

**Klippon TB QL (Terminal Box - Quarter Lock)  
KTB QL 221513 S4E2**

**Weidmüller Interface GmbH & Co. KG**  
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**Product image**

Abbildung ähnlich

**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 specifically in the process or power generation industries. The new Klippon® TB QL enclosure range offers further improvements to a product line that is already successfully leading the market.

**General ordering data**

|            |                                                                                                                                                                                                                                    |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type       | KTB QL 221513 S4E2                                                                                                                                                                                                                 |
| Order No.  | <a href="#">1199870000</a>                                                                                                                                                                                                         |
| Version    | Klippon TB QL (Terminal Box - Quarter Lock), Empty enclosure, stainless steel enclosure, Height: 229 mm, Width: 152 mm, Depth: 133 mm, Gland plates: Bottom, top, Material: Stainless steel 1.4404 (316L), electropolished, silver |
| GTIN (EAN) | 4032248982721                                                                                                                                                                                                                      |
| Qty.       | 1 pc(s).                                                                                                                                                                                                                           |

Creation date July 8, 2020 11:03:12 AM CEST

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### Technical data

#### Dimensions and weights

|                            |         |                             |            |
|----------------------------|---------|-----------------------------|------------|
| Width                      | 152 mm  | Width (inches)              | 5.984 inch |
| Height                     | 229 mm  | Height (inches)             | 9.016 inch |
| Depth                      | 133 mm  | Depth (inches)              | 5.236 inch |
| Mounting dimension - width | 178 mm  | Mounting dimension - height | 152 mm     |
| Net weight                 | 3,060 g |                             |            |

#### Environmental Product Compliance

REACH SVHC Lead 7439-92-1

#### Cable glands, left

|     |   |     |   |
|-----|---|-----|---|
| M12 | 8 | M16 | 6 |
| M20 | 3 | M25 | 2 |
| M32 | 2 | M40 | 2 |
| M50 | 0 | M63 | 0 |
| M75 | 0 |     |   |

#### Cable glands, right

|     |   |     |   |
|-----|---|-----|---|
| M12 | 8 | M16 | 6 |
| M20 | 3 | M25 | 2 |
| M32 | 2 | M40 | 2 |
| M50 | 0 | M63 | 0 |
| M75 | 0 |     |   |

#### Cable glands, top/bottom

|     |   |     |   |
|-----|---|-----|---|
| M12 | 6 | M16 | 5 |
| M20 | 2 | M25 | 2 |
| M32 | 1 | M40 | 1 |
| M50 | 0 | M63 | 0 |
| M75 | 0 |     |   |

#### Certificate numbers enclosure

|                                        |                      |                                           |                      |
|----------------------------------------|----------------------|-------------------------------------------|----------------------|
| Certificate no. Terminal Box (ATEX)    | IBExU14ATEX1050      | Certificate no. empty enclosure (ATEX)    | IBExU14ATEX1028 U    |
| Certificate no. Terminal Box (IECEX)   | IECEXIBE14.0013      | Certificate no. empty enclosure (IECEX)   | IECEX IBE 14.0004U   |
| Certificate no. Terminal Box (EAC)     | RU C-DE.ГБ08.B.01328 | Certificate no., empty enclosure (EAC)    | RU C-DE.ГБ08.B.00472 |
| Certificate no. Terminal Box (INMETRO) | IEEx 17.0021         | Certificate no. empty enclosure (INMETRO) | IEEx 17.0020U        |
| Certificate no. Terminal Box (AEx)     | E223792              | Certificate no. empty enclosure (NEPSI)   | GYJ14.1308U          |
| Certificate no. Terminal Box (NEPSI)   | GYJ14.1309           | Certificate no. Terminal Box (KOSHA)      | 16-AV4BO-0245X       |
| Certificate No. (MARITREG)             | 15.40075.250         | Certificate no. (cULus)                   | E243298              |
| Certificate No. (CCOE)                 | P461058_1            | Certificate No. (DNVGL)                   | TAE000013S           |

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### Technical data

#### General information

|                              |                                                                                     |                             |                                                                                                                                                               |
|------------------------------|-------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AF size 1                    | 10 mm                                                                               | Access opening: height      | 176 mm                                                                                                                                                        |
| Access opening: width        |                                                                                     | Areas of use                | Explosive risk zone, Process industry, Oil and gas industry, Chemical industry, Offshore, Onshore                                                             |
|                              | 93 mm                                                                               |                             |                                                                                                                                                               |
| Gland plates                 | Bottom, top                                                                         | 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                | 14 kg                                                                                                                                                         |
| Opening angle lid            | 130 °                                                                               | Overall dimensions          | 251 x 203 x 143                                                                                                                                               |
| Position PE bolts            |                                                                                     | 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 |
|                              | 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            |                                                                                     | Note: protection class      | If used in temperature ranges above 105 °C, IP protection is limited to IP 66.                                                                                |
|                              | IP66                                                                                |                             |                                                                                                                                                               |
| Enclosure attachment         | 4 welded-on mounting feet with 11 mm holes (2 slotted feet and 2 cross-shaped feet) | Lid attachment              | Quarter-turn fastener with slotted insert                                                                                                                     |
| Integral fixing              | 4, 6 or 9 stud bolts M6 inner (female) thread                                       |                             |                                                                                                                                                               |

#### Housing earth

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

#### horizontal assembly

|                             |      |                 |      |
|-----------------------------|------|-----------------|------|
| WDU 10 / ZDU 10             | 1x7  | WDU 16 / ZDU 16 | 1x6  |
| WDU 2,5 / ZDU 2,5 / IDU 2,5 | 1x15 | WDU 4 / ZDU 4   | 1x13 |
| WDU 6 / ZDU 6               | 1x9  |                 |      |

#### vertical assembly

|                             |      |
|-----------------------------|------|
| WDU 2,5 / ZDU 2,5 / IDU 2,5 | 1x29 |
|-----------------------------|------|

#### 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 |            |             |

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# Technical data

## Product information

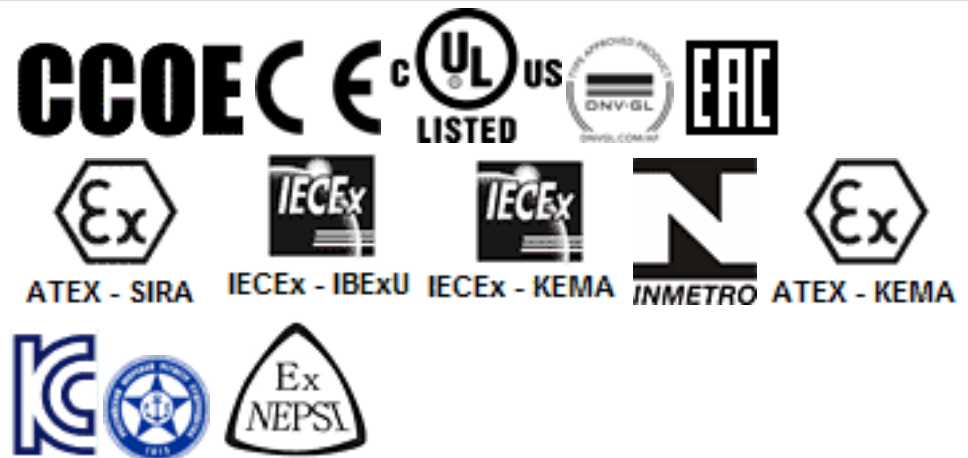
Product information

Minimum Order Quantity is applicable (20 pcs.).

\*\*Customer specific test is required for application compliance.

## Approvals

Approvals



ROHS

Conform

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### Downloads

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">Attestation of Conformity - Klippon TB Empty Enclosures - AoC DE PS261X 160309 001ISS01</a><br><a href="#">IEX17.0021</a><br><a href="#">IEX17.0020U</a><br><a href="#">GYJI4.1308U</a><br><a href="#">GYJI4.1309</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="#">IEX13.0007</a><br><a href="#">IEX13.0006U</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 001ISS01</a> |
| Brochure/Catalogue                          | <a href="#">MB OVERV. PROCESS WD DE</a><br><a href="#">MB KLIPPON ENCL.TECN EN</a><br><a href="#">MB PROCESS EN</a><br><a href="#">CAT 5 ENCL 17/18 EN</a><br><a href="#">FL WIND 2012 EN</a><br><a href="#">FL APPL PROCESS EN</a><br><a href="#">FL SHIPBUILDING 2016 EN</a><br><a href="#">FL RAILWAY 2014 EN</a><br><a href="#">PI KLIPPON TB MH QL EN</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Engineering Data                            | <a href="#">EPLAN, WSCAD</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Engineering Data                            | <a href="#">STEP</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Tender specification                        | <a href="#">Klippon TB QL 221513 S4E2_1199870000_DE</a><br><a href="#">Klippon TB QL 221513 S4E2_1199870000_EN</a><br><a href="#">Klippon TB QL 221513 S4E2_1199870000_NL</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| User Documentation                          | <a href="#">Assembly guidelines - empty enclosures</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

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## Drawings

