

KTB MH 507620 S4E1

Weidmüller Interface GmbH & Co. KG
Klingenbergsstraße 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 1 gland plate
- 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, stainless steel enclosure, Height: 500 mm, Width: 760 mm, Depth: 200 mm, Gland plates: Bottom, Basic material: Stainless steel 1.4404 (316L), electropolished, silver
Order No.	2698090000
Type	KTB MH 507620 S4E1
GTIN (EAN)	4064675030805
Qty.	1 items

KTB MH 507620 S4E1

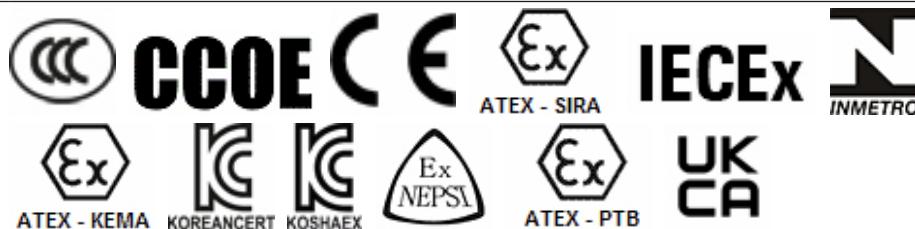
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Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

Depth	200 mm
Height	500 mm
Width	760 mm
Mounting dimension - height	534 mm
Net weight	21350 g

Depth (inches)	7.874 inch
Height (inches)	19.685 inch
Width (inches)	29.9212 inch
Mounting dimension - width	508 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	8d5fcfde-c58e-44e1-a6b4-74d2bbccc9dd

Cable glands, left

M63	4
M12	70
M16	48
M25	26
M40	12

M75	3
M50	5
M32	14
M20	32

Cable glands, right

M25	26
M75	3
M40	12
M32	14
M12	70

M63	4
M16	48
M50	5
M20	32

Cable glands, top/bottom

M20	40
M63	6
M32	18
M50	6
M16	64

M12	96
M40	14
M25	34
M75	4

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Certificate numbers enclosure

Declaration of Conformatiy No. (DoC LVD)	DE PS261X 160412 001SS03	Attestation of Conformatiy No. (AoC)	DE PS261X 160309 001SS06
Certificate no. empty enclosure (ECAS)	21-09-25241/ E21-09-053807	Certificate no. Terminal Box (KOSHA)	16-AV4BO-0245X
Certificate no. empty enclosure (INMETRO)	LMP 21.0016U	Certificate no. Terminal Box (NEPSI)	GYJ14.1309
Certificate no. empty enclosure (NEPSI)	GYJ14.1308U	Certificate No. (CCOE)	P461058_1
Certificate no. Terminal Box (ATEX)	IBExU14ATEX1050	Certificate no. empty enclosure (ATEX)	IBExU14ATEX1028 U
Certificate no. Terminal Box (INMETRO)	LMP 21.0017	Certificate no. (INMETRO)	IEX17.0021
Certificate no. Terminal Box (IECEx)	IECEXIBE14.0013	Certificate no. empty enclosure (IECEx)	IECEx IBE 14.0004U
Certificate No. (IECEx)	IECEXPTB11.0071	Certificate No. (ATEX)	PTB11ATEX2019
Approval conditions	ATEX, CCoE, DNV, IECEx, INMETRO, KC, NEPSI, CCC, UL AEx Class Div., UL AEx Class Zone, cULus		

General information

Material thickness of cover	1.5 mm	Material thickness of flange	3 mm
Material thickness of enclosure	1.5 mm	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	7 J ATEX version, 10 J version standard	AF size	10 mm
Protection degree	IP66, IP67	Basic material	Stainless steel 1.4404 (316L)
Seal material	Silicone	Torque for lid screws	2.5 Nm
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)
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
Protection class (UL)	Type 3, Type 4X, Type 12	Number of lid screws	12
Gland plates	Bottom	Dimension of box	920x690x290
Access opening: width	709 mm	Opening angle lid	130.00 °
Overall dimensions	521x794x215	Flange plate	Yes
Max. payload	155 kg	Access opening: height	449 mm
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, 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	3x67
WDU 2,5 / ZDU 2,5 / IDU 2,5	4x132
WDU 4 / ZDU 4	4x111

WDU 16 / ZDU 16	2x56
WDU 35 / ZDU 35	2x42
WDU 6 / ZDU 6	3x83

vertical assembly

WDU 10 / ZDU 10	5x42
WDU 2,5 / ZDU 2,5 / IDU 2,5	7x82
WDU 4 / ZDU 4	6x69

WDU 16 / ZDU 16	4x35
WDU 35 / ZDU 35	3x26
WDU 6 / ZDU 6	5x52

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

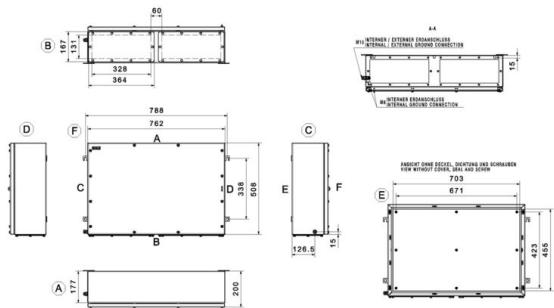
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Drawings

Dimensioned drawing



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Accessories

Type label holder



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.

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 100X25 S2 2R	Version
Order No.	1257640000	Klippon TB (Terminal Box), Ratings plate holder, Riveted, Height: 25
GTIN (EAN)	4050118070354	mm, Width: 141 mm, Depth: 16.5 mm, Basic material: Stainless steel
Qty.	1 ST	1.4301, Stainless steel 1.4301 (304), Mirror polished, silver
Type	TPSDHA KTB 130X50 S2 R	Version
Order No.	1283450000	Klippon TB (Terminal Box), Ratings plate holder, Riveted, Height: 50
GTIN (EAN)	4050118073621	mm, Width: 171 mm, Depth: 16.5 mm, Basic material: Stainless steel
Qty.	1 ST	1.4301, Stainless steel 1.4301 (304), Mirror polished, silver
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

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, 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	

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, untreated, silver
Qty.	1 ST	
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

Document holders



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Document holders

Document holders for the proper storage of documents in the enclosure

General ordering data

Type	DOHA KTB A6 S2 R	Version
Order No.	1252780000	Klippon TB (Terminal Box), Document holders, Riveted, Height: 110
GTIN (EAN)	4050118045512	mm, Width: 130 mm, Depth: 20 mm, Basic material: Stainless steel
Qty.	1 ST	1.4301, Stainless steel 1.4301 (304), Mirror polished, silver
Type	DOHA KTB A5 S2 R	Version
Order No.	1252750000	Klippon TB (Terminal Box), Document holders, Riveted, Height: 150
GTIN (EAN)	4050118045390	mm, Width: 180 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

Type	DOHA KTB A4 S2 R	Version
Order No.	1252730000	Klippon TB (Terminal Box), Document holders, Riveted, Height: 200
GTIN (EAN)	4050118045383	mm, Width: 240 mm, Depth: 20 mm, Basic material: Stainless steel
Qty.	1 ST	1.4301, Stainless steel 1.4301 (304), Mirror polished, 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

508 x 762 mm



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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 5076 MSZN	Version
Order No.	2716120000	Klippon TB (Terminal Box), Mounting plate, Height: 453 mm, Width:
GTIN (EAN)	4064675047902	701 mm, Depth: 12 mm, Basic material: Sheet steel, galvanized, silver
Qty.	1 ST	
Type	KTB MOPL 5076 MSZN H	Version
Order No.	2716130000	Klippon TB (Terminal Box), Mounting plate, prepunched, Height: 453
GTIN (EAN)	4064675047919	mm, Width: 701 mm, Depth: 12 mm, Basic material: Sheet steel,
Qty.	1 ST	galvanized, 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	

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 KTB7650 HOR	Version
Order No.	8000006728	Rail, TS 35, TS 35 x 7.5, Width: 447 mm, without slot, Steel, galvanic
GTIN (EAN)	4050118653014	zinc plated and passivated
Qty.	20 ST	
Type	TS35X7.5 ST KTB7650 VER	Version
Order No.	8000006717	Rail, TS 35, TS 35 x 7.5, Width: 693 mm, without slot, Steel,
GTIN (EAN)	4050118652956	galvanized, chromium-plated
Qty.	20 ST	