

KTB QL 221513 S4E3

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

www.weidmueller.com

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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: 229 mm, Width: 152 mm, Depth: 133 mm, Gland plates: Bottom, left, right, Basic material: Stainless steel 1.4404 (316L), electropolished, silver
Order No.	1199880000
Type	KTB QL 221513 S4E3
GTIN (EAN)	4032248982738
Qty.	1 items

KTB QL 221513 S4E3

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E243298

Dimensions and weights

Depth	133 mm
Height	229 mm
Width	152 mm
Mounting dimension - height	152 mm
Net weight	3740 g

Depth (inches)	5.2362 inch
Height (inches)	9.0157 inch
Width (inches)	5.9842 inch
Mounting dimension - width	208 mm

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	8d5fcdfe-c58e-44e1-a6b4-74d2bbccc9dd

Cable glands, left

M63	0
M12	8
M16	6
M25	2
M40	2

M75	0
M50	0
M32	2
M20	3

Cable glands, right

M25	2
M75	0
M40	2
M32	2
M12	8

M63	0
M16	6
M50	0
M20	3

Cable glands, top/bottom

M20	2
M63	0

M12	6
M40	1

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Technical data

M32	1
M50	0
M16	5

M25	2
M75	0

Certificate numbers enclosure

Certificate No. UL Haz.Loc.	E223792
Certificate No. UL Ord.Loc.	E243298
Attestation of Conformatiy No. (AoC)	DE PS261X 160309 001SS06
Certificate No. Electronic Box (NEPSI)	2020322303003289
Certificate no. Terminal Box (KOSHA)	16-AV4BO-0245X
Certificate No. (DNV)	TAE000013S
Certificate No. (CCOE)	P461058_1
Certificate no. empty enclosure (ATEX)	IBExU14ATEX1028 U
Certificate no. (INMETRO)	IEX17.0021
Certificate no. empty enclosure (IECEx)	IECEx IBE 14.0004U
Certificate No. (ATEX)	KEMA10ATEX0046U

Declaration of Conformatiy No. (DoC LVD)	DE PS261X 160412 001SS03
Certificate No. UL 508A	E223801
Certificate No. UL Terminal Box	E223792
Certificate no. empty enclosure (ECAS)	21-09-25241/ E21-09-053807
Certificate no. empty enclosure (INMETRO)	LMP 21.0016U
Certificate no. Terminal Box (AEx)	E223792
Certificate no. Terminal Box (ATEX)	IBExU14ATEX1050
Certificate no. Terminal Box (INMETRO)	LMP 21.0017
Certificate no. Terminal Box (IECEx)	IECExIBE14.0013
Certificate No. (IECEx)	IECExKEM10.0015U
Approval conditions	ATEX, CCoE, DNV, IECEx, INMETRO, KC, NEPSI, CCC, UL AEx Class Div., UL AEx Class Zone, cULus

Certificate no. (cULus)	E243298
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General information

Material thickness of cover	1.5 mm
Material thickness of enclosure	1.5 mm
Operating temperature, min.	-60 °C
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
Impact resistance	7 J ATEX version, 10 J version standard
Protection degree	IP66
Seal material	Silicone
Enclosure attachment	4 welded-on mounting feet with 11 mm holes (2 slotted feet and 2 cross-shaped feet)
Flange plate mounting	M6 hexagonal head screws 10 SW
Gland plates	Bottom, left, right
Access opening: width	93 mm
Overall dimensions	240 x 233 x 143
Max. payload	14 kg
Position PE bolts	Enclosure side C

Material thickness of flange	3 mm
Operating temperature, max.	135 °C
Lid attachment	Quarter-turn fastener with slotted insert
Surface finish	electropolished
AF size	10 mm
Basic material	Stainless steel 1.4404 (316L)
Integral fixing	4, 6 or 9 stud bolts M6 inner (female) thread
Note: protection class	If used in temperature ranges above 105 °C, IP protection is limited to IP 66.
Protection class (UL)	Type 3, Type 4X, Type 12
Dimension of box	350x390x220
Opening angle lid	130.00 °
Flange plate	Yes
Access opening: height	176 mm
Areas of use	Explosive risk zone, Process industry, Oil and gas industry, Chemical industry, Offshore, Onshore

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Technical data**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	1x7
WDU 2,5 / ZDU 2,5 / IDU 2,5	1x15
WDU 6 / ZDU 6	1x9

WDU 16 / ZDU 16	1x6
WDU 4 / ZDU 4	1x13

vertical assembly

WDU 2,5 / ZDU 2,5 / IDU 2,5	1x29
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Classifications

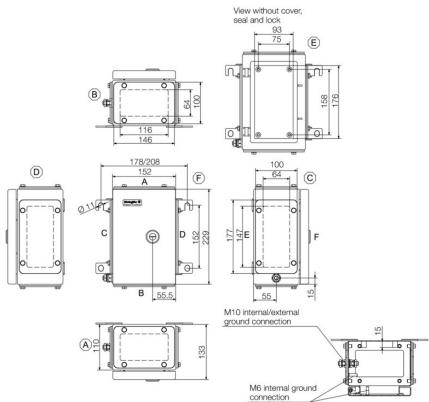
ETIM 8.0	EC002503
ETIM 10.0	EC002503
ECLASS 15.0	27-18-05-02

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

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Drawings

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Accessories

229 x 152mm



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 2215 MSZN	Version
Order No.	1193930000	Klippon TB (Terminal Box), Mounting plate, Height: 174 mm, Width: 91 mm, Depth: 1.5 mm, Basic material: Sheet steel, galvanized, silver
GTIN (EAN)	4050118028546	
Qty.	1 ST	
Type	KTB MOPL 2215 S2N	Version
Order No.	1193810000	Klippon TB (Terminal Box), Mounting plate, Height: 174 mm, Width: 91 mm, Depth: 1.5 mm, Basic material: Stainless steel 1.4301 (304), untreated, silver
GTIN (EAN)	4050118028409	
Qty.	1 ST	
Type	KTB MOPL 2215 MSZN H	Version
Order No.	2022050000	Klippon TB (Terminal Box), Mounting plate, prepunched, Height: 174 mm, Width: 91 mm, Depth: 1.5 mm, Basic material: Sheet steel, galvanized, silver
GTIN (EAN)	4050118403442	
Qty.	1 ST	
Type	KTB MOPL 2215 S2N H	Version
Order No.	1257650000	Klippon TB (Terminal Box), Mounting plate, prepunched, Height: 174 mm, Width: 91 mm, Depth: 1.5 mm, Basic material: Stainless steel 1.4301 (304), untreated, silver
GTIN (EAN)	4050118049305	
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 XX1513V AB S4 3MM	Version
Order No.	1280890000	Klippon TB (Terminal Box), flange plate, straight, Height: 146 mm, Width: 100 mm, Depth: 3 mm, Gland plates: top, Bottom, Basic material: Stainless steel 1.4404, Stainless steel 1.4404 (316L), electropolished, silver
GTIN (EAN)	4050118071627	
Qty.	1 ST	
Type	KTB GP 22XX13V CD S4 3MM	Version
Order No.	1280900000	Klippon TB (Terminal Box), flange plate, straight, Height: 177 mm, Width: 100 mm, Depth: 3 mm, Gland plates: left, right, Basic material: Stainless steel 1.4404, Stainless steel 1.4404 (316L), electropolished, silver
GTIN (EAN)	4050118071757	
Qty.	1 ST	

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Accessories

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 XX1513V AB S4 6MM	Version
Order No.	1256270000	Klippon TB (Terminal Box), flange plate, straight, Height: 146 mm,
GTIN (EAN)	4050118092592	Width: 100 mm, Depth: 6 mm, Gland plates: top, Bottom, Basic
Qty.	1 ST	material: Stainless steel 1.4404, electropolished, silver
Type	KTB GP 22XX13V CD S4 6MM	Version
Order No.	1256280000	Klippon TB (Terminal Box), flange plate, straight, Height: 177
GTIN (EAN)	4050118093704	mm, Width: 100 mm, Depth: 6 mm, Gland plates: left, right, Basic
Qty.	1 ST	material: Stainless steel 1.4404, 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 XX1513V AB S4 PE	Version
Order No.	2022770000	Klippon TB (Terminal Box), flange plate, straight, Height: 146 mm,
GTIN (EAN)	4050118403916	Width: 100 mm, Depth: 3 mm, Gland plates: top, Bottom, Basic
Qty.	1 ST	material: Stainless steel 1.4404, electropolished, silver
Type	KTB GP 22XX13V CD S4 PE	Version
Order No.	2022900000	Klippon TB (Terminal Box), flange plate, straight, Height: 177 mm,
GTIN (EAN)	4050118403510	Width: 100 mm, Depth: 3 mm, Gland plates: left, right, Basic material:
Qty.	1 ST	Stainless steel 1.4404, electropolished, silver

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Accessories

Stainless steel 1.4301



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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 221513 R	Version
Order No.	1281360000	Klippon TB (Terminal Box), Rain hood, Height: 50.9 mm, Width: 157
GTIN (EAN)	4050118072075	mm, Depth: 142.8 mm, Basic material: Stainless steel 1.4301, Mirror polished, 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
GTIN (EAN)	4050118070101	mm, Width: 70 mm, Depth: 20 mm, Basic material: Stainless steel 1.4301, Stainless steel 1.4301 (304), Mirror polished, silver
Qty.	1 ST	

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.

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Accessories

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.

General ordering data

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

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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:
GTIN (EAN)	4032248974641	21 mm, Width: 21 mm, Depth: 48.7 mm, Basic material: Brass,
Qty.	1 ST	untreated, silver
Type	PEBZ M10 KTB S4 SET	Version
Order No.	1192690000	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

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, Ssrewed, Basic material:
GTIN (EAN)	4050118487206	Steel, Green/yellow
Qty.	1 ST	

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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 XX1513V S4E R	Version
Order No.	1314090000	Klippon TB (Terminal Box), Rain hood, Height: 50.9 mm, Width: 157
GTIN (EAN)	4050118117332	mm, Depth: 142.8 mm, Basic material: Stainless steel 1.4404 (316L),
Qty.	1 ST	electropolished, silver

Depth 7.5 mm



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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	TS35X7.5 ST KTB2215 VER	Version
Order No.	8000006708	Rail, TS 35, TS 35 x 7.5, Width: 174 mm, without slot, Steel,
GTIN (EAN)	4050118652819	galvanized, chromium-plated
Qty.	20 ST	
Type	TS35X7.5 ST KTB2215 HOR	Version
Order No.	8000006720	Rail, TS 35, TS 35 x 7.5, Width: 91 mm, without slot, Steel,
GTIN (EAN)	4050118652888	galvanized, chromium-plated
Qty.	20 ST	

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.

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Accessories

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

Depth 15 mm



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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	TS35X15 ST KTB2215 HOR	Version
Order No.	8000073108	Rail, TS 35, TS 35 x 15, Width: 91 mm, without slot, Steel, galvanic
GTIN (EAN)	4064675340584	zinc plated and passivated
Qty.	20 ST	
Type	TS35X15 ST KTB2215 VER	Version
Order No.	8000073109	Rail, TS 35, TS 35 x 15, Width: 174 mm, without slot, Steel, galvanic
GTIN (EAN)	4064675340591	zinc plated and passivated
Qty.	20 ST	

Installation material



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Accessories**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	