

KTB QL 353520 S4E3

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

www.weidmueller.com

Similar to illustration



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 19 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.	8000109892
Type	KTB QL 353520 S4E3
GTIN (EAN)	4099986759879
Qty.	1 items

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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	14745.82 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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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, IK10 in accordance with IEC 62262, 20 Joule	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

Number of DIN rails and terminals (10 mm ² , horizontal)	2x25	Number of DIN rails and terminals (16 mm ² , horizontal)	1x20
Number of DIN rails and terminals (2.5 mm ² , horizontal)	2x49	Number of DIN rails and terminals (35 mm ² , horizontal)	1x15
Number of DIN rails and terminals (4 mm ² , horizontal)	2x41	Number of DIN rails and terminals (6 mm ² , horizontal)	2x31
Fuse holder available	No		

vertical assembly

Number of DIN rails and terminals (10 mm ² , vertical)	2x25	Number of DIN rails and terminals (16 mm ² , vertical)	1x20
Number of DIN rails and terminals (2.5 mm ² , vertical)	2x49	Number of DIN rails and terminals (35 mm ² , vertical)	1x15
Number of DIN rails and terminals (4 mm ² , vertical)	2x41	Number of DIN rails and terminals (6 mm ² , vertical)	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

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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.	8000110194	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.	8000115914	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.	8000115903	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.	1279320000	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.	1191610000	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.	1191590000	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.	1191600000	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.	1285200000	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.	1252190000	Klippon TB (Terminal Box), Type plate fixings set, Basic material: Stainless steel, rust-proof, untreated, silver
GTIN (EAN)	4050118043969	
Qty.	1 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.	1192680000	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.	1192690000	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.	8000117050	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.	8000117037	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

Depth 15 mm



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Terminal rails

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General ordering data

Type	TS35X15 ST KTB3535 HOR	Version
Order No.	8000116370	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.	8000116351	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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Terminal rails

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General ordering data

Type	TS35X7.5 ST KTB3535 HOR	Version
Order No.	8000116110	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.	8000116100	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



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: 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.	0642600000	Klippon TB (Terminal Box), Mounting screw, Basic material: Steel	
GTIN (EAN)	4008190058258		
Qty.	50 ST		

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Accessories

Gland plates without earthing studs



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Flange plates

Flange plates in two thicknesses, for easy replacement of pre-assembl

General ordering data

Type	KTB GP XX3520V AB S4 3MM	Version
Order No.	8000113000	Klippon TB (Terminal Box), flange plate, straight, Height: 340 mm,
GTIN (EAN)	4099986799424	Width: 167 mm, Depth: 3 mm, Gland plates: Bottom, top, Basic
Qty.	1 ST	material: Stainless steel 1.4404 (316L), electropolished, silver

Gland plates with earthing studs



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Flange plates

Flange plates in two thicknesses, for easy replacement of pre-assembl

General ordering data

Type	KTB GP XX3520 AB S4 PE	Version
Order No.	8000114905	Klippon TB (Terminal Box), flange plate, straight, Height: 340 mm,
GTIN (EAN)	4099986797468	Width: 167 mm, Depth: 3 mm, Gland plates: top, Bottom, Basic
Qty.	1 ST	material: Stainless steel 1.4404 (316L), electropolished, silver

Gland plates made out of stainless steel - 6 mm



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Flange plates

Flange plates in two thicknesses, for easy replacement of pre-assembl

General ordering data

Type	KTB GP XX3520 AB S4 6MM	Version
Order No.	8000114130	Klippon TB (Terminal Box), flange plate, straight, Height: 340 mm,
GTIN (EAN)	4099986804708	Width: 167 mm, Depth: 6 mm, Gland plates: top, Bottom, Basic
Qty.	1 ST	material: Stainless steel 1.4404 (316L), electropolished, silver

KTB QL 353520 S4E3

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Accessories

Gland plates with earthing studs



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Flange plates

Flange plates in two thicknesses, for easy replacement of pre-assembl

General ordering data

Type	KTB GP 35XX20 CD S4 PE	Version
Order No.	8000114906	
GTIN (EAN)	4099986797475	
Qty.	1 ST	

Gland plates without earthing studs



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Flange plates

Flange plates in two thicknesses, for easy replacement of pre-assembl

General ordering data

Type	KTB GP 35XX20 CD S4 3MM	Version
Order No.	8000112979	
GTIN (EAN)	4099986799219	
Qty.	1 ST	

Gland plates made out of stainless steel - 6 mm



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Flange plates

Flange plates in two thicknesses, for easy replacement of pre-assembl

General ordering data

Type	KTB GP 35XX20 CD S4 6MM	Version
Order No.	8000114132	
GTIN (EAN)	4099986804715	
Qty.	1 ST	