

KTB MH 353520 S4E1**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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 MH enclosure range offers further improvements to a product line that is already successfully leading the market.

The Klippon® TB MH enclosure range has the following advantages:

- Available in 15 sizes and 3 standard depths
- Equipped with up to 4 gland plates
- The gasket is protected against compression
- Completely removable padlock tab
- Cover lock outside the sealed zone
- Improved temperature performance
- IP66/IP67 protection
- Completely removable lid – without a tool
- Earthing stud in the cover and base of the enclosure
- Welded mounting feet
- International approvals

General ordering data

Version	Klippon TB MH (Terminal Box - Multi Hinge), Empty enclosure, Height: 350 mm, Width: 350 mm, Depth: 150 mm, Gland plates: Bottom, Material: Stainless steel 1.4404 (316L), electropolished, silver
Order No.	8000108838
Type	KTB MH 353520 S4E1
GTIN (EAN)	4099986660441
Qty.	1 pc(s).

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Technical data
Dimensions and weights

Depth	150 mm	Depth (inches)	5.905 inch
Height	350 mm	Height (inches)	13.78 inch
Width	350 mm	Width (inches)	13.78 inch
Net weight	9,950 g		

Temperatures

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

Cable glands, left

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

Cable glands, right

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

Cable glands, top/bottom

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

Certificate numbers enclosure

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

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Technical data
General information

Enclosure attachment	4 welded-on mounting feet with 11 mm holes (2 slotted feet and 2 cross-shaped feet)	Flange plate	Yes
Gland plates	Bottom	Impact resistance	10 J version standard, 7 joules in acc. with IEC 60079-0
Lid	Yes	Lid attachment	4 hinges and M6 hex-head slotted screws SW10
Material	Stainless steel 1.4404 (316L)	Material thickness of cover	1.5 mm
Material thickness of enclosure	1.5 mm	Material thickness of flange	3 mm
Note: protection class	If used in temperature ranges above 105 °C, IP protection is limited to IP 66.	Number of lid screws	4
Opening angle lid	130 °	Operating temperature, max.	135 °C
Operating temperature, min.	-60 °C	Position PE bolts	Enclosure side C
Protection class (UL)	Type 3, Type 4X, Type 12	Protection degree	IP66, IP67
Seal material	Silicone	Seal material of flange plate	Silicone
Surface finish	electropolished	Torque for lid screws	2.5 Nm

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.		

horizontal assembly

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

vertical assembly

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

Classifications

ETIM 6.0	EC002503	ETIM 7.0	EC002503
ETIM 8.0	EC002503	ETIM 9.0	EC002503
ETIM 10.0	EC002503	ECLASS 9.0	27-18-05-02
ECLASS 9.1	27-18-05-02	ECLASS 10.0	27-18-05-02
ECLASS 11.0	27-18-05-02	ECLASS 12.0	27-18-05-02
ECLASS 13.0	27-18-05-02	ECLASS 14.0	27-18-05-02
ECLASS 15.0	27-18-05-02		

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Technical data

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

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/
ROHS	Conform

Downloads

Approval/Certificate/Document of Conformity	CCC 2020322303002358 KTB Assembly Enclosure CCC 2020322303002357 KTB Empty Enclosure CERTIFICADO - LMP 21.0016U_INVOLUCRO VAZIO KLIPPON TB FS... (KTB FS), TB MH... (KTB MH), TB QL... (KTB QL) (Rev.02) Attestation of Conformity - Klippon TB Empty Enclosures - AoC DE PS261X 160309 001ISS06 UKCA Attestation of Conformity - Klippon TB Empty Enclosures - AoC UKCA DE PS261X 220623 000ISS00 IBEXU14ATEX1028U IBEXU14ATEX1050 IECEXIBE14.0004U IECEXIBE14.0013 TAE000013S P4610581_1 24-01-100099/E24-01-102546/NB10 CERTIFICADO LMP 21.0017 KLIPPON TB EU Declaration of Conformity - Klippon TB Empty Enclosures - DoC DE PS261X 160412 001ISS03 UKCA Declaration of Conformity - Klippon TB Empty Enclosures - UKCA DE PS261X 220623 001ISS00
Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format

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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.	8000110194	Klippon TB (Terminal Box), Mounting plate, Height: 295 mm, Width:
GTIN (EAN)	4099986779327	289 mm, Depth: 1.5 mm, Material: Sheet steel, galvanized, silver
Qty.	1 pc(s).	
Type	KTB MOPL 3535 S2N H	Version
Order No.	8000115903	Klippon TB (Terminal Box), Mounting plate, Height: 259 mm, Width:
GTIN (EAN)	4099986782921	289 mm, Depth: 1.5 mm, Material: Stainless steel 1.4301 (304),
Qty.	1 pc(s).	untreated, silver
Type	KTB MOPL 3535 MSZN H	Version
Order No.	8000115914	Klippon TB (Terminal Box), Mounting plate, Height: 295 mm, Width:
GTIN (EAN)	4099986783027	289 mm, Depth: 1.5 mm, Material: Sheet steel, galvanized, silver
Qty.	1 pc(s).	

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, Material: Steel, galvanized, galvanic zinc
Qty.	1 pc(s).	plated and passivated, silver

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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 XX3520 AB S4 6MM	Version
Order No.	8000114130	Klippon TB (Terminal Box), flange plate, Height: 340 mm, Width: 167
GTIN (EAN)	4099986804708	mm, Depth: 6 mm, Gland plates: top, Bottom, Material: Stainless steel
Qty.	1 pc(s).	1.4404 (316L), electropolished, 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, Material: Stainless steel 1.4301,
Qty.	1 pc(s).	Mirror polished, silver

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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, Height: 340 mm, Width: 167
GTIN (EAN)	4099986799424	mm, Depth: 3 mm, Gland plates: Bottom, top, Material: Stainless steel
Qty.	1 pc(s).	1.4404 (316L), electropolished, silver

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
GTIN (EAN)	4032248974641	mm, Width: 21 mm, Depth: 48.7 mm, Material: Brass, untreated, silver
Qty.	1 pc(s).	
Type	PEBZ M10 KTB S4 SET	Version
Order No.	1192690000	Klippon TB (Terminal Box), Earthing stud, Miscellaneous, Height:
GTIN (EAN)	4032248974658	21 mm, Width: 21 mm, Depth: 48.7 mm, Material: Stainless steel
Qty.	1 pc(s).	1.4404, untreated, silver

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Accessories

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, Material: Stainless steel, rust-
Qty.	1 pc(s).	proof, untreated, silver
Type	TPSD FIXING SET KTB	Version
Order No.	1252190000	Klippon TB (Terminal Box), Type plate fixings set, Material: Stainless
GTIN (EAN)	4050118043969	steel, rust-proof, untreated, silver
Qty.	20 pc(s).	
Type	FKSC M6X8 D9/SW3	Version
Order No.	0642600000	Klippon TB (Terminal Box), Mounting screw, Material: Steel
GTIN (EAN)	4008190058258	
Qty.	50 pc(s).	

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Accessories

TS 20



General ordering data

Type	TS20/CX10 ST ZN 3535 VER	Version
Order No.	8000117037	Klippon TB (Terminal Box), Enclosures, Height: 20 mm, Width: 310 mm, Depth: 10 mm, Material: Steel, galvanized, silver
GTIN (EAN)	4099986829794	
Qty.	20 pc(s).	
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, Material: Steel, galvanized, silver
GTIN (EAN)	4099986829893	
Qty.	20 pc(s).	

Depth 15 mm



General ordering data

Type	TS35X15 ST KTB3535 VER	Version
Order No.	8000116351	Klippon TB (Terminal Box), Enclosures, without slot, Height: 35 mm, Width: 295 mm, Depth: 15 mm, Material: Steel, galvanic zinc plated and passivated, silver
GTIN (EAN)	4099986820685	
Qty.	20 pc(s).	
Type	TS35X15 ST KTB3535 HOR	Version
Order No.	8000116370	Klippon TB (Terminal Box), Enclosures, without slot, Height: 35 mm, Width: 289 mm, Depth: 15 mm, Material: Steel, galvanic zinc plated and passivated, silver
GTIN (EAN)	4099986820784	
Qty.	20 pc(s).	

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Accessories

Depth 7.5 mm



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, Material: Steel, galvanic zinc plated
Qty.	20 pc(s).	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, Material: Steel, galvanic zinc plated
Qty.	20 pc(s).	and passivated, 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, Gland plates: top, Bottom,
GTIN (EAN)	4099986797468	Material: Stainless steel 1.4404 (316L), electropolished, silver
Qty.	1 pc(s).	