Data sheet

KTB QL 624020 S4E0

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: 620 mm, Width: 406 mm, Depth: 200 mm, Basic material: Stainless steel 1.4404 (316L), electropolished, silver
Order No.	8000109905
Type	KTB QL 624020 S4E0
GTIN (EAN)	4099986760004
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	620 mm	Height (inches)	24.4094 inch
Width	406 mm	Width (inches)	15.9842 inch
Net weight	17906.29 g		

Temperatures

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

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	5	M75	4
M12	125	M50	6
M16	68	M32	20
M25	39	M20	64
M40	16		

Cable glands, right

M25	39	M63	5
M75	4	M16	68
M40	16	M50	6
M32	20	M20	64
M12	125		

Cable glands, top/bottom

M20	44	M12	102
M63	3	M40	10
M32	14	M25	27
M50	4	M75	2
M16	65		

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Technical data

Certificate numbers enclosure

Certificate No. UL Haz.Loc.	E223792	Declaration of Conformatiy No. (DoC LVD)	DE PS261X 160412 001ISS03
Certificate No. UL Ord.Loc.	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	4x30	WDU 16 / ZDU 16	3x24
WDU 2,5 / ZDU 2,5 / IDU 2,5	5x59	WDU 35 / ZDU 35	2x18
WDU 4 / ZDU 4	5x49	WDU 6 / ZDU 6	4x37
Fuse holder available	No		

vertical assembly

WDU 10 / ZDU 10	2x49	WDU 16 / ZDU 16	2x42
WDU 2,5 / ZDU 2,5 / IDU 2,5	3x101	WDU 35 / ZDU 35	1x31
WDU 4 / ZDU 4	3x83	WDU 6 / ZDU 6	3x62

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

620 x 400mm

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 6240 MSZN	Version
Order No.	8000110198	Klippon TB (Terminal Box), Mounting plate, Height: 565 mm, Width:
GTIN (EAN)	4099986779358	345 mm, Depth: 12 mm, Basic material: Sheet steel, galvanized, silver
Qty.	1 ST	
Type	KTB MOPL 6240 MSZN H	Version
Order No.	8000115917	Klippon TB (Terminal Box), Mounting plate, Height: 565 mm, Width:
GTIN (EAN)	4099986783058	345 mm, Depth: 12 mm, Basic material: Sheet steel, galvanized, silver
Qty.	1 ST	
Type	KTB MOPL 6240 S2N H	Version
Order No.	8000115906	Klippon TB (Terminal Box), Mounting plate, Height: 565 mm, Width:
GTIN (EAN)	4099986782952	345 mm, Depth: 12 mm, Basic material: Stainless steel 1.4301 (304),
Qty.	1 ST	untreated, silver

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
Qty.	1 ST	1.4301, Stainless steel 1.4301 (304), Mirror polished, silver

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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
GTIN (EAN)	4050118075472	mm, Width: 12 mm, Depth: 16.4 mm, Basic material: Stainless steel,
Qty.	1 ST	rust-proof, untreated, silver
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	

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

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 6240 HOR	Version
Order No.	8000117053	Klippon TB (Terminal Box), Enclosures, with slot, Height: 20 mm,
GTIN (EAN)	4099986829923	Width: 352 mm, Depth: 10 mm, Basic material: Steel, galvanized,
Qty.	20 ST	silver
Type	TS20/CX10 ST ZN 6240 VER	Version
Order No.	8000117040	Klippon TB (Terminal Box), Enclosures, straight, Height: 20 mm,
GTIN (EAN)	4099986829824	Width: 566 mm, Depth: 10 mm, Basic material: Steel, galvanized,
Qty.	20 ST	silver

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Accessories

Depth 15 mm

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General ordering data

Type	TS35X15 ST KTB6240 HOR	Version
Order No.	8000116373	Klippon TB (Terminal Box), Enclosures, without slot, Height: 35 mm,
GTIN (EAN)	4099986820814	Width: 331 mm, Depth: 15 mm, Basic material: Steel, galvanic zinc
Qty.	20 ST	plated and passivated, silver
Type	TS35X15 ST KTB6240 VER	Version
Order No.	8000116355	Klippon TB (Terminal Box), Enclosures, without slot, Height: 35 mm,
GTIN (EAN)	4099986820715	Width: 551 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 KTB6240 HOR	Version
Order No.	8000116113	Klippon TB (Terminal Box), Enclosures, without slot, Height: 35 mm,
GTIN (EAN)	4099986820616	Width: 331 mm, Depth: 7.5 mm, Basic material: Steel, galvanic zinc
Qty.	20 ST	plated and passivated, silver
Type	TS35X7.5 ST KTB6240 VER	Version
Order No.	8000116103	Klippon TB (Terminal Box), Enclosures, without slot, Height: 35 mm,
GTIN (EAN)	4099986820494	Width: 551 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:
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.	0642600000	Klippon TB (Terminal Box), Mounting screw, Basic material: Steel
GTIN (EAN)	4008190058258	
Qty.	50 ST	