Data sheet

# KTB MH 303015 S4E4

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

## Similar to illustration



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: 306 mm, Width: 306 mm, Depth: 150 mm, Gland plates: Bottom, top, left, right, Basic material: Stainless steel 1.4404 (316L), electropolished, silver |
| Order No. | 1194740000 |
| Type | KTB MH 303015 S4E4 |
| GTIN (EAN) | 4032248977444 |
| Qty. | 1 items |

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## Technical data

### Approvals

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

### Dimensions and weights

| | | | |
|---|---|---|---|
| Depth | 150 mm | Depth (inches) | 5.9055 inch |
| Height | 306 mm | Height (inches) | 12.0472 inch |
| Width | 306 mm | Width (inches) | 12.0472 inch |
| Mounting dimension - height | 203 mm | Mounting dimension - width | 362 mm |
| Net weight | 7660 g | | |

### Temperatures

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

### 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 |

### Cable glands, left

| | | | |
|---|---|---|---|
| M63 | 0 | M75 | 0 |
| M12 | 20 | M50 | 2 |
| M16 | 11 | M32 | 3 |
| M25 | 4 | M20 | 9 |
| M40 | 3 | | |

### Cable glands, right

| | | | |
|---|---|---|---|
| M25 | 4 | M63 | 0 |
| M75 | 0 | M16 | 11 |
| M40 | 3 | M50 | 2 |
| M32 | 3 | M20 | 9 |
| M12 | 20 | | |

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# Technical data

### Cable glands, top/bottom

| | | | |
|---|---|---|---|
| M20 | 11 | M12 | 24 |
| M63 | 0 | M40 | 3 |
| M32 | 4 | M25 | 5 |
| M50 | 3 | M75 | 0 |
| M16 | 13 | | |

### Certificate numbers enclosure

| | | | |
|---|---|---|---|
| Certificate No. UL Haz.Loc. | E223792 | Declaration of Conformatiy No. (DoC LVD) | DE PS261X 160412 001ISS03 |
| Certificate No. UL Ord.Loc. | E243298 | Certificate No. UL 508A | E223801 |
| Attestation of Conformatiy No. (AoC) | DE PS261X 160309 001ISS06 | Certificate No. UL Terminal Box | E223792 |
| Certificate No. Electronic Box (NEPSI) | 2020322303003289 | Certificate no. empty enclosure (ECAS) | 21-09-25241/ E21-09-053807 |
| Certificate no. Terminal Box (KOSHA) | 16-AV4BO-0245X | Certificate no. empty enclosure (INMETRO) | LMP 21.0016U |
| Certificate No. (DNV) | TAE000013S | Certificate no. Terminal Box (AEx) | E223792 |
| Certificate No. (CCOE) | P461058_1 | Certificate no. Terminal Box (ATEX) | IBExU14ATEX1050 |
| Certificate no. empty enclosure (ATEX) | IBExU14ATEX1028 U | Certificate no. Terminal Box (INMETRO) | LMP 21.0017 |
| Certificate no. (INMETRO) | IEX13.0007 | Certificate no. Terminal Box (IECEx) | IECEXIBE14.0013 |
| Certificate no. empty enclosure (IECEx) | IECEx IBE 14.0004U | Certificate No. (IECEX) | IECEXPTB11.0071 |
| Certificate No. (ATEX) | PTB11ATEX2019 | Approval conditions | ATEX, CCoE, DNV, IECEX, INMETRO, KC, NEPSI, CCC, UL AEx Class Div., UL AEx Class Zone, cULus |
| Certificate no. (cULus) | E243298 | | |

### General information

| | | | |
|---|---|---|---|
| Material thickness of cover | 1.5 mm | Material thickness of flange | 3 mm |
| Material thickness of enclosure | 1.5 mm | Operating temperature, max. | 135 °C |
| Operating temperature, min. | -60 °C | Lid attachment | 4 hinges and M6 hex-head slotted screws SW10 |
| 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 |
| Impact resistance | 7 J ATEX version, 10 J version standard | AF size | 10 mm |
| Protection degree | IP66, IP67 | Basic material | Stainless steel 1.4404 (316L) |
| Seal material | Silicone | Torque for lid screws | 2.5 Nm |
| Integral fixing | 4, 6 or 9 stud bolts M6 inner (female) thread | Enclosure attachment | 4 welded-on mounting feet with 11 mm holes (2 slotted feet and 2 cross-shaped feet) |
| Note: protection class | If used in temperature ranges above 105 °C, IP protection is limited to IP 66. | Flange plate mounting | M6 hexagonal head screws 10 SW |
| Protection class (UL) | Type 3, Type 4X, Type 12 | Number of lid screws | 4 |
| Gland plates | Bottom, top, left, right | Dimension of box | 460x500x240 |
| Access opening: width | 247 mm | Opening angle lid | 130.00 ° |

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## Technical data

| | | | |
|---|---|---|---|
| Overall dimensions | 328 x 387 x 165 | Flange plate | Yes |
| Max. payload | 37 kg | Lid | Yes |
| Access opening: height | 253 mm | Position PE bolts | Enclosure side C |
| Areas of use | Explosive risk zone, Process industry, Oil and gas industry, Chemical industry, Offshore, Onshore | | |

### 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 | 1x20 | WDU 16 / ZDU 16 | 1x16 |
| WDU 2,5 / ZDU 2,5 / IDU 2,5 | 2x40 | WDU 35 / ZDU 35 | 1x12 |
| WDU 4 / ZDU 4 | 2x33 | WDU 6 / ZDU 6 | 2x25 |

### vertical assembly

| | | | |
|---|---|---|---|
| WDU 10 / ZDU 10 | 1x20 | WDU 16 / ZDU 16 | 1x17 |
| WDU 2,5 / ZDU 2,5 / IDU 2,5 | 2x41 | WDU 35 / ZDU 35 | 1x12 |
| WDU 4 / ZDU 4 | 2x34 | WDU 6 / ZDU 6 | 2x25 |

### 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 | | |

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## Drawings

### Dimensioned drawing

