

Klippon TB QL (Terminal Box - Quarter Lock) KTB QL 403015 S4E3

Weidmüller Interface GmbH & Co. KG
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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 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 403015 S4E3 |
| Order No. | 1200250000 |
| Version | Klippon TB QL (Terminal Box - Quarter Lock), Empty enclosure, stainless steel enclosure, Height: 400 mm, Width: 300 mm, Depth: 150 mm, Gland plates: Bottom, left, right, Material: Stainless steel 1.4404 (316L), electropolished, Silver |
| GTIN (EAN) | 4032248983025 |
| Qty. | 1 pc(s). |

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Technical data**Dimensions and weights**

| | | | |
|----------------------------|----------|-----------------------------|-------------|
| Width | 300 mm | Width (inches) | 11.811 inch |
| Height | 400 mm | Height (inches) | 15.748 inch |
| Depth | 150 mm | Depth (inches) | 5.905 inch |
| Mounting dimension - width | 356 mm | Mounting dimension - height | 247 mm |
| Net weight | 10,500 g | | |

Cable glands, left

| | | | |
|-----|----|-----|----|
| M12 | 29 | M16 | 16 |
| M20 | 13 | M25 | 6 |
| M32 | 5 | M40 | 4 |
| M50 | 3 | M63 | 0 |
| M75 | 0 | | |

Cable glands, right

| | | | |
|-----|----|-----|----|
| M12 | 29 | M16 | 16 |
| M20 | 13 | M25 | 6 |
| M32 | 5 | M40 | 4 |
| M50 | 3 | M63 | 0 |
| M75 | 0 | | |

Cable glands, top/bottom

| | | | |
|-----|----|-----|----|
| M12 | 23 | M16 | 13 |
| M20 | 11 | M25 | 5 |
| M32 | 4 | M40 | 3 |
| M50 | 3 | M63 | 0 |
| M75 | 0 | | |

Certificate numbers enclosure

| | | | |
|---|----------------------|--|----------------------|
| Certificate no. assembled enclosure (ATEX) | IBExU14ATEX1050 | Certificate no. empty enclosure (ATEX) | IBExU14ATEX1028 U |
| Certificate no. assembled enclosure (IECEX) | IECEX IBE 14.0013 | Certificate no. empty enclosure (IECEX) | IECEX IBE 14.0004U |
| Certificate no., assembled enclosure (EAC) | RU C-DE.ГБ08.B.01328 | Certificate no., empty enclosure (EAC) | RU C-DE.ГБ08.B.00472 |
| Certificate no. assembled enclosure (INMETRO) | IEx 17.0021 | Certificate no. empty enclosure (INMETRO) | IEx 17.0020U |
| Certificate no. assembled enclosure (AEx) | E223792 | Certificate no. empty enclosure (NEPSI) | GYJ14.1308U |
| Certificate no. assembled enclosure (NEPSI) | GYJ14.1309 | Certificate no., assembled enclosure (KOSHA) | 16-AV4BO-0245X |
| Certificate no. (cULus) | E243298 | | |

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Technical data

General information

| | | | |
|------------------------------|---|-----------------------------|---|
| AF size 1 | 10 mm | Access opening: height | 347 mm |
| Access opening: width | | Areas of use | Explosive risk zone, Process industry, Oil and gas industry, Chemical industry, Offshore, Onshore |
| | 241 mm | Installation advice | Terminal rail / mounting plate |
| Gland plates | Bottom, left, right | Material thickness of cover | 1.5 mm |
| Material thickness | 1.5 mm | Max. payload | 48 kg |
| Material thickness of flange | 3 mm | Overall dimensions | 411 x 381 x 160 |
| Opening angle lid | 130 ° | Standards | EN 60079-0 : 2009, EN 60079-31 : 2009, EN 60079-7 : 2007, IEC 60079-0 : 2007, IEC 60079-31 : 2008, IEC 60079-7 : 2006, DIN EN 62208 - Empty enclosure standard |
| Position PE bolts | | Seal material | Silicone |
| | Page C | Operating temperature, min. | -60 °C |
| Material | Stainless steel 1.4404 (316L) | Impact resistance | 7 J ATEX version, 10 J version standard |
| Surface finish | electropolished | Note: protection class | If used in temperature ranges above 105 °C, IP protection is limited to IP 66. |
| Operating temperature, max. | 135 °C | Lid attachment | Quarter-turn fastener with slotted insert |
| Protection degree | IP66 | | |
| Enclosure attachment | 4 welded-on mounting feet with 11 mm holes (2 slotted feet and 2 cross- shaped feet) | | |
| 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 | 2x21 | WDU 16 / ZDU 16 | 2x18 |
| WDU 2,5 / ZDU 2,5 / IDU 2,5 | 3x42 | WDU 35 / ZDU 35 | 1x13 |
| WDU 4 / ZDU 4 | 3x35 | WDU 6 / ZDU 6 | 2x26 |

vertical assembly

| | | | |
|-----------------------------|------|-----------------|------|
| WDU 10 / ZDU 10 | 1x32 | WDU 16 / ZDU 16 | 1x26 |
| WDU 2,5 / ZDU 2,5 / IDU 2,5 | 2x62 | WDU 35 / ZDU 35 | 1x20 |
| WDU 4 / ZDU 4 | 2x52 | WDU 6 / ZDU 6 | 1x39 |

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 6.0 | EC002503 | eClass 6.2 | 27-14-91-07 |
| eClass 7.1 | 27-14-91-07 | eClass 8.1 | 27-14-91-07 |
| eClass 9.0 | 27-14-44-30 | eClass 9.1 | 27-18-05-02 |

Creation date September 25, 2018 9:51:29 AM CEST

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Technical data**Product information**

| | |
|---------------------------------|---|
| Product information | Minimum Order Quantity is applicable (10 pcs.) |
| 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 |
| Instructions for accessories | * packing unit (PU) = 20 pcs., sufficient for 10 fixtures |

Approvals

Approvals



ROHS Conform

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | Attestation of Conformity - Klippon TB Empty Enclosures - AoC DE PS261X 160309 001ISS01 EU Declaration of Conformity - Klippon TB Empty Enclosures - DoC DE PS261X 160412 001ISS01 |
| Brochure/Catalogue | MB OVERV. PROCESS WD DE MB KLIPPON ENCL.TECN EN MB PROCESS EN CAT 5 ENCL 17/18 EN FL WIND 2012 EN FL APPL PROCESS EN FL SHIPBUILDING 2016 EN FL RAILWAY 2014 EN PI KLIPPON TB MH QL EN |
| Engineering Data | EPLAN, WSCAD |
| Tender specification | Klippon TB QL 403015 S4E3_1200250000_DE Klippon TB QL 403015 S4E3_1200250000_EN Klippon TB QL 403015 S4E3_1200250000_NL |
| User Documentation | MB KLIPPON ENCL.TECN DE Assembly guidelines - empty enclosures |

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Catalogue status 14.09.2018 / We reserve the right to make technical changes.

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Drawings

