

Klippon TB FS (Terminal Box - Fixing Screw) KTB FS 352615 S4E2

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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 in 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 FS enclosure range features the following advantages:

- Available in 12 sizes and 3 standard depths
- Equipped with up to 4 gland plates
- The gasket is protected against compression
- Cover lock outside the sealed zone
- Improved temperature performance
- IP66/IP67 protection
- Earthing stud in the cover and base of the enclosure
- Welded mounting feet

General ordering data

Available until	2015-11-24
Type	KTB FS 352615 S4E2
Order No.	1195920000
Version	Klippon TB FS (Terminal Box - Fixing Screw), Empty enclosure, stainless steel enclosure, Height: 350 mm, Width: 260 mm, Depth: 150 mm, Gland plates: Bottom, top, Material: Stainless steel 1.4404 (316L), electropolished, silver
GTIN (EAN)	4032248978496
Qty.	1 pc(s).

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Technical data
Dimensions and weights

Width	260 mm	Width (inches)	10.236 inch
Height	350 mm	Height (inches)	13.78 inch
Depth	150 mm	Depth (inches)	5.905 inch
Mounting dimension - width	286 mm	Mounting dimension - height	250 mm
Net weight	7,700 g		

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

Cable glands, left

M12	23	M16	13
M20	11	M25	5
M32	4	M40	3
M50	3	M63	0
M75	0		

Cable glands, right

M12	23	M16	13
M20	11	M25	5
M32	4	M40	3
M50	3	M63	0
M75	0		

Cable glands, top/bottom

M12	20	M16	11
M20	9	M25	4
M32	3	M40	3
M50	2	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. (cULus)	E256877	Certificate No. (CCOE)	CCOEP267536/2

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Technical data**General information**

AF size 1	10 mm	Access opening: height	320 mm
Access opening: width		Areas of use	Explosive risk zone, Process industry, Oil and gas industry, Chemical industry, Offshore, Onshore
	230 mm		
Gland plates	Bottom, top	Installation advice	Terminal rail / mounting plate
Material thickness	1.5 mm	Material thickness of cover	1.5 mm
Material thickness of flange	3 mm	Max. payload	36 kg
Overall dimensions	372 x 311 x 158.5	Position PE bolts	Page C
Standards	DIN EN 62208 - Empty enclosure standard, DIN EN 15085-2, EN 60079-0, EN 60079-7, EN 60079-31, IEC 60079-0, IEC 60079-7, IEC 60079-31	Torque for lid screws	2.5 Nm
Material	Stainless steel 1.4404 (316L)	Seal material	Silicone
Surface finish	electropolished	Operating temperature, min.	-60 °C
Operating temperature, max.	135 °C	Impact resistance	7 J ATEX version, 10 J version standard
Protection degree	IP66, IP67	Note: protection class	If used in temperature ranges above 105 °C, IP protection is limited to IP 66.
Enclosure attachment	4 welded-on mounting feet with 11 mm holes (2 slotted feet and 2 cross- shaped feet)	Lid attachment	M6 hex-head slotted screws SW10
Integral fixing	4, 6 or 9 stud bolts M6 inner (female) thread		

Housing earth

Earth, enclosure, internal	Welded-on M6 stainless- steel earth stud in enclosure body and lid., Continuous M10 earth stud in body enclosure
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horizontal assembly

WDU 10 / ZDU 10	2x17	WDU 16 / ZDU 16	1x14
WDU 2,5 / ZDU 2,5 / IDU 2,5	2x34	WDU 35 / ZDU 35	1x11
WDU 4 / ZDU 4	2x29	WDU 6 / ZDU 6	2x22

vertical assembly

WDU 10 / ZDU 10	1x27	WDU 16 / ZDU 16	1x22
WDU 2,5 / ZDU 2,5 / IDU 2,5	2x53	WDU 35 / ZDU 35	1x15
WDU 4 / ZDU 4	1x44	WDU 6 / ZDU 6	1x33

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Technical data**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		

Product information

Product information Minimum order quantity (20 pieces)

Approvals

Approvals

**Downloads**

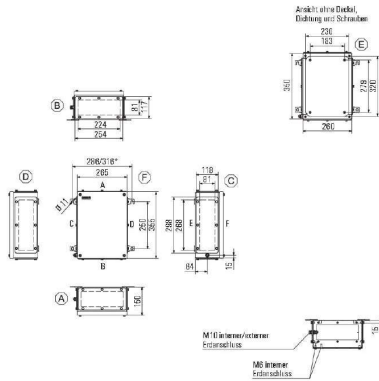
Approval/Certificate/Document of Conformity	Attestation of Conformity - Klippon TB Empty Enclosures - AoC DE PS261X 160309 001ISS01 EU Declaration of Conformity - Klippon TB Empty Enclosures - DoC DE PS261X 160412 001ISS01
Brochure/Catalogue	MB OVERV. PROCESS WD DE MB KLIPPON ENCL.TECN EN MB PROCESS EN FL WIND 2012 EN FL APPL PROCESS EN FL SHIPBUILDING 2016 EN FL RAILWAY 2014 EN PI KLIPPON TB MH QL EN
Engineering Data	EPLAN, WSCAD
Engineering Data	STEP
Tender specification	Klippon TB FS 352615 S4E2_1195920000_DE Klippon TB FS 352615 S4E2_1195920000_EN Klippon TB FS 352615 S4E2_1195920000_NL
User Documentation	MB KLIPPON ENCL.TECN DE Assembly guidelines - empty enclosures

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Drawings

Dimensioned drawing



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Accessories

Earthing stud



**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.

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, Material:
GTIN (EAN)	4032248974658	Stainless steel 1.4404, untreated, silver
Qty.	1 pc(s).	
Type	PEBZ M10 KTB BR SET	Version
Order No.	1192680000	Klippon TB (Terminal Box), Earthing stud, Miscellaneous, Material:
GTIN (EAN)	4032248974641	Brass, untreated, silver
Qty.	1 pc(s).	

with 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 352615 AB S4 PE	Version
Order No.	2023160000	Klippon TB (Terminal Box), flange plate, Height: 254 mm, Width: 117
GTIN (EAN)	4050118403794	mm, Depth: 3 mm, Gland plates: top, Bottom, 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.	1285200000	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.	1252190000	Klippon TB (Terminal Box), Type plate fixings set, Material: Stainless
GTIN (EAN)	4050118043969	steel, rust-proof, untreated, silver
Qty.	1 pc(s).	

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

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Accessories

Type	DOHA KTB A6 S2 W	Version	
Order No.	1252760000	Klippon TB (Terminal Box), Document holders, welded, Height: 110	
GTIN (EAN)	4050118045130	mm, Width: 130 mm, Depth: 20 mm, Material: Stainless steel 1.4301,	
Qty.	1 pc(s).	Mirror polished, silver	

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 352615 AB S4 6MM	Version	
Order No.	1256380000	Klippon TB (Terminal Box), flange plate, Height: 254 mm, Width: 117	
GTIN (EAN)	4050118093797	mm, Depth: 6 mm, Gland plates: top, Bottom, 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.	1274150000	Klippon EBi (Essential Box industrial), Mounting screw, silver	
GTIN (EAN)	4050118063820		
Qty.	1 pc(s).		

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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 352615 R	Version	
Order No.	1281410000	Klippon TB (Terminal Box), Rain hood, Height: 53.4 mm, Width: 265	
GTIN (EAN)	4050118071955	mm, Depth: 160.5 mm, Material: Stainless steel 1.4301, Mirror	
Qty.	1 pc(s).	polished, silver	

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 KTB3526 VER	Version	
Order No.	800006711	Rail, TS 35, TS 35 x 7.5, Length: 295 mm, without slot, Steel,	
GTIN (EAN)	4050118652840	galvanized, chromium-plated	
Qty.	20 pc(s).		
Type	TS35X7.5 ST KTB3526 HOR	Version	
Order No.	800006721	Rail, TS 35, TS 35 x 7.5, Length: 199 mm, without slot, Steel,	
GTIN (EAN)	4050118652895	galvanized, chromium-plated	
Qty.	20 pc(s).		

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Accessories

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 352615 AB S4	Version
Order No.	1280990000	Klippon TB (Terminal Box), flange plate, Height: 254 mm, Width: 117
GTIN (EAN)	4050118071900	mm, Depth: 3 mm, Gland plates: top, Bottom, Material: Stainless steel
Qty.	1 pc(s).	1.4404, electropolished, silver

350 x 260mm



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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 3526 S2N H	Version
Order No.	1257680000	Klippon TB (Terminal Box), Mounting plate, prepunched, Height: 295
GTIN (EAN)	4050118049282	mm, Width: 199 mm, Depth: 1.5 mm, Material: Stainless steel 1.4301
Qty.	1 pc(s).	(304), untreated, silver
Type	KTB MOPL 3526 MSZN	Version
Order No.	1193970000	Klippon TB (Terminal Box), Mounting plate, Height: 295 mm, Width:
GTIN (EAN)	4050118028577	199 mm, Depth: 1.5 mm, Material: Sheet steel, galvanized, silver
Qty.	1 pc(s).	
Type	KTB MOPL 3526 S2N	Version
Order No.	1193840000	Klippon TB (Terminal Box), Mounting plate, Height: 295 mm, Width:
GTIN (EAN)	4050118028447	199 mm, Depth: 1.5 mm, Material: Stainless steel 1.4301 (304),
Qty.	1 pc(s).	untreated, silver
Type	KTB MOPL 3526 MSZN H	Version
Order No.	2022310000	Klippon TB (Terminal Box), Mounting plate, prepunched, Height:
GTIN (EAN)	4050118403633	295 mm, Width: 199 mm, Depth: 1.5 mm, Material: Sheet steel,
Qty.	1 pc(s).	galvanized, silver

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Accessories

Stainless steel 1.4404 (316L)



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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 352615 S4E R	Version
Order No.	1314140000	Klippon TB (Terminal Box), Rain hood, Height: 53.4 mm, Width: 265
GTIN (EAN)	4050118117509	mm, Depth: 160.5 mm, Material: Stainless steel 1.4404 (316L),
Qty.	1 pc(s).	electropolished, silver

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.	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 pc(s).	Mirror polished, silver
Type	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 pc(s).	1.4301, Mirror polished, silver
Type	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 pc(s).	1.4301, Mirror polished, silver