

KTB MH 484820 S4E4**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Similar to illustration**

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, left, right, Material: Stainless steel 1.4404 (316L), electropolished, silver
Order No.	1195190000
Type	KTB MH 484820 S4E4
GTIN (EAN)	4032248978151
Qty.	1 pc(s).

KTB MH 484820 S4E4
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Technical data
Dimensions and weights

Depth	200 mm	Depth (inches)	7.874 inch
Height	480 mm	Height (inches)	18.898 inch
Width	480 mm	Width (inches)	18.898 inch
Mounting dimension - height	327 mm	Mounting dimension - width	536 mm
Net weight	16,080 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	60	M16	40
M20	26	M25	21
M32	12	M40	10
M50	4	M63	4
M75	3		

Cable glands, right

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

Cable glands, top/bottom

M12	65	M16	44
M20	29	M25	24
M32	13	M40	11
M50	5	M63	4
M75	3		

Certificate numbers enclosure

Approval conditions	ATEX, CCoE, DNV, IECEx, INMETRO, KC, NEPSI, CCC, UL AEx Class Div., UL AEx Class Zone, cULus	Attestation of Conformity No. (AoC)	DE PS261X 160309 001ISS03
Certificate No. (ATEX)	PTB11ATEX2019	Certificate No. (CCOE)	P461058_1
Certificate No. (DNV)	TAE000013S	Certificate No. (IECEX)	IECEXPTB11.0071
Certificate No. Electronic Box (NEPSI)	2020322303003289	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. (INMETRO)	IEX13.0006U
Certificate no. (cULus)	E243298	Certificate no. Terminal Box (AEx)	E223792
Certificate no. Terminal Box (ATEX)	IBExU14ATEX1050	Certificate no. Terminal Box (IECEX)	IECEXIBE14.0013
Certificate no. Terminal Box (INMETRO)	LMP 21.0017	Certificate no. Terminal Box (KOSHA)	16-AV4BO-0245X
Certificate no. empty enclosure (ATEX)	IBExU14ATEX1028 U	Certificate no. empty enclosure (ECAS)	21-09-25241/ E21-09-053807
Certificate no. empty enclosure (IECEX)	IECEX IBE 14.0004U	Certificate no. empty enclosure (INMETRO)	LMP 21.0016U
Declaration of Conformity No. (DoC LVD)	DE PS261X 160412 001ISS02		

Creation date May 20, 2024 7:37:51 PM CEST

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Technical data
General information

AF size	10 mm	Access opening: height	427 mm
Access opening: width		Areas of use	Explosive risk zone, Process industry, Oil and gas industry, Chemical industry, Offshore, Onshore
	421 mm		
Dimension of box		Enclosure attachment	4 welded-on mounting feet with 11 mm holes (2 slotted feet and 2 cross-shaped feet)
	640x680x290		
Flange plate		Flange plate mounting	M6 hexagonal head screws 10 SW
	Yes		
Gland plates	Bottom, top, left, right	Impact resistance	7 J ATEX version, 10 J version standard
Integral fixing	4, 6 or 9 stud bolts M6 inner (female) thread	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	Max. payload	92 kg
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	Overall dimensions	502 x 561 x 215
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		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
	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	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

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www.weidmueller.com**Technical data****Classifications**

ETIM 6.0	EC002503	ETIM 7.0	EC002503
ETIM 8.0	EC002503	ETIM 9.0	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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	8d5fcdfe-c58e-44e1-a6b4-74d2bbccc9dd

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E243298

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Technical data

Downloads

Approval/Certificate/Document of Conformity	CCC 2020322303002358 KTB Assembly Enclosure
	CCC 2020322303002357 KTB Empty Enclosure
	Attestation of Conformity - Klippon TB Empty Enclosures - AoC DE PS261X 160309 001ISS06
	IBEXU14ATEX1028U
	IBEXU14ATEX1050
	IECEXIBE14.0004U
	IECEXIBE14.0013
	TAE000013S
	GYJ14.1310X
	IECEXPTB11.0071
	PTB11ATEX2019
	16-AV4BO-245X
	P4610581_1
	24-01-100099/E24-01-102546/NB10
	LMP 21.0017 - CAIXA DE JUNÇÃO KLIPPON TB - KTB MH QL FS
	CERTIFICADO - LMP 21.0016U KLIPPON TB
	CERTIFICADO LMP 21.0017 KLIPPON TB
	EU Declaration of Conformity - Klippon TB Empty Enclosures - DoC DE PS261X 160412 001ISS03
Engineering Data	CAD data – STEP
Tender specification	Klippon TB MH 484820 S4E4_1195190000_DE
	Klippon TB MH 484820 S4E4_1195190000_EN
	Klippon TB MH 484820 S4E4_1195190000_NL
User Documentation	Assembly guidelines - empty enclosures
Catalogues	Catalogues in PDF-format
Brochures	MB OVERV. PROCESS WD DE
	MB KLIPPON ENCL.TECN EN
	MB PROCESS EN
	FL WIND 2012 EN
	FL APPL PROCESS EN
	FL SHIPBUILDING 2016 EN
	FL RAILWAY 2014 EN
	PI KLIPPON TB MH QL EN
	PI KLIPPON TB MH QL EN

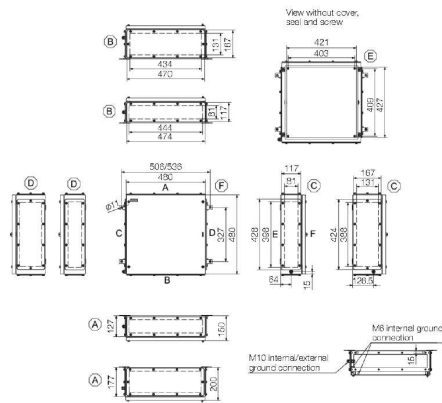
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Drawings

Dimensioned drawing



KTB MH 484820 S4E4

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Accessories

Depth 15 mm



General ordering data

Type	TS35X15 ST KTB4848 VER	Version
Order No.	8000073120	Rail, TS 35, TS 35 x 15, Width: 425 mm, without slot, Steel, galvanic
GTIN (EAN)	4064675340768	zinc plated and passivated
Qty.	20 pc(s).	
Type	TS35X15 ST KTB4848 HOR	Version
Order No.	8000073119	Rail, TS 35, TS 35 x 15, Width: 419 mm, without slot, Steel, galvanic
GTIN (EAN)	4064675340751	zinc plated and passivated
Qty.	20 pc(s).	

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:

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

General ordering data

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

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Accessories

Depth 7.5 mm



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 pc(s).	
Type	TS35X7.5 ST KTB4848 VER	Version
Order No.	8000006714	Rail, TS 35, TS 35 x 7.5, Width: 425 mm, without slot, Steel,
GTIN (EAN)	4050118652871	galvanized, chromium-plated
Qty.	20 pc(s).	

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 484820 AB S4	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 pc(s).	Stainless steel 1.4404, electropolished, silver
Type	KTB GP 484820 CD S4	Version
Order No.	1281140000	Klippon TB (Terminal Box), flange plate, straight, Height: 424 mm,
GTIN (EAN)	4050118072051	Width: 167 mm, Depth: 3 mm, Gland plates: left, right, Material:
Qty.	1 pc(s).	Stainless steel 1.4404, electropolished, silver

KTB MH 484820 S4E4

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Accessories

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 484820 CD S4 PE	Version
Order No.	2023620000	Klippon TB (Terminal Box), flange plate, straight, Height: 424 mm,
GTIN (EAN)	4050118403596	Width: 167 mm, Depth: 3 mm, Gland plates: left, right, Material:
Qty.	1 pc(s).	Stainless steel 1.4404, electropolished, silver
Type	KTB GP 484820 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 pc(s).	Stainless steel 1.4404, electropolished, silver

Installation material



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

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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

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Accessories

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.	1 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).	

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

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, Material: Stainless steel 1.4301,
Qty.	1 pc(s).	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, Material: Stainless steel 1.4301,
Qty.	1 pc(s).	Mirror polished, silver
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, Material: Stainless steel 1.4301,
Qty.	1 pc(s).	Mirror polished, 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 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

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).	

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

Stainless steel 1.4404 (316L)



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

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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.

General ordering data

Type	KTB RNHD 484820 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 pc(s).	electropolished, silver

KTB MH 484820 S4E4

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Accessories

Stainless steel 1.4301



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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.

General ordering data

Type	KTB RNHD 484820 R	Version
Order No.	1281480000	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 pc(s).	polished, 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 100X25 S2 2R	Version
Order No.	1257640000	Klippon TB (Terminal Box), Ratings plate holder, Riveted, Height: 25 mm, Width: 141 mm, Depth: 16.5 mm, Material: Stainless steel
GTIN (EAN)	4050118070354	1.4301, Mirror polished, silver
Qty.	1 pc(s).	
Type	TPSDHA KTB 130X50 S2 R	Version
Order No.	1283450000	Klippon TB (Terminal Box), Ratings plate holder, Riveted, Height: 50 mm, Width: 171 mm, Depth: 16.5 mm, Material: Stainless steel
GTIN (EAN)	4050118073621	1.4301, Mirror polished, silver
Qty.	1 pc(s).	
Type	TPSDHA KTB 70X70M3 S2 R	Version
Order No.	1279320000	Klippon TB (Terminal Box), Ratings plate holder, Riveted, Height: 70 mm, Width: 70 mm, Depth: 20 mm, Material: Stainless steel 1.4301,
GTIN (EAN)	4050118070101	Mirror polished, silver
Qty.	1 pc(s).	

KTB MH 484820 S4E4

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Accessories

480 x 480mm



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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 4848 S2N H	Version
Order No.	1257710000	Klippon TB (Terminal Box), Mounting plate, prepunched, Height: 425
GTIN (EAN)	4050118049336	mm, Width: 419 mm, Depth: 1.5 mm, Material: Stainless steel 1.4301
Qty.	1 pc(s).	(304), untreated, silver
Type	KTB MOPL 4848 MSZN H	Version
Order No.	2022610000	Klippon TB (Terminal Box), Mounting plate, prepunched, Height:
GTIN (EAN)	4050118403374	425 mm, Width: 419 mm, Depth: 1.5 mm, Material: Sheet steel,
Qty.	1 pc(s).	galvanized, silver
Type	KTB MOPL 4848 S2N	Version
Order No.	1193870000	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 pc(s).	untreated, silver
Type	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 pc(s).	

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 484820 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 pc(s).	Stainless steel 1.4404, electropolished, silver
Type	KTB GP 484820 CD S4 6MM	Version
Order No.	1256560000	Klippon TB (Terminal Box), flange plate, straight, Height: 424 mm,
GTIN (EAN)	4050118093919	Width: 167 mm, Depth: 6 mm, Gland plates: left, right, Material:
Qty.	1 pc(s).	Stainless steel 1.4404, electropolished, silver