

**KTB QL 453820 S4E0****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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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: 458 mm, Width: 382 mm, Depth: 200 mm, Material: Stainless steel 1.4404 (316L), electropolished, silver
Order No.	<a href="#">1200380000</a>
Type	KTB QL 453820 S4E0
GTIN (EAN)	4032248982950
Qty.	1 pc(s).

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**Technical data**
**Dimensions and weights**

Depth	200 mm	Depth (inches)	7.874 inch
Height	458 mm	Height (inches)	18.031 inch
Width	382 mm	Width (inches)	15.039 inch
Mounting dimension - height	305 mm	Mounting dimension - width	408 mm
Net weight	11,160 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	55	M16	38
M20	24	M25	21
M32	11	M40	9
M50	4	M63	3
M75	3		

**Cable glands, right**

M12	55	M16	38
M20	24	M25	21
M32	11	M40	9
M50	4	M63	3
M75	3		

**Cable glands, top/bottom**

M12	50	M16	34
M20	23	M25	18
M32	10	M40	8
M50	4	M63	3
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)	
Certificate No. (ATEX)	KEMA10ATEX0051	Certificate No. (CCOE)	DE PS261X 160309 001ISS03
Certificate No. (DNV)	TAE000013S	Certificate No. (IECEX)	P461058_1
Certificate No. Electronic Box (NEPSI)	2020322303003289	Certificate No. UL 508A	IECEXKEM10.0016U
Certificate No. UL Haz.Loc.	E223792	Certificate No. UL Ord.Loc.	E223801
Certificate No. UL Terminal Box	E223792	Certificate no. (INMETRO)	E243298
Certificate no. (cULus)	E243298	Certificate no. Terminal Box (AEx)	IEX13.0006U
Certificate no. Terminal Box (ATEX)	IBExU14ATEX1050	Certificate no. Terminal Box (IECEX)	E223792
Certificate no. Terminal Box (INMETRO)	LMP 21.0017	Certificate no. Terminal Box (KOSHA)	IECEXIBE14.0013
Certificate no. empty enclosure (ATEX)	IBExU14ATEX1028 U	Certificate no. empty enclosure (ECAS)	16-AV4BO-0245X
Certificate no. empty enclosure (IECEX)	IECEX IBE 14.0004U	Certificate no. empty enclosure (ECAS)	<b>21-09-25241/ E21-09-053807</b>
Declaration of Conformity No. (DoC LVD)	DE PS261X 160412 001ISS02	Certificate no. empty enclosure (INMETRO)	LMP 21.0016U

Creation date April 29, 2024 10:04:45 PM CEST

Catalogue status 20.04.2024 / We reserve the right to make technical changes.

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**Technical data**
**General information**

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	Dimension of box	580x620x290
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	70 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	458 x 433 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.
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**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	2x37	WDU 16 / ZDU 16	2x31
WDU 2,5 / ZDU 2,5 / IDU 2,5	3x73	WDU 35 / ZDU 35	1x23
WDU 4 / ZDU 4	2x62	WDU 6 / ZDU 6	2x46

**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

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## Technical data

## 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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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Downloads**

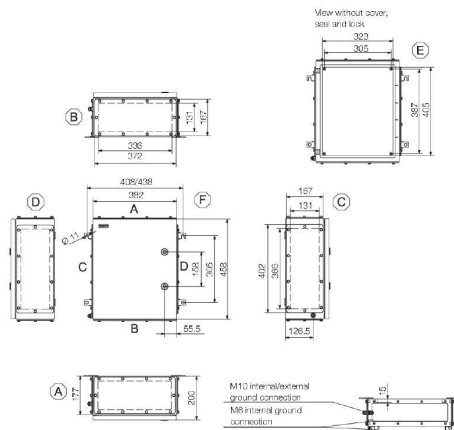
Approval/Certificate/Document of Conformity	<a href="#">CCC 2020322303002358 KTB Assembly Enclosure</a>
	<a href="#">CCC 2020322303002357 KTB Empty Enclosure</a>
	<a href="#">Attestation of Conformity - Klippon TB Empty Enclosures - AoC DE PS261X 160309 001ISS06</a>
	<a href="#">IBEXU14ATEX1028U</a>
	<a href="#">IBEXU14ATEX1050</a>
	<a href="#">IECEXIBE14.0004U</a>
	<a href="#">IECEXIBE14.0013</a>
	<a href="#">TAE000013S</a>
	<a href="#">GYJ14.1310X</a>
	<a href="#">IECEXPTB11.0071</a>
	<a href="#">PTB11ATEX2019</a>
	<a href="#">16-AV4BO-245X</a>
	<a href="#">P4610581_1</a>
	<a href="#">24-01-100099/E24-01-102546/NB10</a>
	<a href="#">LMP 21.0017 - CAIXA DE JUNÇÃO KLIPPON TB - KTB MH QL FS</a>
	<a href="#">CERTIFICADO - LMP 21.0016U KLIPPON TB</a>
	<a href="#">CERTIFICADO LMP 21.0017 KLIPPON TB</a>
Engineering Data	<a href="#">EU Declaration of Conformity - Klippon TB Empty Enclosures - DoC DE PS261X 160412 001ISS03</a>
	<a href="#">DoM Railway applications - Fire protection on railway vehicles</a>
Tender specification	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">Klippon TB QL 453820 S4E0_1200380000_DE</a>
	<a href="#">Klippon TB QL 453820 S4E0_1200380000_EN</a>
	<a href="#">Klippon TB QL 453820 S4E0_1200380000_NL</a>
Catalogues	<a href="#">Assembly guidelines - empty enclosures</a>
Brochures	<a href="#">Catalogues in PDF-format</a>
	<a href="#">MB OVERV. PROCESS WD DE</a>
	<a href="#">MB KLIPPON ENCL.TECN EN</a>
	<a href="#">MB PROCESS EN</a>
	<a href="#">FL WIND 2012 EN</a>
	<a href="#">FL APPL PROCESS EN</a>
	<a href="#">FL SHIPBUILDING 2016 EN</a>
	<a href="#">FL RAILWAY 2014 EN</a>
	<a href="#">PI KLIPPON TB MH QL EN</a>

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## Drawings



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## Accessories

### Stainless steel 1.4301



#### **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.

#### **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 453820 R	Version
Order No.	<a href="#">1281460000</a>	Klippon TB (Terminal Box), Rain hood, Height: 55.9 mm, Width: 387
GTIN (EAN)	4050118072228	mm, Depth: 211.2 mm, Material: Stainless steel 1.4301, Mirror
Qty.	1 pc(s).	polished, silver

### Closure elements



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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.	<a href="#">1191610000</a>	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.	<a href="#">1191600000</a>	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.	<a href="#">1191590000</a>	Klippon TB (Terminal Box), Closure element, Material: Stainless steel
GTIN (EAN)	4050118134285	1.4301, untreated, silver
Qty.	50 pc(s).	

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## Accessories

### Depth 15 mm



#### General ordering data

Type	TS35X15 ST KTB4538 HOR	Version
Order No.	<a href="#">8000073117</a>	Rail, TS 35, TS 35 x 15, Width: 321 mm, without slot, Steel, galvanic
GTIN (EAN)	4064675340720	zinc plated and passivated
Qty.	20 pc(s).	
Type	TS35X15 ST KTB4538 VER	Version
Order No.	<a href="#">8000073118</a>	Rail, TS 35, TS 35 x 15, Width: 403 mm, without slot, Steel, galvanic
GTIN (EAN)	4064675340737	zinc plated and passivated
Qty.	20 pc(s).	

### Type label holder



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



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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	SD FIXING SET	Version
Order No.	<a href="#">1285200000</a>	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
Type	TPSD FIXING SET KTB	Version
Order No.	<a href="#">1252190000</a>	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.	<a href="#">0642600000</a>	Klippon TB (Terminal Box), Mounting screw, Material: Steel
GTIN (EAN)	4008190058258	
Qty.	50 pc(s).	

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## Accessories

### 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.	<a href="#">2475490000</a>	Klippon TB (Terminal Box), Grounding strap, Sscrewed, Material: Steel,
GTIN (EAN)	4050118487206	Green/yellow
Qty.	1 pc(s).	

### 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.	<a href="#">1274150000</a>	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

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## Accessories

### Depth 7.5 mm



#### General ordering data

Type	TS35X7.5 ST KTB4538 VER	Version
Order No.	<a href="#">8000006713</a>	Rail, TS 35, TS 35 x 7.5, Width: 403 mm, without slot, Steel, galvanic
GTIN (EAN)	4050118652864	zinc plated and passivated
Qty.	20 pc(s).	
Type	TS35X7.5 ST KTB4538 HOR	Version
Order No.	<a href="#">8000006724</a>	Rail, TS 35, TS 35 x 7.5, Width: 321 mm, without slot, Steel,
GTIN (EAN)	4050118652925	galvanized, chromium-plated
Qty.	20 pc(s).	

### 458 x 382mm



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

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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 4538 MSZN	Version
Order No.	<a href="#">1193990000</a>	Klippon TB (Terminal Box), Mounting plate, Height: 403 mm, Width:
GTIN (EAN)	4050118028591	321 mm, Depth: 1.5 mm, Material: Sheet steel, galvanized, silver
Qty.	1 pc(s).	
Type	KTB MOPL 4538 S2N H	Version
Order No.	<a href="#">1257700000</a>	Klippon TB (Terminal Box), Mounting plate, prepunched, Height: 403
GTIN (EAN)	4050118049411	mm, Width: 321 mm, Depth: 1.5 mm, Material: Stainless steel 1.4301
Qty.	1 pc(s).	(304), untreated, silver
Type	KTB MOPL 4538 MSZN H	Version
Order No.	<a href="#">2022590000</a>	Klippon TB (Terminal Box), Mounting plate, prepunched, Height:
GTIN (EAN)	4050118403657	403 mm, Width: 321 mm, Depth: 1.5 mm, Material: Sheet steel,
Qty.	1 pc(s).	galvanized, silver
Type	KTB MOPL 4538 S2N	Version
Order No.	<a href="#">1193860000</a>	Klippon TB (Terminal Box), Mounting plate, Height: 403 mm, Width:
GTIN (EAN)	4050118028461	321 mm, Depth: 1.5 mm, Material: Stainless steel 1.4301 (304),
Qty.	1 pc(s).	untreated, silver

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## Accessories

## Stainless steel 1.4404 (316L)

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**Rain Covers**

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## General ordering data

Type	KTB RNHD 453820 S4E R	Version
Order No.	<a href="#">1314200000</a>	Klippon TB (Terminal Box), Rain hood, Height: 55.9 mm, Width: 387
GTIN (EAN)	4050118117523	mm, Depth: 211.2 mm, Material: Stainless steel 1.4404 (316L),
Qty.	1 pc(s).	electropolished, silver

## 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.	<a href="#">1192680000</a>	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.	<a href="#">1192690000</a>	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

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**Accessories**
**Document holders**

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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.	<a href="#">1252780000</a>	Klippon TB (Terminal Box), Document holders, Riveted, Height: 110
GTIN (EAN)	4050118045512	mm, Width: 130 mm, Depth: 20 mm, Material: Stainless steel 1.4301,
Qty.	1 pc(s).	Mirror polished, silver
Type	DOHA KTB A4 S2 R	Version
Order No.	<a href="#">1252730000</a>	Klippon TB (Terminal Box), Document holders, Riveted, Height: 200
GTIN (EAN)	4050118045383	mm, Width: 240 mm, Depth: 20 mm, Material: Stainless steel 1.4301,
Qty.	1 pc(s).	Mirror polished, silver
Type	DOHA KTB A5 S2 R	Version
Order No.	<a href="#">1252750000</a>	Klippon TB (Terminal Box), Document holders, Riveted, Height: 150
GTIN (EAN)	4050118045390	mm, Width: 180 mm, Depth: 20 mm, Material: Stainless steel 1.4301,
Qty.	1 pc(s).	Mirror polished, silver