

**KTB MH 987420 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: 980 mm, Width: 740 mm, Depth: 200 mm, Gland plates: Bottom, Material: Stainless steel 1.4404 (316L), electropolished, silver |
| Order No.  | <a href="#">1195610000</a>                                                                                                                                                                                                   |
| Type       | KTB MH 987420 S4E1                                                                                                                                                                                                           |
| GTIN (EAN) | 4032248978380                                                                                                                                                                                                                |
| Qty.       | 1 pc(s).                                                                                                                                                                                                                     |

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## Technical data

## Dimensions and weights

|                             |             |                            |             |
|-----------------------------|-------------|----------------------------|-------------|
| Depth                       | 200 mm      | Depth (inches)             | 7.874 inch  |
| Height                      | 980 mm      | Height (inches)            | 38.583 inch |
| Mounting dimension - height | 625 mm      | Mounting dimension - width | 766 mm      |
| Net weight                  | 32,855 g    | Width                      | 740 mm      |
| Width (inches)              | 29.134 inch |                            |             |

## Temperatures

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

## Environmental Product Compliance

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

## Cable glands, left

|     |     |     |    |
|-----|-----|-----|----|
| M12 | 126 | M16 | 84 |
| M20 | 54  | M25 | 48 |
| M32 | 26  | M40 | 22 |
| M50 | 10  | M63 | 8  |
| M75 | 6   |     |    |

## Cable glands, right

|     |     |     |    |
|-----|-----|-----|----|
| M12 | 126 | M16 | 84 |
| M20 | 54  | M25 | 48 |
| M32 | 26  | M40 | 22 |
| M50 | 10  | M63 | 8  |
| M75 | 6   |     |    |

## Cable glands, top/bottom

|     |    |     |    |
|-----|----|-----|----|
| M12 | 96 | M16 | 64 |
| M20 | 42 | M25 | 36 |
| M32 | 20 | M40 | 16 |
| M50 | 6  | M63 | 6  |
| M75 | 4  |     |    |

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**Technical data**
**Certificate numbers enclosure**

|                                         |                                                                                                         |                                           |                           |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------|
| Approval conditions                     | ATEX, CCoE, DNV, EAC, IECEx, INMETRO, KC, NEPSI, CCC, RMRS, UL AEx Class Div., UL AEx Class Zone, cULus | Attestation of Conformity No. (AoC)       | DE PS261X 160309 001ISS03 |
| Certificate No. (ATEX)                  | PTB11ATEX2019                                                                                           | Certificate No. (CCOE)                    | P461058_1                 |
| Certificate No. (DNVGL)                 | TAE000013S                                                                                              | Certificate No. (EAC)                     | RUC-DE.MIO62.B.04799      |
| Certificate No. (IECEx)                 | IECEXPTB11.0071                                                                                         | Certificate No. (MARITREG)                | 15.40073.250              |
| 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)               | IEX13.0007                                                                                              | Certificate no. (cULus)                   | E243298                   |
| Certificate no. Terminal Box (AEx)      | E223792                                                                                                 | Certificate no. Terminal Box (ATEX)       | IBExU14ATEX1050           |
| Certificate no. Terminal Box (EAC)      | C-DE.HB07.B.00089/20<br>Ex Terminal Box; C-DE.A154.B.00251/19<br>Ind. Terminal Box                      | Certificate no. Terminal Box (IECEx)      | IECEXIBE14.0013           |
| Certificate no. Terminal Box (INMETRO)  | IEEx 17.0021                                                                                            | Certificate no. Terminal Box (KOSHA)      | 16-AV4BO-0245X            |
| Certificate no. Terminal Box (NEPSI)    | GYJ14.1309                                                                                              | Certificate no. empty enclosure (ATEX)    | IBExU14ATEX1028 U         |
| Certificate no. empty enclosure (IECEx) | IECEX IBE 14.0004U                                                                                      | Certificate no. empty enclosure (INMETRO) | IEEx 17.0020U             |
| Certificate no. empty enclosure (NEPSI) | GYJ14.1308U                                                                                             | Certificate no., empty enclosure (EAC)    | C-DE.HB07.B.00089/20      |
| Declaration of Conformity No. (DoC LVD) | DE PS261X 160412 001ISS02                                                                               |                                           |                           |

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**General information**

|                              |                                                                                |                             |                                                                                                                                                               |
|------------------------------|--------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AF size                      | 10 mm                                                                          | Access opening: height      | 927 mm                                                                                                                                                        |
| Access opening: width        |                                                                                | Areas of use                | Explosive risk zone, Process industry, Oil and gas industry, Chemical industry, Offshore, Onshore                                                             |
|                              | 681 mm                                                                         | Enclosure attachment        | 4 welded-on mounting feet with 11 mm holes (2 slotted feet and 2 cross-shaped feet)                                                                           |
| Dimension of box             |                                                                                | Flange plate mounting       | M6 hexagonal head screws 10 SW                                                                                                                                |
|                              | 925x1130x240                                                                   | Impact resistance           | 7 J ATEX version, 10 J version standard                                                                                                                       |
| Flange plate                 | Yes                                                                            | Lid                         | Yes                                                                                                                                                           |
| Gland plates                 | Bottom                                                                         | Material                    | Stainless steel 1.4404 (316L)                                                                                                                                 |
| Integral fixing              | 4, 6 or 9 stud bolts M6 inner (female) thread                                  | Material thickness of cover | 1.5 mm                                                                                                                                                        |
| Lid attachment               | 4 hinges and M6 hex-head slotted screws SW10                                   | Max. payload                | 290 kg                                                                                                                                                        |
| Material thickness           | 1.5 mm                                                                         | Number of lid screws        | 10                                                                                                                                                            |
| Material thickness of flange | 3 mm                                                                           | Operating temperature, max. | 135 °C                                                                                                                                                        |
| Note: protection class       | If used in temperature ranges above 105 °C, IP protection is limited to IP 66. | Overall dimensions          | 991 x 791 x 215                                                                                                                                               |
| Opening angle lid            | 130 °                                                                          | Protection degree           | IP66, IP67                                                                                                                                                    |
| Operating temperature, min.  | -60 °C                                                                         | 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 |
| Position PE bolts            | Enclosure side C                                                               | Torque for lid screws       | 2.5 Nm                                                                                                                                                        |
| Seal material                | Silicone                                                                       |                             |                                                                                                                                                               |
| Surface finish               | electropolished                                                                |                             |                                                                                                                                                               |

**Housing earth**

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

**horizontal assembly**

|                             |       |                 |      |
|-----------------------------|-------|-----------------|------|
| WDU 10 / ZDU 10             | 6x63  | WDU 16 / ZDU 16 | 5x51 |
| WDU 2,5 / ZDU 2,5 / IDU 2,5 | 9x127 | WDU 35 / ZDU 35 | 4x38 |
| WDU 4 / ZDU 4               | 8x99  | WDU 6 / ZDU 6   | 7x78 |

**vertical assembly**

|                             |       |                 |       |
|-----------------------------|-------|-----------------|-------|
| WDU 10 / ZDU 10             | 4x85  | WDU 16 / ZDU 16 | 4x72  |
| WDU 2,5 / ZDU 2,5 / IDU 2,5 | 6x174 | WDU 35 / ZDU 35 | 3x54  |
| WDU 4 / ZDU 4               | 6x146 | WDU 6 / ZDU 6   | 5x108 |

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## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002503    | ETIM 7.0    | 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 |

## Approvals

Approvals



|                       |         |
|-----------------------|---------|
| ROHS                  | Conform |
| UL File Number Search | E243298 |

## Downloads

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">C-DE.HB07.B.00089-Empty Enclosures and Ex. Terminal Box</a><br><a href="#">C-DE.AJ54.B.00251.19 Ind. Terminal Box</a><br><a href="#">CCC 2020322303002358 KTB Assembly Enclosure</a><br><a href="#">CCC 2020322303002357 KTB Empty Enclosure</a><br><a href="#">Attestation of Conformity - Klippon TB Empty Enclosures - AoC DE PS261X 160309 001ISS03</a><br><a href="#">IEX17.0021</a><br><a href="#">IEX17.0020U</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="#">15.40073.250</a><br><a href="#">RUC-DE.MIO62.B.04799</a><br><a href="#">GYJ14.1310X</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="#">EU Declaration of Conformity - Klippon TB Empty Enclosures - DoC DE PS261X 160412 001ISS02</a> |
| Engineering Data                            | <a href="#">STEP</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Engineering Data                            | <a href="#">EPLAN, WSCAD</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Tender specification                        | <a href="#">Klippon TB MH 987420 S4E1_1195610000_DE</a><br><a href="#">Klippon TB MH 987420 S4E1_1195610000_EN</a><br><a href="#">Klippon TB MH 987420 S4E1_1195610000_NL</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| User Documentation                          | <a href="#">Assembly guidelines - empty enclosures</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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## Drawings

### Dimensioned drawing

