

KTB MH 987420 S4E3

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: 980 mm, Width: 740 mm, Depth: 200 mm, Gland plates: Bottom, left, right, Material: Stainless steel 1.4404 (316L), electropolished, silver |
| Order No. | 1195630000 |
| Type | KTB MH 987420 S4E3 |
| GTIN (EAN) | 4032248978144 |
| 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 |
| Width | 740 mm | Width (inches) | 29.134 inch |
| Mounting dimension - height | 625 mm | Mounting dimension - width | 796 mm |
| Net weight | 36,100 g | | |

Temperatures

| | | |
|-----------------------|----------------------------------|---|
| Operating temperature | Note: room temperature (service) | Limited to IP66 protection when used in temperatures greater than 105 °C. |
| -60 °C...135 °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 | | Attestation of Conformatiy No. (AoC) | |
|---|---|---|--|
| | ATEX, CCoE, DNV, EAC, IECEx, INMETRO, KC, NEPSI, CCC, RMRS, UL AEx Class Div., UL AEx Class Zone, cULus | | DE PS261X 160309 001ISS03 |
| Certificate No. (ATEX) | PTB11ATEX2019 | Certificate No. (CCOE) | P461058_1 |
| Certificate No. (DNVGL) | TAE000013S | Certificate No. (EAC) | C-DE.HB07.B.00089-20 |
| Certificate No. (IECEX) | IECEXPTB11.0071 | Certificate No. (MARITREG) | 21.50075.272 |
| 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) | | Certificate no. Terminal Box (EAC) | C-DE.HB07.B.00089/20 Ex Terminal Box; C- DE.A154.B.00251/19 Ind. Terminal Box |
| | IBExU14ATEX1050 | Certificate no. Terminal Box (INMETRO) | LMP 21.0017 |
| Certificate no. Terminal Box (IECEX) | IECEXIBE14.0013 | Certificate no. empty enclosure (ATEX) | IBExU14ATEX1028 U |
| Certificate no. Terminal Box (KOSHA) | 16-AV4BO-0245X | Certificate no. empty enclosure (IECEX) | IECEX IBE 14.0004U |
| Certificate no. empty enclosure (ECAS) | 21-09-25241/ E21-09-053807 | Certificate no., empty enclosure (EAC) | C-DE.HB07.B.00089/20 |
| Certificate no. empty enclosure (INMETRO) | IEx 17.0020U | | |
| Declaration of Conformatiy No. (DoC LVD) | DE PS261X 160412 001ISS02 | | |

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Technical data
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 |
| Dimension of box | 681 mm | Enclosure attachment | 4 welded-on mounting feet with 11 mm holes (2 slotted feet and 2 cross-shaped feet) |
| Flange plate | 925x1130x240 | Flange plate mounting | M6 hexagonal head screws 10 SW |
| Gland plates | Yes | Impact resistance | 7 J ATEX version, 10 J version standard |
| Integral fixing | Bottom, left, right | Lid attachment | 4 hinges and M6 hex-head slotted screws SW10 |
| Material | 4, 6 or 9 stud bolts M6 inner (female) thread | Material thickness of cover | 1.5 mm |
| Material thickness of enclosure | Stainless steel 1.4404 (316L) | Material thickness of flange | 3 mm |
| Max. payload | 1.5 mm | Note: protection class | If used in temperature ranges above 105 °C, IP protection is limited to IP 66. |
| | 290 kg | Opening angle lid | 130 ° |
| Number of lid screws | 12 | Operating temperature, min. | -60 °C |
| Operating temperature, max. | 135 °C | Position PE bolts | Enclosure side C |
| Overall dimensions | 991 x 821 x 215 | Protection degree | IP66, IP67 |
| Protection class (UL) | Type 3, Type 4x, Type 12 | 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 |
| Seal material | Silicone | Torque for lid screws | 2.5 Nm |
| 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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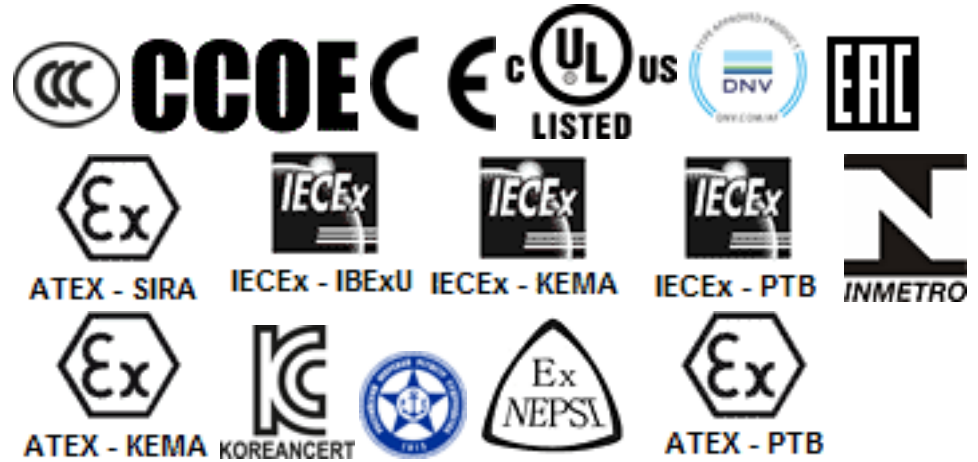
Technical data

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC002503 | ETIM 7.0 | EC002503 |
| ETIM 8.0 | 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 |

Approvals

Approvals



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

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Technical data

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | C-DE.HB07.B.00089-Empty Enclosures and Ex. Terminal Box C-DE.AJ54.B.00251.19 Ind. Terminal Box CCC 2020322303002358 KTB Assembly Enclosure CCC 2020322303002357 KTB Empty Enclosure Attestation of Conformity - Klippon TB Empty Enclosures - AoC DE PS261X 160309 001ISS05 IEX17.0020U IBEXU14ATEX1028U IBEXU14ATEX1050 IECEXIBE14.0004U IECEXIBE14.0013 TAE000013S 15.40073.250 RUC-DE.MIO62.B.04799 GYJ14.1310X IECEXPTB11.0071 PTB11ATEX2019 16-AV4BO-245X P4610581_1 21-09-25241/E21-09-053807 LMP 21.0017 - CAIXA DE JUNÇÃO KLIPPON TB - KTB MH QL FS EU Declaration of Conformity - Klippon TB Empty Enclosures - DoC DE PS261X 160412 001ISS03 |
| Engineering Data | CAD data – STEP |
| Engineering Data | EPLAN, WSCAD |
| Tender specification | Klippon TB MH 987420 S4E3_1195630000_DE Klippon TB MH 987420 S4E3_1195630000_EN Klippon TB MH 987420 S4E3_1195630000_NL |
| User Documentation | Assembly guidelines - empty enclosures |
| Catalogues | Catalogues in PDF-format |
| Brochures | MB OVERV. PROCESS WD DE MB KLIPPON ENCL.TECN EN MB PROCESS EN FL WIND 2012 EN FL APPL PROCESS EN FL SHIPBUILDING 2016 EN FL RAILWAY 2014 EN PI KLIPPON TB MH QL EN PI KLIPPON TB MH QL EN |

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Drawings

Dimensioned drawing

