and distribution box, Type Klippon® STB...**
Manufacturer: **Weidmüller Interface GmbH & Co. KG**
Address: **Klingenbergstr. 26**
32758 Detmold; Germany

This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

TUV Rheinland UK Ltd, Approved Body number 2571, in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.

The examination and test results are recorded in the confidential report 557 / UKEx 7100.00 / 22.

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018

**EN IEC 60079-7: 2015 /
A1:2018**

EN 60079-11: 2012

EN 60079-31: 2014

Except in respect of those requirements listed at section 18 of the schedule to this certificate.

If the sign "X" is placed after the certificate number, it indicates that the product is subject to specific conditions of use specified in the schedule to this certificate.

This TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

The marking of this product shall include the following:



II 2 G Ex eb IIC T6...T4 Gb
II 2(1) G Ex eb ia IIC T6...T4 Gb
II 1 G Ex ia IIC T6...T4 Ga
II 2 D Ex tb IIIC T80°C...T100°C Db
-60 °C ≤ T_a ≤ +40/+55/+60 °C

This certificate and its schedules may only be reproduced in its entirety and without change.

TUV Rheinland UK Ltd

Solihull, 2022-06-17


Dipl.-Ing. Klauspeter Graffi

This Type Examination Certificate without signature shall not be valid. Alterations are subject to approval by
TUV Rheinland UK Ltd, 1011 Stratford Road, Shirley, Solihull, B90 4BN, Tel. +44 (0) 121 7969400
A UKAS accredited certification body, No. 8400

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Precisely Right.

15 Description of Product

Control and distribution box, Type Klippon® STB...

The control and distribution of type Klippon® STB... is used as a general purpose connection and junction box that can be equipped with approved components such as cable glands and terminals for cross-connections of conductors in compliance with the thermal requirements of the respective temperature class. 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 control and distribution box 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:

| | | |
|----------------------------------|-------------------------|------------------|
| Ambient temperature range: | T6 / T80 °C | -60 °C to +40 °C |
| | T5 / T95 °C | -60 °C to +55 °C |
| | T4 / T100 °C | -60 °C to +90 °C |
| Degree of ingress protection: | IP64/ IP65 / IP66 | |
| Rated voltage: | max. 1100 V AC | |
| Rated current | max. 453 A | |
| Phase conductor cross-section: | max. 300mm ² | |
| Earthing conductor cross-section | to 150mm ² | |

Dimensions:

| | length | width | 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 | 250mm | 130 mm |

Intermediate sizes of identically constructed enclosures are possible.

These values are maximum values. The actual values are determined by the installed components / terminals. The manufacturer specifies the rated values in the context of these maximum values and ensures compliance with the maximum surface temperature of the equipment and the permissible operating temperature of the components / terminals. The actual rated values are indicated on the individual marking plates and in the manufacturer's instructions.

16 Test report No. (associated with this certificate issue): 557 / UKEx 7100.00 / 22

Safety instructions:

- The required minimum degree of protection IP64 in accordance with IEC 60529 is only achieved by proper use of adequate cable glands and blanking elements tested and certified for explosion protection.

17 Specific Conditions of Use

None

- 13 SCHEDULE TO UK TYPE EXAMINATION CERTIFICATE
- 14 CERTIFICATE NUMBER TÜV 22 UKEX 7100



18 Essential Health and Safety Requirements (Regulations Schedule 1)

In addition to the Essential Health and Safety Requirements covered by the standards listed at item 9, all other requirements are demonstrated in the relevant reports.

19 Drawings and Documents

| Reg. no. | Document title: | Document no.: | Rev.: | Date: |
|----------|--------------------------|-------------------|-------|-------|
| | Compliance drawings pack | Multiple drawings | 0 | 11/21 |