Data sheet

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, Basic material: Stainless steel 1.4404 (316L), electropolished, silver
Order No.	8000108838
Type	KTB MH 353520 S4E1
GTIN (EAN)	4099986660441
Qty.	1 items

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Technical data

Approvals

Approvals	CE UKCA
ROHS	Conform

Dimensions and weights

Depth	150 mm	Depth (inches)	5.9055 inch
Height	350 mm	Height (inches)	13.7795 inch
Width	350 mm	Width (inches)	13.7795 inch
Net weight	9950 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	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 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
Operating temperature, max.	135 °C	Operating temperature, min.	-60 °C
Lid attachment	4 hinges and M6 hex-head slotted screws SW10	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
Torque for lid screws	2.5 Nm	Enclosure attachment	4 welded-on mounting feet with 11 mm holes (2 slotted feet and 2 cross-shaped feet)
Note: protection class	If used in temperature ranges above 105 °C, IP protection is limited to IP 66.	Seal material of flange plate	Silicone
Protection class (UL)	Type 3, Type 4X, Type 12	Number of lid screws	4
Gland plates	Bottom	Opening angle lid	130.00 °
Flange plate	Yes	Lid	Yes
Position PE bolts	Enclosure side C	Areas of use	Process industry, Explosive risk zone

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		

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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

Gland plates without earthing studs

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.
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

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Accessories

350 x 350mm

Integrate, expand and customise: The ideal expansion for every application
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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, Basic material: Sheet steel, galvanized,
Qty.	1 ST	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, Basic material: Sheet steel, galvanized,
Qty.	1 ST	silver
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, Basic material: Stainless steel 1.4301
Qty.	1 ST	(304), 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

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,
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

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Accessories

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 3535 HOR	Version
Order No.	8000117050	Klippon TB (Terminal Box), Enclosures, with slot, Height: 20 mm,
GTIN (EAN)	4099986829893	Width: 310 mm, Depth: 10 mm, Basic material: Steel, galvanized,
Qty.	20 ST	silver
Type	TS20/CX10 ST ZN 3535 VER	Version
Order No.	8000117037	Klippon TB (Terminal Box), Enclosures, straight, Height: 20 mm,
GTIN (EAN)	4099986829794	Width: 310 mm, Depth: 10 mm, Basic material: Steel, galvanized,
Qty.	20 ST	silver

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

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Accessories

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

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

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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	