

## KTB QL 302015 S4E1

Weidmüller Interface GmbH & Co. KG  
Klingenbergsstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)



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, Height: 306 mm, Width: 203 mm, Depth: 150 mm, Basic material: Stainless steel 1.4404 (316L), electropolished, silver
Order No.	<a href="#">8000109885</a>
Type	KTB QL 302015 S4E1
GTIN (EAN)	4099986759800
Qty.	1 items

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## Technical data

## Approvals

Approvals



RoHS Conform

## Dimensions and weights

Depth	150 mm	Depth (inches)	5.9055 inch
Height	306 mm	Height (inches)	12.0472 inch
Width	203 mm	Width (inches)	7.9921 inch
Net weight	9060.1 g		

## Temperatures

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

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	64dfc213-93f0-4c79-8ffa-c97fa9dcb873

## Cable glands, left

M63	2	M75	0
M12	33	M50	2
M16	22	M32	6
M25	12	M20	14
M40	5		

## Cable glands, right

M25	12	M63	2
M75	0	M16	22
M40	5	M50	2
M32	6	M20	14
M12	33		

## Cable glands, top/bottom

M20	10	M12	32
M63	2	M40	2
M32	3	M25	8
M50	2	M75	0
M16	18		

## Technical data

## Certificate numbers enclosure

Certificate No. UL HazLoc.	E223792	Declaration of Conformatiy No. (DoC LVD)	DE PS261X 160412 001ISS03
Certificate No. UL OrdLoc.	E243298	Certificate No. UL 508A	E223801
Attestation of Conformatiy No. (AoC)	DE PS261X 160309 001ISS06	Certificate No. UL Terminal Box	E223792
Certificate no. empty enclosure (INMETRO)	LMP 21.0016U	Certificate no. Terminal Box (ATEX)	IBExU14ATEX1050
Certificate no. empty enclosure (ATEX)	IBExU14ATEX1028 U	Certificate no. Terminal Box (INMETRO)	LMP 21.0017
Certificate no. Terminal Box (IECEx)	IECEXIBE14.0013	Certificate no. empty enclosure (IECEx)	IECEX IBE 14.0004U
Approval conditions	ATEX, IECEX, INMETRO, cULus		

## General information

Material thickness of cover	1.5 mm	Material thickness of flange	3 mm
Material thickness of enclosure	1.5 mm	Material thickness	1.5 mm
Silicone	Yes	Operating temperature, max.	135 °C
Operating temperature, min.	-60 °C	Lid attachment	4 hinges and M6 hex-head slotted screws SW10
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
Impact resistance	10 J version standard, 7 joules in acc. with IEC 60079-0	Protection degree	IP66, IP67
Basic material	Stainless steel 1.4404 (316L)	Seal material	Silicone
Integral fixing	4, 6 or 9 stud bolts M6 inner (female) thread	Enclosure attachment	4 welded-on mounting feet with 11 mm holes (2 slotted feet and 2 cross-shaped feet)
Seal material of cover	Silicone	Note: protection class	If used in temperature ranges above 105 °C, IP protection is limited to IP 66.
Flange plate mounting	M6 hexagonal head screws 10 SW	Seal material of flange plate	Silicone
Protection class (UL)	Type 3, Type 4X, Type 12	Opening angle lid	130.00 °
Flange plate	No	Lid	Yes
Position PE bolts	Enclosure side C	Areas of use	Explosive risk zone, Process industry, Oil and gas industry, Chemical industry, Offshore, Onshore

## Housing earth

Earth, enclosure, cover	Welded-on M6 stainless-steel earth stud in enclosure body and lid.	Earth, enclosure, external	Continuous M10 earth stud in body enclosure
Earth, enclosure, internal	Welded-on M6 stainless-steel earth stud in enclosure body and lid.		

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**Technical data****horizontal assembly**

WDU 10 / ZDU 10	1x11
WDU 2,5 / ZDU 2,5 / IDU 2,5	2x22
WDU 4 / ZDU 4	2x18
Fuse holder available	No

WDU 16 / ZDU 16	1x8
WDU 35 / ZDU 35	1x6
WDU 6 / ZDU 6	2x13

**vertical assembly**

WDU 10 / ZDU 10	1x20
WDU 2,5 / ZDU 2,5 / IDU 2,5	1x40
WDU 4 / ZDU 4	1x33

WDU 16 / ZDU 16	1x16
WDU 35 / ZDU 35	1x12
WDU 6 / ZDU 6	1x25

**Classifications**

ETIM 8.0	EC002503
ETIM 10.0	EC002503
ECLASS 15.0	27-18-05-02

ETIM 9.0	EC002503
ECLASS 14.0	27-18-05-02

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## Accessories

## 300 x 200mm



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.

## 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 3020 MSZN	Version
Order No.	<a href="#">8000110193</a>	Klippon TB (Terminal Box), Mounting plate, Height: 251 mm, Width: 142 mm, Depth: 1.5 mm, Basic material: Sheet steel, galvanized, silver
GTIN (EAN)	4099986779310	
Qty.	1 ST	
Type	KTB MOPL 3020 MSZN H	Version
Order No.	<a href="#">8000115913</a>	Klippon TB (Terminal Box), Mounting plate, Height: 251 mm, Width: 142 mm, Depth: 1.5 mm, Basic material: Sheet steel, galvanized, silver
GTIN (EAN)	4099986783010	
Qty.	1 ST	
Type	KTB MOPL 3020 S2 H	Version
Order No.	<a href="#">8000115902</a>	Klippon TB (Terminal Box), Mounting plate, Height: 251 mm, Width: 142 mm, Depth: 1.5 mm, Basic material: Stainless steel 1.4301 (304), untreated, silver
GTIN (EAN)	4099986782914	
Qty.	1 ST	

## 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 mm, Width: 70 mm, Depth: 20 mm, Basic material: Stainless steel 1.4301, Stainless steel 1.4301 (304), Mirror polished, silver
GTIN (EAN)	4050118070101	
Qty.	1 ST	

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## Accessories

## 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, Basic material: Stainless
GTIN (EAN)	4050118137965	steel 1.4404, untreated, silver
Qty.	50 ST	
Type	KTB QLL S2 DB3	Version
Order No.	<a href="#">1191590000</a>	Klippon TB (Terminal Box), Closure element, Basic material: Stainless
GTIN (EAN)	4050118134285	steel 1.4301, untreated, silver
Qty.	50 ST	
Type	KTB QLL S2 SLS	Version
Order No.	<a href="#">1191600000</a>	Klippon TB (Terminal Box), Closure element, Basic material: Stainless
GTIN (EAN)	4050118137989	steel 1.4301, untreated, silver
Qty.	10 ST	

## 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.

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## Accessories

## 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, Basic material: Stainless steel, rust-proof, untreated, silver
Qty.	1 ST	
Type	TPSD FIXING SET KTB	Version
Order No.	<a href="#">1252190000</a>	Klippon TB (Terminal Box), Type plate fixings set, Basic material:
GTIN (EAN)	4050118043969	Stainless steel, rust-proof, untreated, silver
Qty.	20 ST	

## 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:
GTIN (EAN)	4032248974641	21 mm, Width: 21 mm, Depth: 48.7 mm, Basic material: Brass, untreated, silver
Qty.	1 ST	
Type	PEBZ M10 KTB S4 SET	Version
Order No.	<a href="#">1192690000</a>	Klippon TB (Terminal Box), Earthing stud, Miscellaneous, Height: 21
GTIN (EAN)	4032248974658	mm, Width: 21 mm, Depth: 48.7 mm, Basic material: Stainless steel
Qty.	1 ST	1.4404 (316L), untreated, silver

## TS 20



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## Terminal rails

The mounting rails are available in two sizes for mounting DIN rails (e.g. electronics, terminals) components in the enclosures.

## General ordering data

Type	TS20/CX10 ST ZN 3020 HOR	Version
Order No.	<a href="#">8000117049</a>	Klippon TB (Terminal Box), Enclosures, straight, Height: 20 mm,
GTIN (EAN)	4099986829886	Width: 163 mm, Depth: 10 mm, Basic material: Steel, galvanized, silver
Qty.	20 ST	
Type	TS20/CX10 ST ZN 3020 VER	Version
Order No.	<a href="#">8000117036</a>	Klippon TB (Terminal Box), Enclosures, straight, Height: 20 mm,
GTIN (EAN)	4099986829787	Width: 266 mm, Depth: 10 mm, Basic material: Steel, galvanized, silver
Qty.	20 ST	

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## Accessories

## Depth 15 mm



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## General ordering data

Type	TS35X15 ST KTB3020 HOR	Version
Order No.	<a href="#">8000116369</a>	Klippon TB (Terminal Box), Enclosures, without slot, Height: 35 mm,
GTIN (EAN)	4099986820777	Width: 142 mm, Depth: 15 mm, Basic material: Steel, galvanic zinc plated and passivated, silver
Qty.	20 ST	
Type	TS35X15 ST KTB3020 VER	Version
Order No.	<a href="#">8000116350</a>	Klippon TB (Terminal Box), Enclosures, without slot, Height: 35 mm,
GTIN (EAN)	4099986820678	Width: 251 mm, Depth: 15 mm, Basic material: Steel, galvanic zinc plated and passivated, silver
Qty.	20 ST	

## Depth 7.5 mm



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## Terminal rails

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## General ordering data

Type	TS35X7.5 ST KTB3020 HOR	Version
Order No.	<a href="#">8000116109</a>	Klippon TB (Terminal Box), Enclosures, without slot, Height: 35 mm,
GTIN (EAN)	4099986820562	Width: 142 mm, Depth: 7.5 mm, Basic material: Steel, galvanic zinc plated and passivated, silver
Qty.	20 ST	
Type	TS35X7.5 ST KTB3020 VER	Version
Order No.	<a href="#">8000116099</a>	Klippon TB (Terminal Box), Enclosures, without slot, Height: 35 mm,
GTIN (EAN)	4099986820456	Width: 251 mm, Depth: 7.5 mm, Basic material: Steel, galvanic zinc plated and passivated, silver
Qty.	20 ST	

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## Accessories

## Mounting plates



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## 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, Basic material: Steel, galvanized, galvanic
Qty.	1 ST	zinc plated and passivated, silver

## Installation material



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## General ordering data

Type	FKSC M6X8 D9/SW3	Version
Order No.	<a href="#">0642600000</a>	Klippon TB (Terminal Box), Mounting screw, Basic material: Steel
GTIN (EAN)	4008190058258	
Qty.	50 ST	