

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: 458 mm, Width: 382 mm, Depth: 150 mm, Gland plates: Bottom, top, left, right, Basic material: Stain- less steel 1.4301 (304), untreated, silver
Order No.	<u>1195040003</u>
Туре	KTB MH 453815 S2N4
GTIN (EAN)	4050118106718
Qty.	1 items

1



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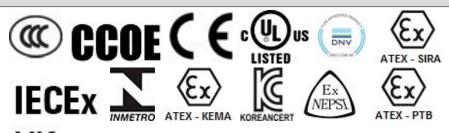
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Technical data

Approvals

Approvals





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

Dimensions and weights

Depth	150 mm	Depth (inches)	5.9055 inch
Height	458 mm	Height (inches)	18.0315 inch
Width	382 mm	Width (inches)	15.0393 inch
Mounting dimension - height	305 mm	Mounting dimension - width	438 mm
Net weight	17243.19 g		

Temperatures

Operating temperature	-60 °C135 °C	Note: room temperature (service)	Limited to IP66
			protection when used in
			temperatures greater than
			1

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	0	M75	0
M12	33	M50	4
M16	19	M32	6
M25 M40	7	M20	16
M40	5		

Cable glands, right

M25	7	M63	0
M75	0	M16	19
M40	5	M50	4
M32	6	M20	16
M12	33		

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Technical data

Cable glands, top	/bottom		
M20	15	M12	30
M63	0	M40	4
M32	5	M25	6
M50	4	M75	0

Certificate numbers enclosure

17

M16

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. Electronic Box (NEPSI)	2020322303003289	Certificate no. empty enclosure (ECAS)	21-09-25241/ E21-09-053807
Certificate no. empty enclosure (INMETRO)	LMP 21.0016U	Certificate No. (DNV)	TAE000013S
Certificate No. (CCOE)	P461058_1	Certificate no. Terminal Box (INMETRO)	LMP 21.0017
Certificate no. (INMETRO)	IEX13.0006U	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	untreated
Impact resistance	7 J ATEX version, 10 J version standard	AF size	10 mm
Protection degree	IP66, IP67	Basic material	Stainless steel 1.4301 (304)
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	4
Gland plates	Bottom, top, left, right	Dimension of box	580x620x240
Access opening: width	323 mm	Opening angle lid	130.00 °
Overall dimensions	480 x 463 x 165	Flange plate	Yes
Max. payload	70 kg	Lid	Yes





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4

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Technical data

Access opening: height	405 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-		
zarar, energeare, mornar	steel earth stud in enclosure body and lid.		
horizontal assembly			<u>'</u>
MDII 40 / 7DII 40	0.07	M/DII 40 / 7DII 40	0.00
WDU 10 / ZDU 10	2x27 4x54	WDU 16 / ZDU 16 WDU 35 / ZDU 35	2x22 1x17
WDU 2,5 / ZDU 2,5 / IDU 2,5 WDU 4 / ZDU 4	3x46	WDU 35 / ZDU 35 WDU 6 / ZDU 6	3x34
vertical assembly		,	
WDU 10 / ZDU 10	2x36	WDU 16 / ZDU 16	2x29
WDU 2,5 / ZDU 2,5 / IDU 2,5	3x71	WDU 35 / ZDU 35	1x22
WDU 4 / ZDU 4	2x59	WDU 6 / ZDU 6	2x44
Important note			
Product information	Minimum order quantity (5	pieces)	
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		



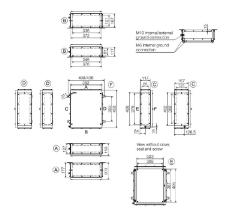
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Drawings

Dimensioned drawing





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Accessories

458 x 382mm



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 4538 MSZN	Version
Order No.	1193990000	Klippon TB (Terminal Box), Mounting plate, Height: 403 mm, Width:
GTIN (EAN)	4050118028591	321 mm, Depth: 1.5 mm, Basic material: Sheet steel, galvanized,
Qty.	1 ST	silver
Туре	KTB MOPL 4538 S2N	Version
Order No.	1193860000	Klippon TB (Terminal Box), Mounting plate, Height: 403 mm, Width:
GTIN (EAN)	4050118028461	321 mm, Depth: 1.5 mm, Basic material: Stainless steel 1.4301
Qty.	1 ST	(304), untreated, silver
Type	KTB MOPL 4538 S2N H	Version
Type Order No.	KTB MOPL 4538 S2N H 1257700000	Version Klippon TB (Terminal Box), Mounting plate, prepunched, Height: 403
Order No.	1257700000	Klippon TB (Terminal Box), Mounting plate, prepunched, Height: 403
Order No. GTIN (EAN)	<u>1257700000</u> 4050118049411	Klippon TB (Terminal Box), Mounting plate, prepunched, Height: 403 mm, Width: 321 mm, Depth: 1.5 mm, Basic material: Stainless steel
Order No. GTIN (EAN) Qty.	1257700000 4050118049411 1 ST	Klippon TB (Terminal Box), Mounting plate, prepunched, Height: 403 mm, Width: 321 mm, Depth: 1.5 mm, Basic material: Stainless steel 1.4301 (304), untreated, silver
Order No. GTIN (EAN) Oty. Type	1257700000 4050118049411 1 ST KTB MOPL 4538 MSZN H	Klippon TB (Terminal Box), Mounting plate, prepunched, Height: 403 mm, Width: 321 mm, Depth: 1.5 mm, Basic material: Stainless steel 1.4301 (304), untreated, silver Version

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

Туре	KTB GP XX3815V AB S4 3MM	Version
Order No.	<u>1281070000</u>	Klippon TB (Terminal Box), flange plate, straight, Height: 376 mm,
GTIN (EAN)	4050118071672	Width: 117 mm, Depth: 3 mm, Gland plates: top, Bottom, Basic
Qty.	1 ST	material: Stainless steel 1.4404, Stainless steel 1.4404 (316L),
		electropolished, silver
Туре	KTB GP 45XX15V CD S4 3MM	Version
Ol N	1281080000	Klinnen TD /Terminal Pay) flange plate straight Height: 406 mm
Order No.	1201000000	Klippon TB (Terminal Box), flange plate, straight, Height: 406 mm,
GTIN (EAN)	4050118071870	Width: 117 mm, Depth: 3 mm, Gland plates: left, right, Basic material:

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Accessories

Gland plates made out of stainless steel - 6 mm



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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 XX3815V AB S4 6MM	Version
Order No.	<u>1256480000</u>	Klippon TB (Terminal Box), flange plate, straight, Height: 376 mm,
GTIN (EAN)	4050118093865	Width: 117 mm, Depth: 6 mm, Gland plates: top, Bottom, Basic
Qty.	1 ST	material: Stainless steel 1.4404, electropolished, silver
Туре	KTB GP 45XX15V CD S4 6MM	Version
Type Order No.	KTB GP 45XX15V CD S4 6MM 1256490000	Version Klippon TB (Terminal Box), flange plate, straight, Height: 406 mm,

Gland plates with 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

7

General ordering data

Туре	KTB GP XX3815V AB S4 PE	Version
Order No.	2023490000	Klippon TB (Terminal Box), flange plate, straight, Height: 376 mm,
GTIN (EAN)	4050118404012	Width: 117 mm, Depth: 3 mm, Gland plates: top, Bottom, Basic
Qty.	1 ST	material: Stainless steel 1.4404, electropolished, silver
Туре	KTB GP 45XX15V CD S4 PE	Version
Order No.	2023500000	Klippon TB (Terminal Box), flange plate, straight, Height: 406
GTIN (EAN)	4050118404258	mm, Width: 117 mm, Depth: 3 mm, Gland plates: left, right, Basic
Qty.	1 ST	material: Stainless steel 1.4404, Stainless steel 1.4404 (316L),
		electropolished, silver



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Accessories

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.

General ordering data

Туре	KTB RNHD 453815 R	Version
Order No.	<u>1281450000</u>	Klippon TB (Terminal Box), Rain hood, Height: 53.4 mm, Width: 387
GTIN (EAN)	4050118072143	mm, Depth: 160.5 mm, Basic material: Stainless steel 1.4301, Mirror
Qty.	1 ST	polished, silver

Type label holder



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

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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

Туре	TPSDHA KTB 100X25 S2 2R	Version
Order No.	<u>1257640000</u>	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
Туре	TPSDHA KTB 130X50 S2 R	Version
Order No.	<u>1283450000</u>	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
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, 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
Туре	TPSD FIXING SET KTB	Version
Type Order No.	TPSD FIXING SET KTB 1252190000	Version Klippon TB (Terminal Box), Type plate fixings set, Basic material:

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	oruering data	
Туре	PEBZ M10 KTB BR SET	Version
Order No.	<u>1192680000</u>	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

Document holders



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.

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: 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
Туре	DOHA KTB A5 S2 R	Version
Type Order No.	DOHA KTB A5 S2 R 1252750000	Version Klippon TB (Terminal Box), Document holders, Riveted, Height: 150

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

Туре	PECD WIRE 6/200/D6 SET	Version
Order No.	2475490000	Klippon TB (Terminal Box), Grounding strap, Ssrewed, Basic material:
GTIN (EAN)	4050118487206	Steel, 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 XX3815V S4E R	Version
Order No.	<u>1314190000</u>	Klippon TB (Terminal Box), Rain hood, Height: 53.4 mm, Width: 387
GTIN (EAN)	4050118117264	mm, Depth: 160.5 mm, Basic 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 KTB4538 HOR	Version
Order No.	8000006724	Rail, TS 35, TS 35 x 7.5, Width: 321 mm, without slot, Steel,
GTIN (EAN)	4050118652925	galvanized, chromium-plated
Qty.	20 ST	
Туре	TS35X7.5 ST KTB4538 VER	Version
Type Order No.	TS35X7.5 ST KTB4538 VER 8000006713	Version Rail, TS 35, TS 35 x 7.5, Width: 403 mm, without slot, Steel, galvanic

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

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

Depth 15 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

Туре	TS35X15 ST KTB4538 HOR	Version
Order No.	8000073117	Rail, TS 35, TS 35 x 15, Width: 321 mm, without slot, Steel, galvanic
GTIN (EAN)	4064675340720	zinc plated and passivated
Qty.	20 ST	
Туре	TS35X15 ST KTB4538 VER	Version
Type Order No.	TS35X15 ST KTB4538 VER 8000073118	Version Rail, TS 35, TS 35 x 15, Width: 403 mm, without slot, Steel, galvanic

Installation material



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

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Mounting hardware kits

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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, Basic material: Steel