

## KTB QL 221513 S4E4

**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 QL enclosure range offers further improvements to a product line that is already successfully leading the market.

The Klippon® TB QL enclosure series features the following advantages:

- Available in 12 sizes and 3 standard depths
- Equipped with up to 4 gland plates
- The gasket is protected against compression
- Quick-locking cover, comes with a slot as standard
- Improved temperature performance
- IP66 protection
- Earthing stud in the cover and base of the enclosure
- Welded mounting feet
- International approvals

### General ordering data

|            |   |
|------------|---|
| 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, left, right, Material: Stainless steel 1.4404 (316L), electropolished, silver |
| Order No.  | <a href="#">1199890000</a>  |
| Type       | KTB QL 221513 S4E4  |
| GTIN (EAN) | 4032248982639   |
| Qty.       | 1 Stück   |

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## Technische Daten

### Dimensions and weights

|                             |           |                            |            |
|-----------------------------|-----------|----------------------------|------------|
| Depth                       | 133 mm    | Depth (inches)             | 5.236 inch |
| Height                      | 229 mm    | Height (inches)            | 9.016 inch |
| Width                       | 152 mm    | Width (inches)             | 5.984 inch |
| Mounting dimension - height | 152 mm    | Mounting dimension - width | 208 mm     |
| Net weight                  | 4,579.2 g |                            |            |

### Temperatures

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

### 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 |     |   |

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### 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 Conformatiy No. (AoC)      | DE PS261X 160309<br>001ISS03          |
| Certificate No. (ATEX)                  | KEMA10ATEX0046U   | Certificate No. (CCOE)                    | P461058_1                             |
| Certificate No. (EAC)                   | C-DE.HB07.B.00089-20  | Certificate No. (IECEX)                   | IECEXKEM10.0020                       |
| 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)               | IEX13.0007  | 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.AД54.B.00251/19<br>Ind. Terminal Box                      | Certificate no. Terminal Box (IECEX)      | IECEXIBE14.0013                       |
| Certificate no. Terminal Box (INMETRO)  | LMP 21.0017   | Certificate no. Terminal Box (KOSHA)      | 16-AV4B0-0245X                        |
| Certificate no. empty enclosure (ATEX)  | IBExU14ATEX1028 U   | Certificate no. empty enclosure (ECAS)    | <b>21-09-25241/<br/>E21-09-053807</b> |
| Certificate no. empty enclosure (IECEX) | IECEX IBE 14.0004U  | Certificate no. empty enclosure (INMETRO) | IEEx 17.0020U                         |
| Certificate no., empty enclosure (EAC)  | C-DE.HB07.B.00089/20  | Declaration of Conformatiy No. (DoC LVD)  | DE PS261X 160412<br>001ISS02          |

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### General information

|                                 |   |                              |   |
|---------------------------------|---|------------------------------|---|
| AF size                         | 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 |
| Dimension of box                | 93 mm   | Enclosure attachment         | 4 welded-on mounting feet with 11 mm holes (2 slotted feet and 2 cross-shaped feet)               |
| Flange plate                    | 350x390x220   | 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, top, left, right  | Lid attachment               | Quarter-turn fastener with slotted insert   |
| 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.                    |
|                                 | 14 kg   | Operating temperature, max.  | 135 °C  |
| Opening angle lid               | 130 °   | Overall dimensions           | 251 x 233 x 143   |
| Operating temperature, min.     | -60 °C  | Protection class (UL)        | Type 3, Type 4X, Type 12  |
| Position PE bolts               | Enclosure side C  | Seal material                | Silicone  |
| Protection degree               | IP66  | Surface finish               | electropolished   |
| 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 |                              |   |

### 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    |
| 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 |

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### 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    |

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## Technische Daten

### 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 001ISS05 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="#">21-09-25241/E21-09-053807</a><br><a href="#">LMP 21.0017 - CAIXA DE JUNÇÃO KLIPPON TB - KTB MH QL FS</a><br><a href="#">EU Declaration of Conformity - Klippon TB Empty Enclosures - DoC DE PS261X 160412 001ISS03</a><br><a href="#">DoM Railway applications - Fire protection on railway vehicles</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>   |
| Engineering Data                            | <a href="#">WSCAD, EPLAN</a>  |
| Tender specification                        | <a href="#">Klippon TB QL 221513 S4E4_1199890000_DE</a><br><a href="#">Klippon TB QL 221513 S4E4_1199890000_EN</a><br><a href="#">Klippon TB QL 221513 S4E4_1199890000_NL</a>   |
| User Documentation                          | <a href="#">Assembly guidelines - empty enclosures</a>  |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>  |
| Brochures                                   | <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="#">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><br><a href="#">PI KLIPPON TB MH QL EN</a>   |

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**Zeichnungen**

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