

KTB QL 403020 S4E0**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: 400 mm, Width: 300 mm, Depth: 200 mm, Material: Stainless steel 1.4404 (316L), electropolished, silver |
| Order No. | 1200270000 |
| Type | KTB QL 403020 S4E0 |
| GTIN (EAN) | 4032248983131 |
| Qty. | 1 pc(s). |

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Technical data
Dimensions and weights

| | | | |
|-----------------------------|---------|----------------------------|-------------|
| Depth | 200 mm | Depth (inches) | 7.874 inch |
| Height | 400 mm | Height (inches) | 15.748 inch |
| Width | 300 mm | Width (inches) | 11.811 inch |
| Mounting dimension - height | 247 mm | Mounting dimension - width | 326 mm |
| Net weight | 8,940 g | | |

Temperatures

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

Cable glands, left

| | | | |
|-----|----|-----|----|
| M12 | 48 | M16 | 32 |
| M20 | 20 | M25 | 17 |
| M32 | 9 | M40 | 7 |
| M50 | 3 | M63 | 3 |
| M75 | 2 | | |

Cable glands, right

| | | | |
|-----|----|-----|----|
| M12 | 48 | M16 | 32 |
| M20 | 20 | M25 | 17 |
| M32 | 9 | M40 | 7 |
| M50 | 3 | M63 | 3 |
| M75 | 2 | | |

Cable glands, top/bottom

| | | | |
|-----|----|-----|----|
| M12 | 38 | M16 | 26 |
| M20 | 17 | M25 | 14 |
| M32 | 7 | M40 | 6 |
| M50 | 3 | M63 | 2 |
| M75 | 2 | | |

Certificate numbers enclosure

| | | | |
|---|--|---|---------------------------------------|
| Approval conditions | ATEX, CCoE, DNV, IECEx, INMETRO, KC, NEPSI, CCC, UL AEx Class Div., UL AEx Class Zone, cULus | Attestation of Conformity No. (AoC) | DE PS261X 160309 001ISS06 |
| Certificate No. (ATEX) | KEMA10ATEX0046U | Certificate No. (CCOE) | P461058_1 |
| Certificate No. (DNV) | TAE000013S | Certificate No. (IECEX) | IECEXKEM10.0020 |
| 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) | IEX13.0009 |
| Certificate no. (cULus) | E243298 | Certificate no. Terminal Box (AEx) | E223792 |
| Certificate no. Terminal Box (ATEX) | IBExU14ATEX1050 | Certificate no. Terminal Box (IECEX) | IECEXIBE14.0013 |
| Certificate no. Terminal Box (INMETRO) | LMP 21.0017 | Certificate no. Terminal Box (KOSHA) | 16-AV4BO-0245X |
| Certificate no. empty enclosure (ATEX) | IBExU14ATEX1028 U | Certificate no. empty enclosure (ECAS) | 21-09-25241/ E21-09-053807 |
| Certificate no. empty enclosure (IECEX) | IECEX IBE 14.0004U | Certificate no. empty enclosure (INMETRO) | LMP 21.0016U |
| Declaration of Conformity No. (DoC LVD) | DE PS261X 160412 001ISS03 | | |

Creation date August 28, 2024 11:10:07 PM CEST

Catalogue status 17.08.2024 / We reserve the right to make technical changes.

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Technical data
General information

| | | | |
|-----------------------------|---|---------------------------------|--|
| Access opening: height | 347 mm | Access opening: width | 241 mm |
| Areas of use | Explosive risk zone, Process industry, Oil and gas industry, Chemical industry, Offshore, Onshore | Dimension of box | 490x550x290 |
| Enclosure attachment | 4 welded-on mounting feet with 11 mm holes (2 slotted feet and 2 cross-shaped feet) | Flange plate | No |
| Impact resistance | 7 J ATEX version, 10 J version standard | Integral fixing | 4, 6 or 9 stud bolts M6 inner (female) thread |
| Lid attachment | Quarter-turn fastener with slotted insert | Material | Stainless steel 1.4404 (316L) |
| Material thickness of cover | 1.5 mm | Material thickness of enclosure | 1.5 mm |
| Max. payload | 48 kg | Note: protection class | If used in temperature ranges above 105 °C, IP protection is limited to IP 66. |
| Opening angle lid | 130 ° | Operating temperature, max. | 135 °C |
| Operating temperature, min. | -60 °C | Overall dimensions | 400 x 351 x 210 |
| Position PE bolts | Enclosure side C | Protection class (UL) | Type 3, Type 4X, Type 12 |
| Protection degree | IP66 | Seal material | Silicone |
| 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 | 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 | 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 | ETIM 7.0 | EC002503 |
| ETIM 8.0 | EC002503 | ETIM 9.0 | 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 | ECLASS 13.0 | 27-18-05-02 |
| ECLASS 14.0 | 27-18-05-02 | | |

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www.weidmueller.com**Technical data****Environmental Product Compliance**

| | |
|--------------------------------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 8d5fcdfe-c58e-44e1-a6b4-74d2bbccc9dd |
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 6c |

Approvals

Approvals



| | |
|-------------------------|------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate no. (cULus) | E243298 |

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Technical data

Downloads

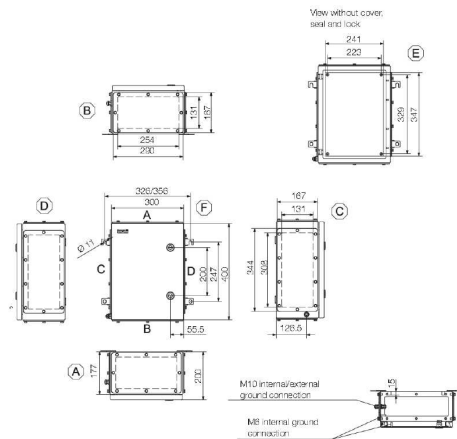
| | |
|---|--|
| Approval/Certificate/Document of Conformity | CCC 2020322303002358 KTB Assembly Enclosure |
| | CCC 2020322303002357 KTB Empty Enclosure |
| | Attestation of Conformity - Klippon TB Empty Enclosures - AoC DE PS261X 160309 001ISS06 |
| | IBEXU14ATEX1028U |
| | IBEXU14ATEX1050 |
| | IECEXIBE14.0004U |
| | IECEXIBE14.0013 |
| | TAE000013S |
| | GYJ14.1310X |
| | IECEXPTB11.0071 |
| | PTB11ATEX2019 |
| | 16-AV4BO-245X |
| | P4610581_1 |
| | 24-01-100099/E24-01-102546/NB10 |
| | LMP 21.0017 - CAIXA DE JUNÇÃO KLIPPON TB - KTB MH QL FS |
| | CERTIFICADO - LMP 21.0016U KLIPPON TB |
| | CERTIFICADO LMP 21.0017 KLIPPON TB |
| Engineering Data | EU Declaration of Conformity - Klippon TB Empty Enclosures - DoC DE PS261X 160412 001ISS03 |
| | DoM Railway applications - Fire protection on railway vehicles |
| Tender specification | CAD data – STEP |
| User Documentation | Klippon TB QL 403020 S4E0_1200270000_DE |
| | Klippon TB QL 403020 S4E0_1200270000_EN |
| | Klippon TB QL 403020 S4E0_1200270000_NL |
| Catalogues | Assembly guidelines - empty enclosures |
| Brochures | Catalogues in PDF-format |
| | 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 |

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Drawings



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Accessories

Type label holder



Integrate, expand and customise: The ideal expansion for every application

The consistent structure of accessories for the new Klippon® TB enclosure range means that you can easily adapt the enclosure to the specific requirements of each application.

Nameplate holders

There are a variety of designed label holders available for prominent display as required and for additional nameplates as needed.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | TPSDHA KTB 100X25 S2 2R | Version |
| Order No. | 1257640000 | Klippon TB (Terminal Box), Ratings plate holder, Riveted, Height: 25 mm, Width: 141 mm, Depth: 16.5 mm, Material: Stainless steel |
| GTIN (EAN) | 4050118070354 | |
| Qty. | 1 pc(s). | 1.4301, Mirror polished, silver |
| Type | TPSDHA KTB 70X70M3 S2 R | Version |
| Order No. | 1279320000 | Klippon TB (Terminal Box), Ratings plate holder, Riveted, Height: 70 mm, Width: 70 mm, Depth: 20 mm, Material: Stainless steel 1.4301, Mirror polished, silver |
| GTIN (EAN) | 4050118070101 | |
| Qty. | 1 pc(s). | |
| Type | TPSDHA KTB 130X50 S2 R | Version |
| Order No. | 1283450000 | Klippon TB (Terminal Box), Ratings plate holder, Riveted, Height: 50 mm, Width: 171 , Depth: 16.5 mm, Material: Stainless steel 1.4301, Mirror polished, silver |
| GTIN (EAN) | 4050118073621 | |
| Qty. | 1 pc(s). | |

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Accessories

Installation material



Integrate, expand and customise - the perfect supplement to every application

The fully structured range of system accessories for the new Klippon® TB enclosure series allows you to easily adapt the enclosures to meet the specific requirements of every application.

Mounting hardware kits

Mounting hardware kits are available for quick and easy installation of type label holders, document holders and rain hoods.

The **label fastening set – SD** is required to install a plastic (Trafolyte) ID or type label. With the aid of this set can you mount the ID or type label directly on the enclosure cover. The label fastening set has been specially developed for this purpose. Only by using this fastening set can you ensure that there will be no leaks into the enclosure or damage to the label.

The **universal fastening set – TPSD** has been developed to enable secure and quick installation of type label holders, rain covers or document holders, for example. By using this fastening set, the risk of leaks can be minimised, if not avoided.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | TPSD FIXING SET KTB | Version |
| Order No. | 1252190000 | Klippon TB (Terminal Box), Type plate fixings set, Material: Stainless |
| GTIN (EAN) | 4050118043969 | steel, rust-proof, untreated, silver |
| Qty. | 1 pc(s). | |
| Type | FKSC M6X8 D9/SW3 | Version |
| Order No. | 0642600000 | Klippon TB (Terminal Box), Mounting screw, Material: Steel |
| GTIN (EAN) | 4008190058258 | |
| Qty. | 50 pc(s). | |
| Type | SD FIXING SET | Version |
| Order No. | 1285200000 | Klippon TB (Terminal Box), Identification plate fixing set, Height: 12 |
| GTIN (EAN) | 4050118075472 | mm, Width: 12 mm, Depth: 16.4 mm, Material: Stainless steel, rust- |
| Qty. | 1 pc(s). | proof, untreated, silver |

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Accessories

Closure elements



Integrate, expand and customise: The ideal expansion for every application

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Sealing systems

There are different closure systems available for the safe and orderly sealing of the enclosure. There are padlocks for the Klippon® TB MH enclosures and a variety of lock inserts for the Klippon® TB QL enclosures.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | KTB QLH S4 SLS | Version |
| Order No. | 1191610000 | Klippon TB (Terminal Box), Closure element, Material: Stainless steel |
| GTIN (EAN) | 4050118137965 | 1.4404, untreated, silver |
| Qty. | 50 pc(s). | |
| Type | KTB QLL S2 SLS | Version |
| Order No. | 1191600000 | Klippon TB (Terminal Box), Closure element, Material: Stainless steel |
| GTIN (EAN) | 4050118137989 | 1.4301, untreated, silver |
| Qty. | 10 pc(s). | |
| Type | KTB QLL S2 DB3 | Version |
| Order No. | 1191590000 | Klippon TB (Terminal Box), Closure element, Material: Stainless steel |
| GTIN (EAN) | 4050118134285 | 1.4301, untreated, silver |
| Qty. | 50 pc(s). | |

Document holders



Integrate, expand and customise - the perfect supplement to every application

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Document holders

Document holders for the proper storage of documents in the enclosure

General ordering data

| | | |
|------------|----------------------------|--|
| Type | DOHA KTB A6 S2 R | Version |
| Order No. | 1252780000 | Klippon TB (Terminal Box), Document holders, Riveted, Height: 110 mm, Width: 130 mm, Depth: 20 mm, Material: Stainless steel 1.4301, Mirror polished, silver |
| GTIN (EAN) | 4050118045512 | |
| Qty. | 1 pc(s). | |

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Accessories

Depth 15 mm



General ordering data

| | | |
|------------|----------------------------|---|
| Type | TS35X15 ST KTB4030 HOR | Version |
| Order No. | 8000073115 | Rail, TS 35, TS 35 x 15, Width: 239 mm, without slot, Steel, galvanic |
| GTIN (EAN) | 4064675340683 | zinc plated and passivated |
| Qty. | 20 pc(s). | |
| Type | TS35X15 ST KTB4030 VER | Version |
| Order No. | 8000073116 | Rail, TS 35, TS 35 x 15, Width: 345 mm, without slot, Steel, galvanic |
| GTIN (EAN) | 4064675340706 | zinc plated and passivated |
| Qty. | 20 pc(s). | |

400 x 300mm



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Mounting plates

Mounting plates, with and without hole patterns, for longitudinal and transverse mounting of DIN mounting rails or components directly onto the mounting plate.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | KTb MOPL 4030 S2N | Version |
| Order No. | 1193850000 | Klippon TB (Terminal Box), Mounting plate, Height: 345 mm, Width: 239 mm, Depth: 1.5 mm, Material: Stainless steel 1.4301 (304), untreated, silver |
| GTIN (EAN) | 4050118028454 | |
| Qty. | 1 pc(s). | |
| Type | KTb MOPL 4030 MSZN H | Version |
| Order No. | 2022420000 | Klippon TB (Terminal Box), Mounting plate, prepunched, Height: 345 mm, Width: 239 mm, Depth: 1.5 mm, Material: Sheet steel, galvanized, silver |
| GTIN (EAN) | 4050118403268 | |
| Qty. | 1 pc(s). | |
| Type | KTb MOPL 4030 MSZN | Version |
| Order No. | 1193980000 | Klippon TB (Terminal Box), Mounting plate, Height: 345 mm, Width: 239 mm, Depth: 1.5 mm, Material: Sheet steel, galvanized, silver |
| GTIN (EAN) | 4050118028584 | |
| Qty. | 1 pc(s). | |
| Type | KTb MOPL 4030 S2N H | Version |
| Order No. | 1257690000 | Klippon TB (Terminal Box), Mounting plate, prepunched, Height: 345 mm, Width: 239 mm, Depth: 1.5 mm, Material: Stainless steel 1.4301 (304), untreated, silver |
| GTIN (EAN) | 4050118049350 | |
| Qty. | 1 pc(s). | |

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Accessories

Depth 7.5 mm



General ordering data

| | | |
|------------|----------------------------|---|
| Type | TS35X7.5 ST KTB4030 HOR | Version |
| Order No. | 8000006723 | Rail, TS 35, TS 35 x 7.5, Width: 239 mm, without slot, Steel, |
| GTIN (EAN) | 4050118652918 | galvanized, chromium-plated |
| Qty. | 20 pc(s). | |
| Type | TS35X7.5 ST KTB4030 VER | Version |
| Order No. | 8000006712 | Rail, TS 35, TS 35 x 7.5, Width: 345 mm, without slot, Steel, |
| GTIN (EAN) | 4050118652857 | galvanized, chromium-plated |
| Qty. | 20 pc(s). | |

Stainless steel 1.4301



Integrate, expand and customise: The ideal expansion for every application

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Rain Covers

The rain cover provides an ideal, additional level of protection for the enclosure if it is installed in unusual climatic zones with, for instance, very heavy rainfall or extreme levels of direct sunlight.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | KTB RNHD 403020 R | Version |
| Order No. | 1281440000 | Klippon TB (Terminal Box), Rain hood, Height: 55.9 mm, Width: 305 |
| GTIN (EAN) | 4050118072129 | mm, Depth: 211.2 mm, Material: Stainless steel 1.4301, Mirror |
| Qty. | 1 pc(s). | polished, silver |

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Accessories

Earthing stud

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Earthing bolt

Earthing bolts to exchange as a complete component in two versions – brass and stainless steel.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | PEBZ M10 KTB BR SET | Version |
| Order No. | 1192680000 | Klippon TB (Terminal Box), Earthing stud, Miscellaneous, Height: 21 |
| GTIN (EAN) | 4032248974641 | mm, Width: 21 mm, Depth: 48.7 mm, Material: Brass, untreated, silver |
| Qty. | 1 pc(s). | |
| Type | PEBZ M10 KTB S4 SET | Version |
| Order No. | 1192690000 | Klippon TB (Terminal Box), Earthing stud, Miscellaneous, Height: |
| GTIN (EAN) | 4032248974658 | 21 mm, Width: 21 mm, Depth: 48.7 mm, Material: Stainless steel |
| Qty. | 1 pc(s). | 1.4404, untreated, silver |

Grounding strap

The fully structured range of system accessories for the new Klippon® TB enclosure series allows you to easily adapt the enclosures to meet the specific requirements of every application. The following options are available:

- Closure Elements
- Document holders
- Earthing stud
- Gland plates
- Installation material
- Mounting plates
- Rain hoods
- Spacer
- Terminal rails
- Type label holder

General ordering data

| | | |
|------------|----------------------------|--|
| Type | PECD WIRE 6/200/D6 SET | Version |
| Order No. | 2475490000 | Klippon TB (Terminal Box), Grounding strap, Sscrewed, Material: Steel, |
| GTIN (EAN) | 4050118487206 | Green/yellow |
| Qty. | 1 pc(s). | |

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Accessories

Stainless steel 1.4404 (316L)

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Rain Covers

The rain cover provides an ideal, additional level of protection for the enclosure if it is installed in unusual climatic zones with, for instance, very heavy rainfall or extreme levels of direct sunlight.

General ordering data

| Type | KTB RNHD XX3020 S4E R | Version |
|------------|----------------------------|---|
| Order No. | 1314180000 | Klippon TB (Terminal Box), Rain hood, Height: 55.9 mm, Width: 305 |
| GTIN (EAN) | 4050118117486 | mm, Depth: 211.2 mm, Material: Stainless steel 1.4404 (316L), |
| Qty. | 1 pc(s). | electropolished, silver |

Mounting plates



Mounting plates, with and without hole patterns, for longitudinal and transverse mounting of DIN mounting rails or components directly onto the mounting plate.

General ordering data

| Type | GFSC M5X10 TX20 SET | Version |
|------------|----------------------------|---|
| Order No. | 1274150000 | Klippon EB (Essential Box), Mounting screw, Height: 13.3 mm, Width: |
| GTIN (EAN) | 4050118063820 | 8.5 mm, Depth: 8.5 mm, Material: Steel, galvanized, galvanic zinc |
| Qty. | 1 pc(s). | plated and passivated, silver |