

# Certificate of Compliance

Certificate Number **20100816-E243298**  
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*Issued to:* **WEIDMUELLER INTERFACE GMBH & CO KG**  
**KLINGENBERGSTR 16**  
**32758 DETMOLD GERMANY**

*This is to certify that representative samples of*


**CABINETS AND CUTOUT BOXES**  
USL, CNL - Cabinets and Cut Out Boxes, Enclosure Series, Models Klippon TB, followed by MH, followed by additional suffix numbers. Model number may be abbreviated KTB MH, followed by additional suffix numbers.

*Have been investigated by Underwriters Laboratories Inc.® (UL) or any authorized licensee of UL in accordance with the Standard(s) indicated on this Certificate.*

*Standard(s) for Safety:* **UL 50 - ENCLOSURES FOR ELECTRICAL EQUIPMENT, NON-ENVIRONMENTAL CONSIDERATIONS - Edition 12**  
**UL 50E - ENCLOSURES FOR ELECTRICAL EQUIPMENT, ENVIRONMENTAL CONSIDERATIONS - Edition 1**

*Additional Information:* **“See UL On-Line Certification Directory at [www.UL.com](http://www.UL.com) for additional information”**

**Only those products bearing the UL Listing Mark for the US and Canada should be considered as being covered by UL's Listing and Follow-Up Service meeting the appropriate requirements for US and Canada.**

The UL Listing Mark for the US and Canada generally includes: the UL in a circle symbol with “C” and “US” identifiers:  the word “LISTED”; a control number (may be alphanumeric) assigned by UL; and the product category name (product identifier) as indicated in the appropriate UL Directory.

**Look for the UL Listing Mark on the product**

**William R. Carney**  
**Director, North American Certification Programs**  
Underwriters Laboratories Inc.

**Enclosures suitable for use in  
Class I Div 2  
according to ISA 12.12.01 (old UL 1604)  
relevant for gas groups A&B&C&D**

**Update**

*Dear Ladies and Gentlemen*

**Enclosures suitable for use in Class I Div 2 according to ISA 12.12.01 (old UL 1604) relevant for gas groups A&B&C&D**

As per the National Electrical Code (NEC), any cULus ordinary location certified enclosures are allowed to be used in Class I, Division 2 Hazardous Locations. Effectively this means that the following Weidmüller enclosure ranges can be used within Class I, Division 2 Hazardous Location:

- Klippon® TB MH (Multi-Hinge version) Stainless Steel only – please check with us first regarding previous and other versions.
- Klippon® JB
- Klippon® STB (stainless steel versions only)
- Klippon® POK (industrial versions only)
- Klippon® K (industrial versions only)

Each of these enclosures is marked with a standard cULus label and there is no additional marking required.

Additionally, please find attached the applicable NEC section to which this statement is related.

For Assembled Enclosures (terminal products)

The ISA 12.12.01 standard for the Class I Div 2 equipment refers the application of terminal blocks to the UL standard UL 1059 and UL 486e. In effect, this means that with **exception** of Fuse terminals and disconnects terminals our ordinary UL approved terminal blocks can be used with an assembled enclosure. However, for fuse terminals and disconnect terminals a separate class I DIV 2 approval would be necessary.

Note: When terminal blocks or other approved Class 1, Division 2 devices are installed within an enclosure; these enclosures are **not** explosionproof and as such will **not** contain an explosion. Any installation of arcing and sparking devices which are not Class 1, Division 2 rated or higher is **not permitted**.

Should you have any questions relating to this Technical Information, then please in the first instance, contact our product support team:

Mr Mario Schnelle      ([mario.schnelle@weidmueller.de](mailto:mario.schnelle@weidmueller.de))

or

Miss Imke Reefmann    ([imke.reefmann@weidmueller.de](mailto:imke.reefmann@weidmueller.de))

Kind Regards,

**Roger Marks**

Product Manager Enclosures

**Thomas Saringer**

Group leader Standards & Approvals

File E243298  
Project 09CA63025

August 14, 2010

REPORT

On

Cabinets and Cutout Boxes

Weidmüller Interface GmbH & Co. KG  
Detmold, Germany

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## DESCRIPTION

## PRODUCT COVERED:

USL, CNL - Cabinets and Cut Out Boxes, Enclosure Series, Models Klippon TB, followed by MH, followed by additional suffix numbers. Model number may be abbreviated KTB MH, followed by additional suffix numbers.

## GENERAL:

These enclosures are stainless steel enclosures intended for outdoor use constructed in accordance with the Standard for Enclosures for Boxes, Junction and Pull, UL50, CSA C22.2 No. 94.1-07 and UL50E, CSA C22.2 No. 94.2-07, and with the applicable description pertaining to the Type 3, 4X, and 12 construction which is described in this Report.

## RATINGS:

\* Type Rating: 3, 4X, 12

## ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE USE):

USL - Indicates investigated to UL Standard(s) UL 50, 12<sup>th</sup> edition, dated 2007-09-04 and UL 50E, 1<sup>st</sup> edition, dated 2007-09-04.

CNL - Indicates investigated to Canadian National Standard(s) C22.2 No. 94.1-07, 1<sup>st</sup> edition dated 2007-09-04 and C22.2 No. 94.2-07, 1<sup>st</sup> edition, dated 2007-09-04

Note: CNL = Canadian National Standards - Listed.  
USL = United States Standards - Listed.

## NOMENCLATURE:

Example:            Klippon KTB    MH    22    15    13  
                                  A            B            C            D            E

A - Basic Type

B - Title

MH - Multi-hinge

C - Enclosure Height (nominal dimensions)

22 - 229 mm.  
26 - 260 mm.  
30 - 306 mm.  
35 - 350 mm.  
45 - 458 mm.  
48 - 480 mm.  
49 - 490 mm.  
55 - 550 mm.  
62 - 620 mm.  
76 - 762 mm.  
91 - 914 mm.  
98 - 980 mm.

D - Enclosure Width (nominal dimensions)

15 - 152 mm.  
26 - 260 mm.  
30 - 306 mm.  
38 - 382 mm.  
45 - 450 mm  
48 - 480 mm.  
49 - 490 mm.  
50 - 508 mm.  
61 - 610 mm.  
74 - 740 mm.

E - Enclosure Depth (nominal dimensions)

13 - 130 mm.  
15 - 150 mm.  
20 - 200 mm.  
30 - 300 mm.

## GENERAL CONSTRUCTION:

- \* Corrosion Protection - All parts are of corrosion resistant materials 316 or 304 Stainless Steel **or coated mild steel**

Equipment - Grounding bolts, nuts, washers and holders for cover and case shall be provided, unless otherwise noted in the end use standard.

## MARKING:

Listee's name or trademark.

Type 3, 4X, 12 enclosure.

Marking is provided by die-stamping, ink-stamping (permanent type ink) or Recognized (PGDQ2/8 or PGJI2/8) marking labels intended for outdoor use.

Type 3 Enclosure, a Type 3 Enclosure may also be marked "Raintight" or "Dusttight".

Type 4X Enclosure, a Type 4X Enclosure may also be marked "Raintight" or "Watertight" or "Corrosion Resistant".

Type 12 Enclosure, a Type 12 Enclosure may also be marked "Driptight" or "Dusttight"

Grounding terminals shall be identified by "Equipment - Grounding Terminal", G, GR, GRD, GND, GRND, Ground, Grounding, or the like adjacent to the terminal. The IEC Ground symbol 5019 may be used.