

## Klippon TB MH (Terminal Box - Multi Hinge) KTB MH 221513 S4E4

**Weidmüller Interface GmbH & Co. KG**  
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### Product image



Abbildung ähnlich

### Stainless steel enclosures for use in areas exposed to explosion hazards

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 new 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 12 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

Type	KTB MH 221513 S4E4
Order No.	<a href="#">1194590000</a>
Version	Klippon TB MH (Terminal Box - Multi Hinge), Empty enclosure, stainless steel enclosure, Height: 229 mm, Width: 152 mm, Depth: 133 mm, Gland plates: Bottom, top, left, right, Material: Stainless steel 1.4404 (316L), electropolished, silver
GTIN (EAN)	4032248977192
Qty.	1 pc(s).

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**Technical data**
**Dimensions and weights**

Width	152 mm	Width (inches)	5.984 inch
Height	229 mm	Height (inches)	9.016 inch
Depth	133 mm	Depth (inches)	5.236 inch
Mounting dimension - width	208 mm	Mounting dimension - height	152 mm
Net weight	4,060 g		

**Environmental Product Compliance**

REACH SVHC Lead 7439-92-1

**Cable glands, left**

M12	8	M16	6
M20	3	M25	2
M32	2	M40	2
M50	0	M63	0
M75	0		

**Cable glands, right**

M12	8	M16	6
M20	3	M25	2
M32	2	M40	2
M50	0	M63	0
M75	0		

**Cable glands, top/bottom**

M12	6	M16	5
M20	2	M25	2
M32	1	M40	1
M50	0	M63	0
M75	0		

**Certificate numbers enclosure**

Certificate no. assembled enclosure (ATEX)	IBExU14ATEX1050	Certificate no. empty enclosure (ATEX)	IBExU14ATEX1028 U
Certificate no. assembled enclosure (IECEX)	IECEXIBE14.0013	Certificate no. empty enclosure (IECEX)	IECEX IBE 14.0004U
Certificate no., assembled enclosure (EAC)	RU C-DE.ГБ08.B.01328	Certificate no., empty enclosure (EAC)	RU C-DE.ГБ08.B.00472
Certificate no. assembled enclosure (INMETRO)	IEEx 17.0021	Certificate no. empty enclosure (INMETRO)	IEEx 17.0020U
Certificate no. assembled enclosure (AEx)	E223792	Certificate no. empty enclosure (NEPSI)	GYJ14.1308U
Certificate no. assembled enclosure (NEPSI)	GYJ14.1309	Certificate no., assembled enclosure (KOSHA)	16-AV4BO-0245X
Certificate No. (MARITREG)	15.40073.250	Certificate no. (cULus)	E243298
Certificate No. (CCOE)	P461058_1		

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### Technical data

#### General information

AF size 1	10 mm	Access opening: height	176 mm
Access opening: width		Areas of use	Explosive risk zone, Process industry, Oil and gas industry, Chemical industry, Offshore, Onshore
	93 mm	Installation advice	Terminal rail / mounting plate
Gland plates	Bottom, top, left, right	Material thickness of cover	1.5 mm
Material thickness	1.5 mm	Max. payload	14 kg
Material thickness of flange	3 mm	Overall dimensions	251 x 233 x 148
Opening angle lid	130 °	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
Position PE bolts		Material	Stainless steel 1.4404 (316L)
	Page C	Surface finish	electropolished
Torque for lid screws	2.5 Nm	Operating temperature, max.	135 °C
Seal material	Silicone	Protection degree	IP66, IP67
Operating temperature, min.	-60 °C	Enclosure attachment	4 welded-on mounting feet with 11 mm holes (2 slotted feet and 2 cross-shaped feet)
Impact resistance	7 J ATEX version, 10 J version standard	Integral fixing	4, 6 or 9 stud bolts M6 inner (female) thread
Note: protection class	If used in temperature ranges above 105 °C, IP protection is limited to IP 66.		
Lid attachment	4 hinges and M6 hex-head slotted screws SW10		

#### Housing earth

Earth, enclosure, internal	Welded-on M6 stainless-steel earth stud in enclosure body and lid.
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#### horizontal assembly

WDU 10 / ZDU 10	1x4	WDU 16 / ZDU 16	1x3
WDU 2,5 / ZDU 2,5 / IDU 2,5	1x10	WDU 35 / ZDU 35	1x2
WDU 4 / ZDU 4	1x8	WDU 6 / ZDU 6	1x6

#### vertical assembly

WDU 10 / ZDU 10	1x13	WDU 16 / ZDU 16	1x10
WDU 2,5 / ZDU 2,5 / IDU 2,5	1x26	WDU 35 / ZDU 35	1x7
WDU 4 / ZDU 4	1x21	WDU 6 / ZDU 6	1x16

#### Classifications

ETIM 6.0	EC002503	ETIM 7.0	EC002503
eClass 9.0	27-18-05-02	eClass 9.1	27-18-05-02
eClass 10.0	27-18-05-02		

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### Product information

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Minimum Order Quantity is applicable (20 pcs.).

\*\*Customer specific test is required for application compliance.

### Approvals

Approvals



ROHS

Conform

### Downloads

Approval/Certificate/Document of Conformity	<a href="#">Attestation of Conformity - Klippon TB Empty Enclosures - AoC DE PS261X 160309 001ISS01</a> <a href="#">EU Declaration of Conformity - Klippon TB Empty Enclosures - DoC DE PS261X 160412 001ISS01</a>
Brochure/Catalogue	<a href="#">MB OVERV. PROCESS WD DE</a> <a href="#">MB KLIPPON ENCL.TECN EN</a> <a href="#">MB PROCESS EN</a> <a href="#">CAT 5 ENCL 17/18 EN</a> <a href="#">FL WIND 2012 EN</a> <a href="#">FL APPL PROCESS EN</a> <a href="#">FL SHIPBUILDING 2016 EN</a> <a href="#">FL RAILWAY 2014 EN</a> <a href="#">PI KLIPPON TB MH QL EN</a>
Engineering Data	<a href="#">EPLAN, WSCAD</a>
Engineering Data	<a href="#">STEP</a>
Tender specification	<a href="#">Klippon TB MH 221513 S4E4_1194590000_DE</a> <a href="#">Klippon TB MH 221513 S4E4_1194590000_EN</a> <a href="#">Klippon TB MH 221513 S4E4_1194590000_NL</a>
User Documentation	<a href="#">MB KLIPPON ENCL.TECN DE</a> <a href="#">Assembly guidelines - empty enclosures</a>



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# Accessories

### 229 x 152mm



#### **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**

Type	KTB MOPL 22 15 S2N H	Version
Order No.	<a href="#">1257650000</a>	Klippon TB (Terminal Box), Mounting plate, prepunched, Height: 174 mm, Width: 91 mm, Depth: 1.5 mm, Material: Stainless steel 1.4301 (304), untreated, silver
GTIN (EAN)	4050118049305	
Qty.	1 pc(s).	
Type	KTB MOPL 22 15 MSZN	Version
Order No.	<a href="#">1193930000</a>	Klippon TB (Terminal Box), Mounting plate, Height: 174 mm, Width: 91 mm, Depth: 12 mm, Material: Sheet steel, galvanized, silver
GTIN (EAN)	4050118028546	
Qty.	1 pc(s).	
Type	KTB MOPL 22 15 S2N	Version
Order No.	<a href="#">1193810000</a>	Klippon TB (Terminal Box), Mounting plate, Height: 174 mm, Width: 91 mm, Depth: 12 mm, Material: Stainless steel 1.4301 (304), untreated, silver
GTIN (EAN)	4050118028409	
Qty.	1 pc(s).	
Type	KTB MOPL 22 15 MSZN H	Version
Order No.	<a href="#">2022050000</a>	Klippon TB (Terminal Box), Mounting plate, prepunched, Height: 174 mm, Width: 91 mm, Depth: 1.5 mm, Material: Sheet steel, galvanized, silver
GTIN (EAN)	4050118403442	
Qty.	1 pc(s).	

### 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.	<a href="#">1192690000</a>	Klippon TB (Terminal Box), Earthing stud, Miscellaneous, Material: Stainless steel 1.4404, untreated, silver
GTIN (EAN)	4032248974658	
Qty.	1 pc(s).	

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## Accessories

Type	PEBZ M10 KTB BR SET	Version
Order No.	<a href="#">1192680000</a>	Klippon TB (Terminal Box), Earthing stud, Miscellaneous, Material:
GTIN (EAN)	4032248974641	Brass, untreated, silver
Qty.	1 pc(s).	

### with earthing studs



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

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### **Flange plates**

Flange plates in two thicknesses, for easy replacement of pre-assembled flange plates on site.

### General ordering data

Type	KTB GP 221513 AB S4 PE	Version
Order No.	<a href="#">2022770000</a>	Klippon TB (Terminal Box), flange plate, Height: 146 mm, Width: 100
GTIN (EAN)	4050118403916	mm, Depth: 3 mm, Gland plates: top, Bottom, electropolished, silver
Qty.	1 pc(s).	
Type	KTB GP 221513 CD S4 PE	Version
Order No.	<a href="#">2022900000</a>	Klippon TB (Terminal Box), flange plate, Height: 177 mm, Width: 100
GTIN (EAN)	4050118403510	mm, Depth: 3 mm, Gland plates: left, right, electropolished, silver
Qty.	1 pc(s).	

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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 you can 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.	<a href="#">1285200000</a>	Klippon TB (Terminal Box), Identification plate fixing set, Material:
GTIN (EAN)	4050118075472	Stainless steel, rust-proof, untreated, silver
Qty.	1 pc(s).	
Type	TPSD FIXING SET KTB	Version
Order No.	<a href="#">1252190000</a>	Klippon TB (Terminal Box), Type plate fixings set, Material: Stainless
GTIN (EAN)	4050118043969	steel, rust-proof, untreated, silver
Qty.	1 pc(s).	

## Flange plates made out of stainless steel - 6 mm



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#### Flange plates

Flange plates in two thicknesses, for easy replacement of pre-assembled flange plates on site.

## General ordering data

Type	KTB GP 221513 AB S4 6MM	Version
Order No.	<a href="#">1256270000</a>	Klippon TB (Terminal Box), flange plate, Height: 146 mm, Width: 100
GTIN (EAN)	4050118092592	mm, Depth: 6 mm, Gland plates: top, Bottom, electropolished, silver
Qty.	1 pc(s).	



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## Accessories

Type	KTB GP 221513 CD S4 6MM	Version
Order No.	<a href="#">1256280000</a>	Klippon TB (Terminal Box), flange plate, Height: 177 mm, Width: 100
GTIN (EAN)	4050118093704	mm, Depth: 6 mm, Gland plates: left, right, Material: Stainless steel
Qty.	1 pc(s).	1.4404, electropolished, silver

## Mounting plates fastening



For many years, the name Klippon® has stood for competence and quality in enclosures. The Klippon® EBi industrial enclosure series protects your components reliably if they are used in moderate environmental conditions and is designed for everyday applications. With the ever-increasing need for individual application solutions, the Klippon® EBi with its high degree of protection and impact resistance is ideally suited to your needs. Our standard product is the Klippon® EBi QL – with hinged door and double-bit key lock. A variant with mounting screws is also available, but is only manufactured on request and is subject to a minimum order quantity. DNV GL and cULus approvals are also available on request.

## General ordering data

Type	GFSC M5X10 TX20 SET	Version
Order No.	<a href="#">1274150000</a>	Klippon EBi (Essential Box industrial), Mounting screw, silver
GTIN (EAN)	4050118063820	
Qty.	1 pc(s).	

## 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

Type	KTB RNHD 221513 R	Version
Order No.	<a href="#">1281360000</a>	Klippon TB (Terminal Box), Rain hood, Height: 50.9 mm, Width: 157
GTIN (EAN)	4050118072075	mm, Depth: 142.8 mm, Material: Stainless steel 1.4301, Mirror
Qty.	1 pc(s).	polished, silver

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**Accessories**
**TS 35**

**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.

The following options are available:

- Document holders
- Flange plates
- Mounting plates
- Locking systems
- Type label holders
- Rain hoods
- Earthing studs

**General ordering data**

Type	TS35X7.5 ST KTB2215 HOR	Version
Order No.	<a href="#">8000006720</a>	Rail, TS 35, TS 35 x 7.5, Length: 91 mm, without slot, Steel,
GTIN (EAN)	4050118652888	galvanized, chromium-plated
Qty.	20 pc(s).	
Type	TS35X7.5 ST KTB2215 VER	Version
Order No.	<a href="#">8000006708</a>	Rail, TS 35, TS 35 x 7.5, Length: 174 mm, without slot, Steel,
GTIN (EAN)	4050118652819	galvanized, chromium-plated
Qty.	20 pc(s).	

**without earthing studs**

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**Flange plates**

Flange plates in two thicknesses, for easy replacement of pre-assembled flange plates on site.

**General ordering data**

Type	KTB GP 221513 AB S4	Version
Order No.	<a href="#">1280890000</a>	Klippon TB (Terminal Box), flange plate, Height: 146 mm, Width: 100
GTIN (EAN)	4050118071627	mm, Depth: 3 mm, Gland plates: top, Bottom, Material: Stainless steel
Qty.	1 pc(s).	1.4404, electropolished, silver
Type	KTB GP 221513 CD S4	Version
Order No.	<a href="#">1280900000</a>	Klippon TB (Terminal Box), flange plate, Height: 177 mm, Width: 100
GTIN (EAN)	4050118071757	mm, Depth: 3 mm, Gland plates: left, right, Material: Stainless steel
Qty.	1 pc(s).	1.4404, electropolished, silver

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**Accessories**

**Ratings plate 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.	<a href="#">1279320000</a>	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 pc(s).	Mirror polished, silver	

**Stainless steel 1.4404 (316L)**



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**Rain Covers**

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**General ordering data**

Type	KTB RNHD 221513 S4E R	Version	
Order No.	<a href="#">1314090000</a>	Klippon TB (Terminal Box), Rain hood, Height: 50.9 mm, Width: 157	
GTIN (EAN)	4050118117332	mm, Depth: 142.8 mm, Material: Stainless steel 1.4404 (316L),	
Qty.	1 pc(s).	electropolished, silver	