# KTB MH 484815 S4E0

**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: 480 mm, Width: 480 mm, Depth: 150 mm, Material: Stainless steel 1.4404 (316L), electropolished, silver |
| Order No. | 1195100000 |
| Type | KTB MH 484815 S4E0 |
| GTIN (EAN) | 4032248977871 |
| Qty. | 1 pc(s). |

# KTB MH 484815 S4E0

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

www.weidmueller.com

## Technical data

### Dimensions and weights

| | | | |
|---|---|---|---|
| Depth | 150 mm | Depth (inches) | 5.905 inch |
| Height | 480 mm | Height (inches) | 18.898 inch |
| Width | 480 mm | Width (inches) | 18.898 inch |
| Mounting dimension - height | 327 mm | Mounting dimension - width | 506 mm |
| Net weight | 12,160 g | | |

### Temperatures

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

### Cable glands, left

| | | | |
|---|---|---|---|
| M12 | 36 | M16 | 20 |
| M20 | 17 | M25 | 7 |
| M32 | 6 | M40 | 5 |
| M50 | 4 | M63 | 0 |
| M75 | 0 | | |

### Cable glands, right

| | | | |
|---|---|---|---|
| M12 | 36 | M16 | 20 |
| M20 | 17 | M25 | 7 |
| M32 | 6 | M40 | 5 |
| M50 | 4 | M63 | 0 |
| M75 | 0 | | |

### Cable glands, top/bottom

| | | | |
|---|---|---|---|
| M12 | 39 | M16 | 22 |
| M20 | 19 | M25 | 8 |
| M32 | 7 | M40 | 6 |
| M50 | 5 | M63 | 0 |
| M75 | 0 | | |

# KTB MH 484815 S4E0

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

www.weidmueller.com

## Technical data

### 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) | DE PS261X 160309 001ISS03 |
| Certificate No. (ATEX) | PTB11ATEX2019 | Certificate No. (CCOE) | P461058_1 |
| Certificate No. (DNV) | TAE000013S | Certificate No. (IECEX) | IECEXPTB11.0071 |
| Certificate No. Electronic Box (NEPSI) | 2020322303003289 | Certificate No. UL 508A | E223801 |
| Certificate No. UL Haz.Loc. | E223792 | Certificate No. UL Ord.Loc. | E243298 |
| Certificate No. UL Terminal Box | E223792 | Certificate no. (INMETRO) | IEX13.0006U |
| Certificate no. (cULus) | E243298 | Certificate no. Terminal Box (AEx) | E223792 |
| Certificate no. Terminal Box (ATEX) | IBExU14ATEX1050 | Certificate no. Terminal Box (IECEx) | IECEXIBE14.0013 |
| Certificate no. Terminal Box (INMETRO) | LMP 21.0017 | Certificate no. Terminal Box (KOSHA) | 16-AV4BO-0245X |
| Certificate no. empty enclosure (ATEX) | IBExU14ATEX1028 U | Certificate no. empty enclosure (ECAS) | **21-09-25241/ E21-09-053807** |
| Certificate no. empty enclosure (IECEx) | IECEx IBE 14.0004U | Certificate no. empty enclosure (INMETRO) | IEx 17.0020U |
| Declaration of Conformatiy No. (DoC LVD) | DE PS261X 160412 001ISS02 | | |

### General information

| | | | |
|---|---|---|---|
| AF size | 10 mm | Access opening: height | 427 mm |
| Access opening: width | 421 mm | Areas of use | Explosive risk zone, Process industry, Oil and gas industry, Chemical industry, Offshore, Onshore |
| Dimension of box | 640x680x240 | Enclosure attachment | 4 welded-on mounting feet with 11 mm holes (2 slotted feet and 2 cross-shaped feet) |
| Flange plate | No | Impact resistance | 7 J ATEX version, 10 J version standard |
| Integral fixing | 4, 6 or 9 stud bolts M6 inner (female) thread | 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 | Max. payload | 92 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 | 480 x 531 x 165 |
| 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 | | |

# KTB MH 484815 S4E0

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

www.weidmueller.com

## Technical data

### Housing earth

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

### horizontal assembly

| | | | |
|---|---|---|---|
| WDU 10 / ZDU 10 | 3x37 | WDU 16 / ZDU 16 | 2x31 |
| WDU 2,5 / ZDU 2,5 / IDU 2,5 | 4x74 | WDU 35 / ZDU 35 | 2x23 |
| WDU 4 / ZDU 4 | 3x62 | WDU 6 / ZDU 6 | 3x46 |

### vertical assembly

| | | | |
|---|---|---|---|
| WDU 10 / ZDU 10 | 2x38 | WDU 16 / ZDU 16 | 2x31 |
| WDU 2,5 / ZDU 2,5 / IDU 2,5 | 4x75 | WDU 35 / ZDU 35 | 1x23 |
| WDU 4 / ZDU 4 | 3x62 | WDU 6 / ZDU 6 | 3x47 |

### Classifications

| | | | |
|---|---|---|---|
| ETIM 6.0 | EC002503 | ETIM 7.0 | EC002503 |
| ETIM 8.0 | EC002503 | ETIM 9.0 | 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 | 27180502 |

### Environmental Product Compliance

| | |
|---|---|
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 8d5fcdfe-c58e-44e1-a6b4-74d2bbccc9dd |

### Approvals

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

# KTB MH 484815 S4E0

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

www.weidmueller.com

## Technical data

### Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | CCC 2020322303002358 KTB Assembly Enclosure<br>CCC 2020322303002357 KTB Empty Enclosure<br>Attestation of Conformity - Klippon TB Empty Enclosures - AoC DE PS261X 160309 001ISS06<br>IEX17.0020U<br>IBEXU14ATEX1028U<br>IBEXU14ATEX1050<br>IECEXIBE14.0004U<br>IECEXIBE14.0013<br>TAE000013S<br>GYJ14.1310X<br>IECEXPTB11.0071<br>PTB11ATEX2019<br>16-AV4BO-245X<br>P4610581_1<br>21-09-25241/E21-09-053807<br>LMP 21.0017 - CAIXA DE JUNÇÃO KLIPPON TB - KTB MH QL FS<br>EU Declaration of Conformity - Klippon TB Empty Enclosures - DoC DE PS261X 160412 001ISS03<br>DoM Railway applications - Fire protection on railway vehicles |
| Engineering Data | CAD data – STEP |
| Tender specification | Klippon TB MH 484815 S4E0_1195100000_DE<br>Klippon TB MH 484815 S4E0_1195100000_EN<br>Klippon TB MH 484815 S4E0_1195100000_NL |
| User Documentation | Assembly guidelines - empty enclosures |
| Catalogues | Catalogues in PDF-format |
| Brochures | MB OVERV. PROCESS WD DE<br>MB KLIPPON ENCL.TECN EN<br>MB PROCESS EN<br>FL WIND 2012 EN<br>FL APPL PROCESS EN<br>FL SHIPBUILDING 2016 EN<br>FL RAILWAY 2014 EN<br>PI KLIPPON TB MH QL EN |

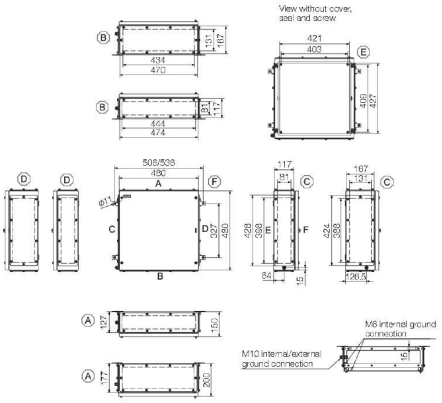
# KTB MH 484815 S4E0

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

www.weidmueller.com

## Drawings

### Dimensioned drawing



# KTB MH 484815 S4E0

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

www.weidmueller.com

## Accessories

### Earthing stud



**Integrate, expand and customise: The ideal expansion for every application**
The consistent structure of accessories for the new Klippon® TB enclosure range means that you can easily adapt the enclosure to the specific requirements of each application.
**Earthing bolt**
Earthing bolts to exchange as a complete component in two versions – brass and stainless steel.

### General ordering data

| | | |
|---|---|---|
| Type | PEBZ M10 KTB BR SET | Version |
| Order No. | 1192680000 | Klippon TB (Terminal Box), Earthing stud, Miscellaneous, Height: 21 |
| GTIN (EAN) | 4032248974641 | mm, Width: 21 mm, Depth: 48.7 mm, Material: Brass, untreated, silver |
| Qty. | 1 pc(s). | |
| Type | PEBZ M10 KTB S4 SET | Version |
| Order No. | 1192690000 | Klippon TB (Terminal Box), Earthing stud, Miscellaneous, Height: |
| GTIN (EAN) | 4032248974658 | 21 mm, Width: 21 mm, Depth: 48.7 mm, Material: Stainless steel |
| Qty. | 1 pc(s). | 1.4404, untreated, silver |

### Grounding strap

The fully structured range of system accessories for the new Klippon® TB enclosure series allows you to easily adapt the enclosures to meet the specific requirements of every application. The following options are available:
- Closure Elements
- Document holders
- Earthing stud
- Gland plates
- Installation material
- Mounting plates
- Rain hoods
- Spacer
- Terminal rails
- Type label holder

### General ordering data

| | | |
|---|---|---|
| Type | PECD WIRE 6/200/D6 SET | Version |
| Order No. | 2475490000 | Klippon TB (Terminal Box), Grounding strap, Ssrewed, Material: Steel, |
| GTIN (EAN) | 4050118487206 | Green/yellow |
| Qty. | 1 pc(s). | |

# KTB MH 484815 S4E0

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

www.weidmueller.com

## Accessories

### Document holders



**Integrate, expand and customise - the perfect supplement to every application**
The fully structured range of system accessories for the new Klippon® TB enclosure series allows you to easily adapt the enclosures to meet the specific requirements of every application.
**Document holders**
Document holders for the proper storage of documents in the enclosure

#### General ordering data

| | | |
|---|---|---|
| Type | DOHA KTB A4 S2 R | Version |
| Order No. | 1252730000 | Klippon TB (Terminal Box), Document holders, Riveted, Height: 200 |
| GTIN (EAN) | 4050118045383 | mm, Width: 240 mm, Depth: 20 mm, Material: Stainless steel 1.4301, |
| Qty. | 1 pc(s). | Mirror polished, silver |
| Type | DOHA KTB A5 S2 R | Version |
| Order No. | 1252750000 | Klippon TB (Terminal Box), Document holders, Riveted, Height: 150 |
| GTIN (EAN) | 4050118045390 | mm, Width: 180 mm, Depth: 20 mm, Material: Stainless steel 1.4301, |
| Qty. | 1 pc(s). | Mirror polished, silver |
| Type | DOHA KTB A6 S2 R | Version |
| Order No. | 1252780000 | Klippon TB (Terminal Box), Document holders, Riveted, Height: 110 |
| GTIN (EAN) | 4050118045512 | mm, Width: 130 mm, Depth: 20 mm, Material: Stainless steel 1.4301, |
| Qty. | 1 pc(s). | Mirror polished, silver |

### Type label holder



**Integrate, expand and customise: The ideal expansion for every application**
The consistent structure of accessories for the new Klippon® TB enclosure range means that you can easily adapt the enclosure to the specific requirements of each application.
**Nameplate holders**
There are a variety of designed label holders available for prominent display as required and for additional nameplates as needed.

#### General ordering data

| | | |
|---|---|---|
| Type | TPSDHA KTB 130X50 S2 R | Version |
| Order No. | 1283450000 | Klippon TB (Terminal Box), Ratings plate holder, Riveted, Height: |
| GTIN (EAN) | 4050118073621 | 50 mm, Width: 171 mm, Depth: 16.5 mm, Material: Stainless steel |
| Qty. | 1 pc(s). | 1.4301, Mirror polished, silver |
| Type | TPSDHA KTB 70X70M3 S2 R | Version |
| Order No. | 1279320000 | Klippon TB (Terminal Box), Ratings plate holder, Riveted, Height: 70 |
| GTIN (EAN) | 4050118070101 | mm, Width: 70 mm, Depth: 20 mm, Material: Stainless steel 1.4301, |
| Qty. | 1 pc(s). | Mirror polished, silver |
| Type | TPSDHA KTB 100X25 S2 2R | Version |
| Order No. | 1257640000 | Klippon TB (Terminal Box), Ratings plate holder, Riveted, Height: |
| GTIN (EAN) | 4050118070354 | 25 mm, Width: 141 mm, Depth: 16.5 mm, Material: Stainless steel |
| Qty. | 1 pc(s). | 1.4301, Mirror polished, silver |

# KTB MH 484815 S4E0

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

www.weidmueller.com

## Accessories

### Stainless steel 1.4404 (316L)



**Integrate, expand and customise: The ideal expansion for every application**
The consistent structure of accessories for the new Klippon® TB enclosure range means that you can easily adapt the enclosure to the specific requirements of each application.
**Rain Covers**
The rain cover provides an ideal, additional level of protection for the enclosure if it is installed in unusual climatic zones with, for instance, very heavy rainfall or extreme levels of direct sunlight.

#### General ordering data

| | | |
|---|---|---|
| Type | KTB RNHD 484815 S4E R | Version |
| Order No. | 1314220000 | Klippon TB (Terminal Box), Rain hood, Height: 53.4 mm, Width: 485 |
| GTIN (EAN) | 4050118117493 | mm, Depth: 160.5 mm, Material: Stainless steel 1.4404 (316L), |
| Qty. | 1 pc(s). | electropolished, silver |

### Stainless steel 1.4301



**Integrate, expand and customise: The ideal expansion for every application**
The consistent structure of accessories for the new Klippon® TB enclosure range means that you can easily adapt the enclosure to the specific requirements of each application.
**Rain Covers**
The rain cover provides an ideal, additional level of protection for the enclosure if it is installed in unusual climatic zones with, for instance, very heavy rainfall or extreme levels of direct sunlight.

#### General ordering data

| | | |
|---|---|---|
| Type | KTB RNHD 484815 R | Version |
| Order No. | 1281470000 | Klippon TB (Terminal Box), Rain hood, Height: 53.4 mm, Width: 485 |
| GTIN (EAN) | 4050118072112 | mm, Depth: 160.5 mm, Material: Stainless steel 1.4301, Mirror |
| Qty. | 1 pc(s). | polished, silver |

# KTB MH 484815 S4E0

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

www.weidmueller.com

## Accessories

### Installation material



**Integrate, expand and customise - the perfect supplement to every application**
The fully structured range of system accessories for the new Klippon® TB enclosure series allows you to easily adapt the enclosures to meet the specific requirements of every application.
**Mounting hardware kits**
Mounting hardware kits are available for quick and easy installation of type label holders, document holders and rain hoods.
The **label fastening set – SD** is required to install a plastic (Trafolyte) ID or type label. With the aid of this set can you mount the ID or type label directly on the enclosure cover. The label fastening set has been specially developed for this purpose. Only by using this fastening set can you ensure that there will be no leaks into the enclosure or damage to the label.
The **universal fastening set – TPSD** has been developed to enable secure and quick installation of type label holders, rain covers or document holders, for example. By using this fastening set, the risk of leaks can be minimised, if not avoided.

### General ordering data

| | | |
|---|---|---|
| Type | FKSC M6X8 D9/SW3 | Version |
| Order No. | 0642600000 | Klippon TB (Terminal Box), Mounting screw, Material: Steel |
| GTIN (EAN) | 4008190058258 | |
| Qty. | 50 pc(s). | |
| Type | SD FIXING SET | Version |
| Order No. | 1285200000 | Klippon TB (Terminal Box), Identification plate fixing set, Height: 12 |
| GTIN (EAN) | 4050118075472 | mm, Width: 12 mm, Depth: 16.4 mm, Material: Stainless steel, rust- |
| Qty. | 1 pc(s). | proof, untreated, silver |
| Type | TPSD FIXING SET KTB | Version |
| Order No. | 1252190000 | Klippon TB (Terminal Box), Type plate fixings set, Material: Stainless |
| GTIN (EAN) | 4050118043969 | steel, rust-proof, untreated, silver |
| Qty. | 1 pc(s). | |

# KTB MH 484815 S4E0

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

www.weidmueller.com

## Accessories

### Mounting plates



Mounting plates, with and without hole patterns, for longitudinal and transverse mounting of DIN mounting rails or components directly onto the mounting plate.

#### General ordering data

| | | |
|---|---|---|
| Type | GFSC M5X10 TX20 SET | Version |
| Order No. | 1274150000 | Klippon EB (Essential Box), Mounting screw, Height: 13.3 mm, Width: |
| GTIN (EAN) | 4050118063820 | 8.5 mm, Depth: 8.5 mm, Material: Steel, galvanized, galvanic zinc |
| Qty. | 1 pc(s). | plated and passivated, silver |

### Depth 15 mm



#### General ordering data

| | | |
|---|---|---|
| Type | TS35X15 ST KTB4848 HOR | Version |
| Order No. | 8000073119 | Rail, TS 35, TS 35 x 15, Width: 419 mm, without slot, Steel, galvanic |
| GTIN (EAN) | 4064675340751 | zinc plated and passivated |
| Qty. | 20 pc(s). | |
| Type | TS35X15 ST KTB4848 VER | Version |
| Order No. | 8000073120 | Rail, TS 35, TS 35 x 15, Width: 425 mm, without slot, Steel, galvanic |
| GTIN (EAN) | 4064675340768 | zinc plated and passivated |
| Qty. | 20 pc(s). | |

# KTB MH 484815 S4E0

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

www.weidmueller.com

## Accessories

### 480 x 480mm



**Integrate, expand and customise: The ideal expansion for every application**
The consistent structure of accessories for the new Klippon® TB enclosure range means that you can easily adapt the enclosure to the specific requirements of each application.
**Mounting plates**
Mounting plates, with and without hole patterns, for longitudinal and transverse mounting of DIN mounting rails or components directly onto the mounting plate.

#### General ordering data

| | | |
|---|---|---|
| Type | KTB MOPL 4848 S2N H | Version |
| Order No. | 1257710000 | Klippon TB (Terminal Box), Mounting plate, prepunched, Height: 425 |
| GTIN (EAN) | 4050118049336 | mm, Width: 419 mm, Depth: 1.5 mm, Material: Stainless steel 1.4301 |
| Qty. | 1 pc(s). | (304), untreated, silver |
| Type | KTB MOPL 4848 MSZN | Version |
| Order No. | 1194000000 | Klippon TB (Terminal Box), Mounting plate, Height: 425 mm, Width: |
| GTIN (EAN) | 4050118028607 | 419 mm, Depth: 1.5 mm, Material: Sheet steel, galvanized, silver |
| Qty. | 1 pc(s). | |
| Type | KTB MOPL 4848 MSZN H | Version |
| Order No. | 2022610000 | Klippon TB (Terminal Box), Mounting plate, prepunched, Height: |
| GTIN (EAN) | 4050118403374 | 425 mm, Width: 419 mm, Depth: 1.5 mm, Material: Sheet steel, |
| Qty. | 1 pc(s). | galvanized, silver |
| Type | KTB MOPL 4848 S2N | Version |
| Order No. | 1193870000 | Klippon TB (Terminal Box), Mounting plate, Height: 425 mm, Width: |
| GTIN (EAN) | 4050118028478 | 419 mm, Depth: 1.5 mm, Material: Stainless steel 1.4301 (304), |
| Qty. | 1 pc(s). | untreated, silver |

### Depth 7.5 mm



#### General ordering data

| | | |
|---|---|---|
| Type | TS35X7.5 ST KTB4848 HOR | Version |
| Order No. | 8000006725 | Rail, TS 35, TS 35 x 7.5, Width: 419 mm, without slot, Steel, |
| GTIN (EAN) | 4050118652987 | galvanized, chromium-plated |
| Qty. | 20 pc(s). | |
| Type | TS35X7.5 ST KTB4848 VER | Version |
| Order No. | 8000006714 | Rail, TS 35, TS 35 x 7.5, Width: 425 mm, without slot, Steel, |
| GTIN (EAN) | 4050118652871 | galvanized, chromium-plated |
| Qty. | 20 pc(s). | |