

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

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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 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, stainless steel enclosure, Height: 480 mm, Width: 480 mm, Depth: 200 mm, Gland plates: Bottom, top, Material: Stainless steel 1.4404 (316L), electropolished, silver
Order No.	<u>1195170000</u>
Туре	KTB MH 484820 S4E2
GTIN (EAN)	4032248977765
Qty.	1 ST

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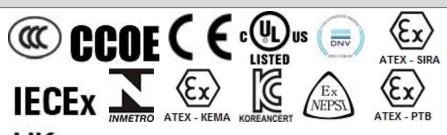
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Technical data

Approvals

Approvals





ROHS	Conform
UL File Number Search	<u>UL Website</u>
Certificate no. (cULus)	E243298

Dimensions and weights

Depth	200 mm	Depth (inches)	7.874 inch
Height	480 mm	Height (inches)	18.8976 inch
Width	480 mm	Width (inches)	18.8976 inch
Mounting dimension - height	327 mm	Mounting dimension - width	506 mm
Net weight	15840 g		

Temperatures

Operating temperature	-60 °C135 °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	8d5fcdfe-c58e-44e1-a6b4-74d2bbccc9dd

Cable glands, left

M63	4	M75	3
M12	60	M50	4
M16	40	M32	12
M25	21	M20	26
M40	10		

Cable glands, right

M25	21	M63	4
M75	3	M16	40
M40	10	M50	4
M40 M32	12	M20	26
M12	60		

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Technical data

Cable glands, to	p/bottom			
M20	29	M12	65	
M63	4	M40	11	
M32	13	M25	24	
M50	5	M75	3	
M16	44			

Certificate numbers enclosure

Certificate No. UL Haz.Loc.	E223792	Declaration of Conformatiy No. (DoC	DE PS261X 160412
		LVD)	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. Electronic Box (NEPSI)	2020322303003289	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. (DNV)	TAE000013S	Certificate no. Terminal Box (AEx)	E223792
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)	IEX13.0006U	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
Certificate no. (cULus)	E243298		

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	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
Seal material of flange plate	Silicone	Protection class (UL)	Type 3, Type 4X, Type 12
Number of lid screws	4	Gland plates	Bottom, top
Dimension of box	640x680x290	Access opening: width	421 mm





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Technical data

Opening angle lid	130.00°	Overall dimensions	502 x 531 x 215
Flange plate	Yes	Max. payload	92 kg
Lid	Yes	Access opening: height	427 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, cover	Welded-on M6 stainless- steel earth stud in	Earth, enclosure, external	Continuous M10 earth stud in body enclosure
	enclosure body and lid.		,
Earth, enclosure, internal	Welded-on M6 stainless- steel earth stud in enclosure body and lid.		
horizontal assembly			
WDU 10 / ZDU 10	3x37	WDU 16 / ZDU 16	2x31
WDU 2,5 / ZDU 2,5 / IDU 2,5	4x74	WDU 35 / ZDU 35	2x23
WDU 4 / ZDU 4	3x62	WDU 6 / ZDU 6	3x46
vertical assembly			
WDU 10 / ZDU 10	2x38	WDU 16 / ZDU 16	2x31
WDU 2,5 / ZDU 2,5 / IDU 2,5	4x75	WDU 35 / ZDU 35	1x23
WDU 4 / ZDU 4	3x62	WDU 6 / ZDU 6	3x47
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		2, 100002



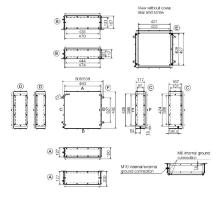
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Drawings

Dimensioned drawing





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Accessories

480 x 480mm



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

Туре	KTB MOPL 4848 MSZN	Version
Order No.	1194000000	Klippon TB (Terminal Box), Mounting plate, Height: 425 mm, Width:
GTIN (EAN)	4050118028607	419 mm, Depth: 1.5 mm, Material: Sheet steel, galvanized, silver
Qty.	1 ST	
Туре	KTB MOPL 4848 S2N	Version
Order No.	<u>1193870000</u>	Klippon TB (Terminal Box), Mounting plate, Height: 425 mm, Width:
GTIN (EAN)	4050118028478	419 mm, Depth: 1.5 mm, Material: Stainless steel 1.4301 (304),
Qty.	1 ST	untreated, silver
Туре	KTB MOPL 4848 MSZN H	Version
Type Order No.	KTB MOPL 4848 MSZN H 2022610000	Version Klippon TB (Terminal Box), Mounting plate, prepunched, Height:
Order No.	2022610000	Klippon TB (Terminal Box), Mounting plate, prepunched, Height:
Order No. GTIN (EAN)	<u>2022610000</u> 4050118403374	Klippon TB (Terminal Box), Mounting plate, prepunched, Height: 425 mm, Width: 419 mm, Depth: 1.5 mm, Material: Sheet steel,
Order No. GTIN (EAN) Qty.	2022610000 4050118403374 1 ST	Klippon TB (Terminal Box), Mounting plate, prepunched, Height: 425 mm, Width: 419 mm, Depth: 1.5 mm, Material: Sheet steel, galvanized, silver
Order No. GTIN (EAN) Qty. Type	2022610000 4050118403374 1 ST KTB MOPL 4848 S2N H	Klippon TB (Terminal Box), Mounting plate, prepunched, Height: 425 mm, Width: 419 mm, Depth: 1.5 mm, Material: Sheet steel, galvanized, silver Version
Order No. GTIN (EAN) Qty. Type Order No.	2022610000 4050118403374 1 ST KTB MOPL 4848 S2N H 1257710000	Klippon TB (Terminal Box), Mounting plate, prepunched, Height: 425 mm, Width: 419 mm, Depth: 1.5 mm, Material: Sheet steel, galvanized, silver Version Klippon TB (Terminal Box), Mounting plate, prepunched, Height:

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

Туре	KTB GP XX4820 AB S4 3MM	Version
Order No.	1281130000	Klippon TB (Terminal Box), flange plate, straight, Height: 470 mm,
GTIN (EAN)	4050118071573	Width: 167 mm, Depth: 3 mm, Gland plates: top, Bottom, Material:
Qty.	1 ST	Stainless steel 1.4404, electropolished, 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

Туре	KTB GP XX4820 AB S4 6MM	Version	
Order No.	1256550000	Klippon TB (Terminal Box), flange plate, straight, Height: 470 mm,	
GTIN (EAN)	4050118093902	Width: 167 mm, Depth: 6 mm, Gland plates: top, Bottom, Material:	
Qty.	1 ST	Stainless steel 1.4404, 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

Туре	KTB GP XX4820 AB S4 PE	Version
Order No.	2023580000	Klippon TB (Terminal Box), flange plate, straight, Height: 470 mm,
GTIN (EAN)	4050118404111	Width: 167 mm, Depth: 3 mm, Gland plates: top, Bottom, Material:
Qty.	1 ST	Stainless steel 1.4404, electropolished, silver

Stainless steel 1.4301



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.

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.

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Accessories

General ordering data

Type	KTB RNHD 484820 R	Version
Order No.	<u>1281480000</u>	Klippon TB (Terminal Box), Rain hood, Height: 55.9 mm, Width: 485
GTIN (EAN)	4050118072198	mm, Depth: 211.2 mm, Material: Stainless steel 1.4301, Mirror
Qty.	1 ST	polished, silver

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

Туре	TPSDHA KTB 100X25 S2 2R	Version
Order No.	1257640000	Klippon TB (Terminal Box), Ratings plate holder, Riveted, Height:
GTIN (EAN)	4050118070354	25 mm, Width: 141 mm, Depth: 16.5 mm, Material: Stainless steel
Qty.	1 ST	1.4301, Mirror polished, silver
Туре	TPSDHA KTB 130X50 S2 R	Version
Order No.	1283450000	Klippon TB (Terminal Box), Ratings plate holder, Riveted, Height:
GTIN (EAN)	4050118073621	50 mm, Width: 171 mm, Depth: 16.5 mm, Material: Stainless steel
Qty.	1 ST	1.4301, Mirror polished, silver
Туре	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 ST	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, Material: Stainless steel, rust-
Qty.	1 ST	proof, untreated, silver
Туре	TPSD FIXING SET KTB	Version
Type Order No.	TPSD FIXING SET KTB 1252190000	Version Klippon TB (Terminal Box), Type plate fixings set, Material: Stainless

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

General	ordering data	
Туре	PEBZ M10 KTB BR SET	Version
Order No.	<u>1192680000</u>	Klippon TB (Terminal Box), Earthing stud, Miscellaneous, Height: 21
GTIN (EAN)	4032248974641	mm, Width: 21 mm, Depth: 48.7 mm, Material: Brass, untreated,
Qty.	1 ST	silver

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Accessories

Туре	PEBZ M10 KTB S4 SET	Version
Order No.	<u>1192690000</u>	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 ST	1.4404, untreated, silver

Document holders



Integrate, expand and customise - the perfect supplement to every application

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Document holders

Document holders for the proper storage of documents in the enclosure

General ordering data

Туре	DOHA KTB A6 S2 R	Version
Order No.	1252780000	Klippon TB (Terminal Box), Document holders, Riveted, Height:
GTIN (EAN)	4050118045512	110 mm, Width: 130 mm, Depth: 20 mm, Material: Stainless steel
Qty.	1 ST	1.4301, Mirror polished, silver
Туре	DOHA KTB A5 S2 R	Version
Order No.	1252750000	Klippon TB (Terminal Box), Document holders, Riveted, Height:
GTIN (EAN)	4050118045390	150 mm, Width: 180 mm, Depth: 20 mm, Material: Stainless steel
Qty.	1 ST	1.4301, Mirror polished, silver
Туре	DOHA KTB A4 S2 R	Version
Order No.	1252730000	Klippon TB (Terminal Box), Document holders, Riveted, Height:
GTIN (EAN)	4050118045383	200 mm, Width: 240 mm, Depth: 20 mm, Material: Stainless steel
Qty.	1 ST	1.4301, Mirror polished, 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:

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- Closure Elements
- Document holders
- Earthing stud
- Gland plates
- · Installation material
- Mounting plates
- Rain hoods
- Spacer
- Terminal rails
- Type label holder

General ordering data

Туре	PECD WIRE 6/200/D6 SET	Version
Order No.	2475490000	Klippon TB (Terminal Box), Grounding strap, Ssrewed, Material: Steel,
GTIN (EAN)	4050118487206	Green/yellow
Qty.	1 ST	



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Accessories

Stainless steel 1.4404 (316L)



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Rain Covers

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General ordering data

Туре	KTB RNHD XX4820 S4E R	Version
Order No.	1314230000	Klippon TB (Terminal Box), Rain hood, Height: 55.9 mm, Width: 485
GTIN (EAN)	4050118117349	mm, Depth: 211.2 mm, Material: Stainless steel 1.4404 (316L),
Qty.	1 ST	electropolished, silver

Depth 7.5 mm



Integrate, expand and customise: The ideal expansion for every application

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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 KTB4848 HOR	Version
Order No.	8000006725	Rail, TS 35, TS 35 x 7.5, Width: 419 mm, without slot, Steel,
GTIN (EAN)	4050118652987	galvanized, chromium-plated
Qty.	20 ST	
Type	TS35X7.5 ST KTB4848 VER	Version
Type Order No.	TS35X7.5 ST KTB4848 VER 8000006714	Version Rail, TS 35, TS 35 x 7.5, Width: 425 mm, without slot, Steel,
• •		

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

Туре	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 ST	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

TS35X15 ST KTB4848 HOR	Version
8000073119	Rail, TS 35, TS 35 x 15, Width: 419 mm, without slot, Steel, galvanic
4064675340751	zinc plated and passivated
20 ST	
TS35X15 ST KTB4848 VER	Version
8000073120	Rail, TS 35, TS 35 x 15, Width: 425 mm, without slot, Steel, galvanic
4064675340768	zinc plated and passivated
20 CT	
	8000073119 4064675340751 20 ST TS35X15 ST KTB4848 VER 8000073120

Installation material



Integrate, expand and customise - the perfect supplement to every application

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Accessories

General ordering data

Type FKSC M6X8 D9/SW3
Order No. 0642600000
GTIN (EAN) 4008190058258
Oty. 50 ST

Version

Klippon TB (Terminal Box), Mounting screw, Material: Steel