

**KTB MH 221513 S4E1****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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Abbildung ähnlich

The Klippon® TB enclosure range provides excellent performance characteristics, even under the most difficult environmental conditions. In addition, it complies with the stricter requirements of potentially explosive atmospheres found specifically in the process or power generation industries. The Klippon® TB MH enclosure range offers further improvements to a product line that is already successfully leading the market.

The Klippon® TB MH enclosure range has the following advantages:

- Available in 15 sizes and 3 standard depths
- Equipped with up to 4 gland plates
- The gasket is protected against compression
- Completely removable padlock tab
- Cover lock outside the sealed zone
- Improved temperature performance
- IP66/IP67 protection
- Completely removable lid – without a tool
- Earthing stud in the cover and base of the enclosure
- Welded mounting feet
- International approvals

**General ordering data**

|            |                                                                                                                                                                                                                              |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | Klippon TB MH (Terminal Box - Multi Hinge), Empty enclosure, stainless steel enclosure, Height: 229 mm, Width: 152 mm, Depth: 133 mm, Gland plates: Bottom, Material: Stainless steel 1.4404 (316L), electropolished, silver |
| Order No.  | <a href="#">1194560000</a>                                                                                                                                                                                                   |
| Type       | KTB MH 221513 S4E1                                                                                                                                                                                                           |
| GTIN (EAN) | 4032248977185                                                                                                                                                                                                                |
| Qty.       | 1 pc(s).                                                                                                                                                                                                                     |

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**Technical data**
**Dimensions and weights**

|                             |         |                            |            |
|-----------------------------|---------|----------------------------|------------|
| Depth                       | 133 mm  | Depth (inches)             | 5.236 inch |
| Height                      | 229 mm  | Height (inches)            | 9.016 inch |
| Width                       | 152 mm  | Width (inches)             | 5.984 inch |
| Mounting dimension - height | 152 mm  | Mounting dimension - width | 178 mm     |
| Net weight                  | 3,060 g |                            |            |

**Temperatures**

|                       |                                  |                                                                           |
|-----------------------|----------------------------------|---------------------------------------------------------------------------|
| Operating temperature | Note: room temperature (service) | Limited to IP66 protection when used in temperatures greater than 105 °C. |
| -60 °C...135 °C       |                                  |                                                                           |

**Cable glands, left**

|     |   |     |   |
|-----|---|-----|---|
| M12 | 8 | M16 | 6 |
| M20 | 3 | M25 | 2 |
| M32 | 2 | M40 | 2 |
| M50 | 0 | M63 | 0 |
| M75 | 0 |     |   |

**Cable glands, right**

|     |   |     |   |
|-----|---|-----|---|
| M12 | 8 | M16 | 6 |
| M20 | 3 | M25 | 2 |
| M32 | 2 | M40 | 2 |
| M50 | 0 | M63 | 0 |
| M75 | 0 |     |   |

**Cable glands, top/bottom**

|     |   |     |   |
|-----|---|-----|---|
| M12 | 6 | M16 | 5 |
| M20 | 2 | M25 | 2 |
| M32 | 1 | M40 | 1 |
| M50 | 0 | M63 | 0 |
| M75 | 0 |     |   |

**Certificate numbers enclosure**

|                                          |                                                                                              |                                           |                                       |
|------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------------|
| Approval conditions                      | ATEX, CCoE, DNV, IECEx, INMETRO, KC, NEPSI, CCC, UL AEx Class Div., UL AEx Class Zone, cULus | Attestation of Conformatiy No. (AoC)      |                                       |
| Certificate No. (ATEX)                   | PTB11ATEX2019                                                                                | Certificate No. (CCOE)                    | DE PS261X 160309 001ISS06             |
| Certificate No. (DNV)                    | TAE000013S                                                                                   | Certificate No. (IECEX)                   | P461058_1                             |
| Certificate No. Electronic Box (NEPSI)   | 2020322303003289                                                                             | Certificate No. UL 508A                   | IECEXPTB11.0071                       |
| Certificate No. UL Haz.Loc.              | E223792                                                                                      | Certificate No. UL Ord.Loc.               | E223801                               |
| Certificate No. UL Terminal Box          | E223792                                                                                      | Certificate no. (INMETRO)                 | E243298                               |
| Certificate no. (cULus)                  | E243298                                                                                      | Certificate no. Terminal Box (AEx)        | IEX13.0006U                           |
| Certificate no. Terminal Box (ATEX)      | IBExU14ATEX1050                                                                              | Certificate no. Terminal Box (IECEX)      | E223792                               |
| Certificate no. Terminal Box (INMETRO)   | LMP 21.0017                                                                                  | Certificate no. Terminal Box (KOSHA)      | IECEXIBE14.0013                       |
| Certificate no. empty enclosure (ATEX)   | IBExU14ATEX1028 U                                                                            | Certificate no. empty enclosure (ECAS)    | 16-AV4BO-0245X                        |
| Certificate no. empty enclosure (IECEX)  | IECEX IBE 14.0004U                                                                           | Certificate no. empty enclosure (ECAS)    | <b>21-09-25241/<br/>E21-09-053807</b> |
| Declaration of Conformatiy No. (DoC LVD) | DE PS261X 160412 001ISS03                                                                    | Certificate no. empty enclosure (INMETRO) | LMP 21.0016U                          |

Creation date June 13, 2025 4:45:57 AM CEST

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**General information**

|                              |                                                                                                                                                               |                                 |                                                                                                   |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------------------------------------------------------------------------|
| AF size                      | 10 mm                                                                                                                                                         | Access opening: height          | 176 mm                                                                                            |
| Access opening: width        |                                                                                                                                                               | Areas of use                    | Explosive risk zone, Process industry, Oil and gas industry, Chemical industry, Offshore, Onshore |
|                              | 93 mm                                                                                                                                                         |                                 |                                                                                                   |
| Dimension of box             |                                                                                                                                                               | Enclosure attachment            | 4 welded-on mounting feet with 11 mm holes (2 slotted feet and 2 cross-shaped feet)               |
|                              | 350x390x220                                                                                                                                                   |                                 |                                                                                                   |
| Flange plate                 |                                                                                                                                                               | Flange plate mounting           | M6 hexagonal head screws 10 SW                                                                    |
|                              | Yes                                                                                                                                                           |                                 |                                                                                                   |
| Gland plates                 |                                                                                                                                                               | Impact resistance               | 7 J ATEX version, 10 J version standard                                                           |
|                              | Bottom                                                                                                                                                        |                                 |                                                                                                   |
| Integral fixing              | 4, 6 or 9 stud bolts M6 inner (female) thread                                                                                                                 | Lid                             | Yes                                                                                               |
| Lid attachment               | 4 hinges and M6 hex-head slotted screws SW10                                                                                                                  | Material                        | Stainless steel 1.4404 (316L)                                                                     |
| Material thickness of cover  | 1.5 mm                                                                                                                                                        | Material thickness of enclosure | 1.5 mm                                                                                            |
| Material thickness of flange | 3 mm                                                                                                                                                          | Max. payload                    | 14 kg                                                                                             |
| Note: protection class       | If used in temperature ranges above 105 °C, IP protection is limited to IP 66.                                                                                | Number of lid screws            |                                                                                                   |
|                              |                                                                                                                                                               |                                 | 4                                                                                                 |
| Opening angle lid            | 130 °                                                                                                                                                         | Operating temperature, max.     | 135 °C                                                                                            |
| Operating temperature, min.  | -60 °C                                                                                                                                                        | Overall dimensions              | 240 x 203 x 148                                                                                   |
| Position PE bolts            | Enclosure side C                                                                                                                                              | Protection class (UL)           | Type 3, Type 4X, Type 12                                                                          |
| Protection degree            | IP66, IP67                                                                                                                                                    | Seal material                   | Silicone                                                                                          |
| Standards                    | DIN EN 62208 - Empty enclosure standard, DIN EN 61373 Class 1B**, DIN EN 15085-2, EN 60079-0, EN 60079-7, EN 60079-31, IEC 60079-0, IEC 60079-7, IEC 60079-31 | Surface finish                  |                                                                                                   |
|                              |                                                                                                                                                               |                                 | electropolished                                                                                   |
| Torque for lid screws        | 2.5 Nm                                                                                                                                                        |                                 |                                                                                                   |

**Housing earth**

|                            |                                                                    |                            |                                             |
|----------------------------|--------------------------------------------------------------------|----------------------------|---------------------------------------------|
| Earth, enclosure, cover    | Welded-on M6 stainless-steel earth stud in enclosure body and lid. | Earth, enclosure, external | Continuous M10 earth stud in body enclosure |
| Earth, enclosure, internal | Welded-on M6 stainless-steel earth stud in enclosure body and lid. |                            |                                             |

**horizontal assembly**

|                             |      |                 |     |
|-----------------------------|------|-----------------|-----|
| WDU 10 / ZDU 10             | 1x4  | WDU 16 / ZDU 16 | 1x3 |
| WDU 2,5 / ZDU 2,5 / IDU 2,5 | 1x10 | WDU 35 / ZDU 35 | 1x2 |
| WDU 4 / ZDU 4               | 1x8  | WDU 6 / ZDU 6   | 1x6 |

**vertical assembly**

|                             |      |                 |      |
|-----------------------------|------|-----------------|------|
| WDU 10 / ZDU 10             | 1x13 | WDU 16 / ZDU 16 | 1x10 |
| WDU 2,5 / ZDU 2,5 / IDU 2,5 | 1x26 | WDU 35 / ZDU 35 | 1x7  |
| WDU 4 / ZDU 4               | 1x21 | WDU 6 / ZDU 6   | 1x16 |

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## Technical data

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002503    | ETIM 7.0    | EC002503    |
| ETIM 8.0    | EC002503    | ETIM 9.0    | EC002503    |
| ETIM 10.0   | EC002503    | ECLASS 9.0  | 27-18-05-02 |
| ECLASS 9.1  | 27-18-05-02 | ECLASS 10.0 | 27-18-05-02 |
| ECLASS 11.0 | 27-18-05-02 | ECLASS 12.0 | 27-18-05-02 |
| ECLASS 13.0 | 27-18-05-02 | ECLASS 14.0 | 27-18-05-02 |
| ECLASS 15.0 | 27-18-05-02 |             |             |

## Environmental Product Compliance

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status               | Compliant with exemption             |
| RoHS Exemption (if applicable/known) | 6c                                   |
| REACH SVHC                           | Lead 7439-92-1                       |
| SCIP                                 | 8d5fcdfe-c58e-44e1-a6b4-74d2bbccc9dd |

## Approvals

Approvals



Approvals MAMID

[https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319217/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319217/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319219/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319219/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319222/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319228/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319234/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319234/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319239/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319239/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319240/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319240/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319242/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319242/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319243/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319243/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319245/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319245/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319251/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319251/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319254/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319254/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319260/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/)

|                         |            |
|-------------------------|------------|
| ROHS                    | Conform    |
| UL File Number Search   | UL Website |
| Certificate no. (cULus) | E243298    |

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## Technical data

### Downloads

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">CCC 2020322303002358 KTB Assembly Enclosure</a><br><a href="#">CCC 2020322303002357 KTB Empty Enclosure</a><br><a href="#">CERTIFICADO - LMP 21.0016U INVOLUCRO VAZIO KLIPPON TB FS... (KTB FS), TB MH... (KTB MH), TB QL... (KTB QL) (Rev.02)</a><br><a href="#">Attestation of Conformity - Klippon TB Empty Enclosures - AoC DE PS261X 160309 001ISS06</a><br><a href="#">UKCA Attestation of Conformity - Klippon TB Empty Enclosures - AoC UKCA DE PS261X 220623 000ISS00</a><br><a href="#">IBEXU14ATEX1028U</a><br><a href="#">IBEXU14ATEX1050</a><br><a href="#">IECEXIBE14.0004U</a><br><a href="#">IECEXIBE14.0013</a><br><a href="#">TAE000013S</a><br><a href="#">IECEXPTB11.0071</a><br><a href="#">PTB11ATEX2019</a><br><a href="#">16-AV4BO-245X</a><br><a href="#">P4610581_1</a><br><a href="#">24-01-100099/E24-01-102546/NB10</a><br><a href="#">CERTIFICADO LMP 21.0017 KLIPPON TB</a><br><a href="#">EU Declaration of Conformity - Klippon TB Empty Enclosures - DoC DE PS261X 160412 001ISS03</a><br><a href="#">UKCA Declaration of Conformity - Klippon TB Empty Enclosures - UKCA DE PS261X 220623 001ISS00</a><br><a href="#">DoM Railway applications - Fire protection on railway vehicles</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Tender specification                        | <a href="#">Klippon TB MH 221513 S4E1_1194560000_DE</a><br><a href="#">Klippon TB MH 221513 S4E1_1194560000_EN</a><br><a href="#">Klippon TB MH 221513 S4E1_1194560000_NL</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| User Documentation                          | <a href="#">Assembly guidelines - empty enclosures</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Brochures                                   | <a href="#">MB OVERV. PROCESS WD DE</a><br><a href="#">MB KLIPPON ENCL.TECN EN</a><br><a href="#">MB PROCESS EN</a><br><a href="#">FL WIND 2012 EN</a><br><a href="#">FL APPL PROCESS EN</a><br><a href="#">FL SHIPBUILDING 2016 EN</a><br><a href="#">FL RAILWAY 2014 EN</a><br><a href="#">PI KLIPPON TB MH QL EN</a><br><a href="#">PI KLIPPON TB MH QL EN</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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# Drawings

## Dimensioned drawing

