

**MH
KTB MH 453815 S4E4**

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**Stainless steel enclosures for use in areas exposed to explosion hazards**

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 in process or power generation industries.

The new 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 12 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 bolt welded in the cover and base of the enclosure
- Welded mounting feet
- International approvals

General ordering data

| | |
|------------|--|
| Type | KTB MH 453815 S4E4 |
| Order No. | 1195040000 |
| Version | Enclosures, stainless steel enclosure, Stainless steel 1.4404 (316L), 458 mm, 382 mm, 150 mm |
| GTIN (EAN) | 4032248977819 |
| Qty. | 1 pc(s). |

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Technische Daten

Dimensions and weights

| | | | |
|----------------------------|----------|-----------------------------|--------|
| Length | 150 mm | Width | 382 mm |
| Height | 458 mm | Depth | 150 mm |
| Mounting dimension - width | 438 mm | Mounting dimension - height | 305 mm |
| Net weight | 12,700 g | | |

Cable glands, left

| | | | |
|---------|----|---------|----|
| M12 (3) | 33 | M16 (3) | 19 |
| M20 (3) | 16 | M25 (3) | 7 |
| M32 (3) | 6 | M40 (3) | 5 |
| M50 (3) | 4 | M63 (3) | 0 |
| M75 (3) | 0 | | |

Cable glands, right

| | | | |
|---------|----|---------|----|
| M12 (2) | 33 | M16 (2) | 19 |
| M20 (2) | 16 | M25 (2) | 7 |
| M32 (2) | 6 | M40 (2) | 5 |
| M50 (2) | 4 | M63 (2) | 0 |
| M75 (2) | 0 | | |

Cable glands, top/bottom

| | | | |
|-----|----|-----|----|
| M12 | 30 | M16 | 17 |
| M20 | 15 | M25 | 6 |
| M32 | 5 | M40 | 4 |
| M50 | 4 | M63 | 0 |
| M75 | 0 | | |

General information

| | | | |
|------------------------------|---|-----------------------------|---|
| AF size 1 | 10 mm | Access opening: height | 405 mm |
| Access opening: width | 323 mm | Areas of use | Explosive risk zone, Process industry, Oil and gas industry, Chemical industry, Offshore, Onshore |
| Gland plates | Bottom, top, left, right | Installation advice | Terminal rail / mounting plate |
| Material thickness | 1.5 mm | Material thickness of cover | 1.5 mm |
| Material thickness of flange | 3 mm | Max. payload | 70 kg |
| Opening angle lid | 125 ° | Overall dimensions | 480 x 463 x 165 |
| Position PE bolts | Page C | Material | Stainless steel 1.4404 (316L) |
| Seal material | Silicone | Surface finish | electropolished |
| Operating temperature, min. | -60 °C | Operating temperature, max. | 135 °C |
| Impact resistance | 7 J ATEX version, 10 J version standard | Protection degree | IP 66, IP 67 |
| Note: protection class | For use in the temperature range over 105°C, the IP protection is limited to IP 66. | Enclosure attachment | 4 welded-on mounting feet with 11-mm holes (2 slotted feet and 2 cross-shaped feet) |
| Cover attachment | 4 hinges and M6 hex-head slotted screws SW10 | Integral fixing | 4, 6 or 9 stud bolts M6 inner (female) thread |

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Housing earth

Earth, housing, internal Welded-on M6 stainless-steel earth stud in lower part of housing and lid.

horizontal assembly

| | | | |
|-------------------------|------|---------------|------|
| WDU 10 ZDU 10 | 2x29 | WDU 16 ZDU 16 | 2x24 |
| WDU 2,5 ZDU 2,5 IDU 2,5 | 4x58 | WDU 35 ZDU 35 | 1x18 |
| WDU 4 ZDU 4 | 3x48 | WDU 6 ZDU 6 | 3x36 |

vertical assembly

| | | | |
|-----------------------------|------|-------------------|------|
| WDU 10 ZDU 10 (2) | 2x37 | WDU 16 ZDU 16 (2) | 2x31 |
| WDU 2,5 ZDU 2,5 IDU 2,5 (2) | 3x73 | WDU 35 ZDU 35 (2) | 1x23 |
| WDU 4 ZDU 4 (2) | 2x62 | WDU 6 ZDU 6 (2) | 2x46 |

Classifications

| | | | |
|------------|-------------|------------|-------------|
| eClass 6.2 | 27-14-91-07 | eClass 7.1 | 27-14-91-07 |
|------------|-------------|------------|-------------|

Test certificates

| | | | |
|-------------------------|------------------|------------------------------|--------------|
| Certificate No. (ATEX) | KEMA10ATEX0050 | Certificate No. (GERMILLOYD) | 11533-10 |
| Certificate No. (IECEX) | IECEXKEM10.0015U | Certificate No. (MARITREG) | 10.04093.250 |
| Certificate no. (cULus) | E243298VOL1SEC4 | | |

Product information

Descriptive text ordering data Colour variations may possibly occur in the case of painted housings.

Descriptive text technical data *For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm.
 Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail.
 Recommended order:
 TS 35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000
 TS 32 mounting rail (screw terminal) SAK 2.5 0279660000
 TS 15 mounting rail (screw terminal) AKZ 2.5 0697160000

Approvals

Approvals



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Zeichnungen

