

## KTB QL 353520 S4E1

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 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: 350 mm, Width: 350 mm, Depth: 200 mm, Basic material: Stainless steel 1.4404 (316L), electropolished, silver
Order No.	<a href="#">8000109891</a>
Type	KTB QL 353520 S4E1
GTIN (EAN)	4099986759862
Qty.	1 items

**Technical data**

**Approvals**

Approvals



ROHS Conform

**Dimensions and weights**

Depth	200 mm	Depth (inches)	7.874 inch
Height	350 mm	Height (inches)	13.7795 inch
Width	350 mm	Width (inches)	13.7795 inch
Net weight	13435.42 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	3	M75	0
M12	52	M50	3
M16	30	M32	5
M25	12	M20	16
M40	4		

**Cable glands, right**

M25	12	M63	3
M75	0	M16	30
M40	4	M50	3
M32	5	M20	16
M12	52		

**Cable glands, top/bottom**

M20	20	M12	60
M63	3	M40	5
M32	6	M25	16
M50	4	M75	0
M16	36		

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## Technical data

### Certificate numbers enclosure

Certificate No. UL Haz.Loc.	E223792	Declaration of Conformity No. (DoC LVD)	DE PS261X 160412 001ISS03
Certificate No. UL Ord.Loc.	E243298	Certificate No. UL 508A	E223801
Attestation of Conformity 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	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 hex-head slotted screws SW10
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	Continuous M10 earth stud in body enclosure		

### horizontal assembly

WDU 10 / ZDU 10	2x25	WDU 16 / ZDU 16	1x20
WDU 2,5 / ZDU 2,5 / IDU 2,5	2x49	WDU 35 / ZDU 35	1x15

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## Technical data

WDU 4 / ZDU 4	2x41	WDU 6 / ZDU 6	2x31
Fuse holder available	No		

### vertical assembly

WDU 10 / ZDU 10	2x25	WDU 16 / ZDU 16	1x20
WDU 2,5 / ZDU 2,5 / IDU 2,5	2x49	WDU 35 / ZDU 35	1x15
WDU 4 / ZDU 4	2x41	WDU 6 / ZDU 6	2x31

### Classifications

ETIM 8.0	EC002503	ETIM 9.0	EC002503
ETIM 10.0	EC002503	ECLASS 14.0	27-18-05-02
ECLASS 15.0	27-18-05-02		

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## Accessories

### 350 x 350mm



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 3535 MSZN	Version
Order No.	<a href="#">8000110194</a>	Klippon TB (Terminal Box), Mounting plate, Height: 295 mm, Width: 289 mm, Depth: 1.5 mm, Basic material: Sheet steel, galvanized,
GTIN (EAN)	4099986779327	
Qty.	1 ST	silver
Type	KTB MOPL 3535 MSZN H	Version
Order No.	<a href="#">8000115914</a>	Klippon TB (Terminal Box), Mounting plate, Height: 295 mm, Width: 289 mm, Depth: 1.5 mm, Basic material: Sheet steel, galvanized,
GTIN (EAN)	4099986783027	
Qty.	1 ST	silver
Type	KTB MOPL 3535 S2N H	Version
Order No.	<a href="#">8000115903</a>	Klippon TB (Terminal Box), Mounting plate, Height: 259 mm, Width: 289 mm, Depth: 1.5 mm, Basic material: Stainless steel 1.4301
GTIN (EAN)	4099986782921	(304), untreated, silver
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
GTIN (EAN)	4050118070101	1.4301, Stainless steel 1.4301 (304), Mirror polished, silver
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 mm, Width: 12 mm, Depth: 16.4 mm, Basic material: Stainless steel, rust-proof, untreated, silver
GTIN (EAN)	4050118075472	
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: Stainless steel, rust-proof, untreated, silver
GTIN (EAN)	4050118043969	
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: 21 mm, Width: 21 mm, Depth: 48.7 mm, Basic material: Brass, untreated, silver
GTIN (EAN)	4032248974641	
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 mm, Width: 21 mm, Depth: 48.7 mm, Basic material: Stainless steel
GTIN (EAN)	4032248974658	
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 3535 HOR	Version
Order No.	<a href="#">8000117050</a>	Klippon TB (Terminal Box), Enclosures, with slot, Height: 20 mm, Width: 310 mm, Depth: 10 mm, Basic material: Steel, galvanized, silver
GTIN (EAN)	4099986829893	
Qty.	20 ST	
Type	TS20/CX10 ST ZN 3535 VER	Version
Order No.	<a href="#">8000117037</a>	Klippon TB (Terminal Box), Enclosures, straight, Height: 20 mm, Width: 310 mm, Depth: 10 mm, Basic material: Steel, galvanized, silver
GTIN (EAN)	4099986829794	
Qty.	20 ST	

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## Accessories

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### Depth 15 mm



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#### General ordering data

Type	TS35X15 ST KTB3535 HOR	Version
Order No.	<a href="#">8000116370</a>	Klippon TB (Terminal Box), Enclosures, without slot, Height: 35 mm,
GTIN (EAN)	4099986820784	Width: 289 mm, Depth: 15 mm, Basic material: Steel, galvanic zinc
Qty.	20 ST	plated and passivated, silver
Type	TS35X15 ST KTB3535 VER	Version
Order No.	<a href="#">8000116351</a>	Klippon TB (Terminal Box), Enclosures, without slot, Height: 35 mm,
GTIN (EAN)	4099986820685	Width: 295 mm, Depth: 15 mm, Basic material: Steel, galvanic zinc
Qty.	20 ST	plated and passivated, silver

### Depth 7.5 mm



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#### General ordering data

Type	TS35X7.5 ST KTB3535 HOR	Version
Order No.	<a href="#">8000116110</a>	Klippon TB (Terminal Box), Enclosures, without slot, Height: 35 mm,
GTIN (EAN)	4099986820579	Width: 289 mm, Depth: 7.5 mm, Basic material: Steel, galvanic zinc
Qty.	20 ST	plated and passivated, silver
Type	TS35X7.5 ST KTB3535 VER	Version
Order No.	<a href="#">8000116100</a>	Klippon TB (Terminal Box), Enclosures, without slot, Height: 35 mm,
GTIN (EAN)	4099986820463	Width: 295 mm, Depth: 7.5 mm, Basic material: Steel, galvanic zinc
Qty.	20 ST	plated and passivated, silver

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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: 8.5 mm, Depth: 8.5 mm, Basic material: Steel, galvanized, galvanic zinc plated and passivated, silver	
GTIN (EAN)	4050118063820		
Qty.	1 ST		

### 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		