

## KTB FS 553515 S4E2

Weidmüller Interface GmbH & Co. KG  
Klingenbergsstraße 26  
D-32758 Detmold  
Germany

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## 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 in process or power generation industries. The Klippon® TB FS 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

Version	Klippon TB FS (Terminal Box - Fixing Screw), Empty enclosure, stainless steel enclosure, Height: 550 mm, Width: 350 mm, Depth: 150 mm, Gland plates: Bottom, top, Basic material: Stainless steel 1.4404 (316L), electropolished, silver
Order No.	<a href="#">1196320000</a>
Type	KTB FS 553515 S4E2
GTIN (EAN)	4032248979066
Qty.	1 items

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## Technical data

## Approvals

## Approvals



## ROHS

Conform

## UL File Number Search

[UL Website](#)

## Certificate no. (cULus)

E256877

## Dimensions and weights

Depth	150 mm
Height	550 mm
Width	350 mm
Mounting dimension - height	350 mm
Net weight	8550 g

Depth (inches)	5.9055 inch
Height (inches)	21.6535 inch
Width (inches)	13.7795 inch
Mounting dimension - width	376 mm

## Temperatures

Operating temperature	-60 °C...135 °C	Note: room temperature (service)	Limited to IP66 protection when used in temperatures greater than 105 °C.
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## 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
M12	42
M16	24
M25	9
M40	6

M75	0
M50	5
M32	7
M20	20

## Cable glands, right

M25	9
M75	0
M40	6
M32	7
M12	42

M63	0
M16	24
M50	5
M20	20

## Cable glands, top/bottom

M20	13
M63	0

M12	27
M40	4

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## Technical data

M32	5
M50	3
M16	15

M25	6
M75	0

## Certificate numbers enclosure

Certificate No. UL Haz.Loc.	E223792
Certificate No. UL Ord.Loc.	E243298
Attestation of Conformatiy No. (AoC)	DE PS261X 160309 001SS06
Certificate No. Electronic Box (NEPSI)	2020322303003289
Certificate no. Terminal Box (KOSHA)	16-AV4BO-0245X
Certificate No. (DNV)	TAE000013S
Certificate no. Terminal Box (ATEX)	IBExU14ATEX1050
Certificate no. Terminal Box (INMETRO)	LMP 21.0017
Certificate no. Terminal Box (IECEx)	IECEXIBE14.0013
Certificate No. (IECEx)	IECEXKEM10.0019
Approval conditions	ATEX, CCoE, DNV, IECEX, INMETRO, KC, NEPSI, CCC, UL AEx Class Div., UL AEx Class Zone, cULus

Declaration of Conformatiy No. (DoC LVD)	DE PS261X 160412 001SS03
Certificate No. UL 508A	E223801
Certificate No. UL Terminal Box	E223792
Certificate no. empty enclosure (ECAS)	21-09-25241/ E21-09-053807
Certificate no. empty enclosure (INMETRO)	LMP 21.0016U
Certificate no. Terminal Box (AEx)	E223792
Certificate no. empty enclosure (ATEX)	IBExU14ATEX1028 U
Certificate no. (INMETRO)	IEX13.0007
Certificate no. empty enclosure (IECEx)	IECEx IBE 14.0004U
Certificate No. (ATEX)	KEMA10ATEX0050
Certificate no. (cULus)	E256877

## General information

Material thickness of cover	1.5 mm
Material thickness of enclosure	1.5 mm
Operating temperature, min.	-60 °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
Impact resistance	7 J ATEX version, 10 J version standard
Protection degree	IP66, IP67
Seal material	Silicone
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.
Protection class (UL)	Type 3, Type 4X, Type 12
Gland plates	Bottom, top
Access opening: width	298 mm
Flange plate	Yes
Access opening: height	520 mm
Areas of use	Explosive risk zone, Process industry, Oil and gas industry, Chemical industry, Offshore, Onshore

Material thickness of flange	3 mm
Operating temperature, max.	135 °C
Lid attachment	M6 hex-head slotted screws SW10
Surface finish	electropolished
AF size	10 mm
Basic material	Stainless steel 1.4404 (316L)
Torque for lid screws	2.5 Nm
Enclosure attachment	4 welded-on mounting feet with 11 mm holes (2 slotted feet and 2 cross-shaped feet)
Flange plate mounting	M6 hexagonal head screws 10 SW
Number of lid screws	6
Dimension of box	550x710x240
Overall dimensions	572 x 401 x 158.5
Max. payload	77 kg
Position PE bolts	Enclosure side C

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**Technical data****Housing earth**

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

**horizontal assembly**

WDU 10 / ZDU 10	3x26	WDU 16 / ZDU 16	3x22
WDU 2,5 / ZDU 2,5 / IDU 2,5	4x52	WDU 35 / ZDU 35	2x16
WDU 4 / ZDU 4	4x43	WDU 6 / ZDU 6	4x32

**vertical assembly**

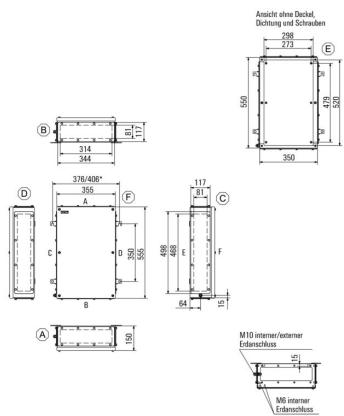
WDU 10 / ZDU 10	2x46	WDU 16 / ZDU 16	1x39
WDU 2,5 / ZDU 2,5 / IDU 2,5	2x91	WDU 35 / ZDU 35	1x29
WDU 4 / ZDU 4	2x76	WDU 6 / ZDU 6	2x58

**Classifications**

ETIM 8.0	EC002503	ETIM 9.0	EC002503
ETIM 10.0	EC002503	ECLASS 14.0	27-18-05-02
ECLASS 15.0	27-18-05-02		

## Drawings

## Dimensioned drawing



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## Accessories

## 550 x 350mm



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 5535 MSZN	Version
Order No.	<a href="#">1194010000</a>	Klippon TB (Terminal Box), Mounting plate, Height: 495 mm, Width: 289 mm, Depth: 1.5 mm, Basic material: Sheet steel, galvanized, silver
GTIN (EAN)	4050118028614	
Qty.	1 ST	
Type	KTB MOPL 5535 S2N	Version
Order No.	<a href="#">1193880000</a>	Klippon TB (Terminal Box), Mounting plate, Height: 495 mm, Width: 289 mm, Depth: 1.5 mm, Basic material: Stainless steel 1.4301 (304), untreated, silver
GTIN (EAN)	4050118028485	
Qty.	1 ST	
Type	KTB MOPL 5535 MSZN H	Version
Order No.	<a href="#">2022650000</a>	Klippon TB (Terminal Box), Mounting plate, prepunched, Height: 495 mm, Width: 289 mm, Depth: 1.5 mm, Basic material: Sheet steel, galvanized, silver
GTIN (EAN)	4050118403701	
Qty.	1 ST	
Type	KTB MOPL 5535 S2N H	Version
Order No.	<a href="#">1257720000</a>	Klippon TB (Terminal Box), Mounting plate, prepunched, Height: 495 mm, Width: 289 mm, Depth: 1.5 mm, Basic material: Stainless steel 1.4301 (304), untreated, silver
GTIN (EAN)	4050118049091	
Qty.	1 ST	

## 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

Type	KTB GP 553515 AB S4	Version
Order No.	<a href="#">1281150000</a>	Klippon TB (Terminal Box), flange plate, straight, Height: 344 mm, Width: 117 mm, Depth: 3 mm, Gland plates: top, Bottom, Basic material: Stainless steel 1.4404, electropolished, silver
GTIN (EAN)	4050118071771	
Qty.	1 ST	

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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

Type	KTB GP 553515 AB S4 6MM	Version
Order No.	<a href="#">1256570000</a>	Klippon TB (Terminal Box), flange plate, straight, Height: 344 mm,
GTIN (EAN)	4050118095890	Width: 117 mm, Depth: 6 mm, Gland plates: top, Bottom, Basic
Qty.	1 ST	material: 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

Type	KTB GP 553515 AB S4 PE	Version
Order No.	<a href="#">2023660000</a>	Klippon TB (Terminal Box), flange plate, straight, Height: 344 mm,
GTIN (EAN)	4050118404265	Width: 117 mm, Depth: 3 mm, Gland plates: top, Bottom, Basic
Qty.	1 ST	material: Stainless steel 1.4404, electropolished, silver

## 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.

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## Accessories

## General ordering data

Type	KTB RNHD 553515 R	Version
Order No.	<a href="#">1281490000</a>	Klippon TB (Terminal Box), Rain hood, Height: 53.4 mm, Width: 355
GTIN (EAN)	4050118072310	mm, Depth: 160.5 mm, Basic material: Stainless steel 1.4301, Mirror polished, silver
Qty.	1 ST	

## Stainless steel 1.4404 (316L)



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## Rain Covers

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## General ordering data

Type	KTB RNHD 553515 S4E R	Version
Order No.	<a href="#">1314240000</a>	Klippon TB (Terminal Box), Rain hood, Height: 53.4 mm, Width: 355
GTIN (EAN)	4050118117271	mm, Depth: 160.5 mm, Basic material: Stainless steel 1.4404 (316L), electropolished, silver
Qty.	1 ST	

## 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 R	Version
Order No.	<a href="#">1257640000</a>	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 1.4301, Stainless steel 1.4301 (304), Mirror polished, silver
Qty.	1 ST	
Type	TPSDHA KTB 130X50 S2 R	Version
Order No.	<a href="#">1283450000</a>	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 1.4301, Stainless steel 1.4301 (304), Mirror polished, silver
Qty.	1 ST	
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, Basic material: Stainless steel 1.4301, Stainless steel 1.4301 (304), Mirror polished, silver
Qty.	1 ST	

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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.	<a href="#">1285200000</a>	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, rust-proof, untreated, silver
Qty.	1 ST	
Type	TPSD FIXING SET KTB	Version
Order No.	<a href="#">1252190000</a>	Klippon TB (Terminal Box), Type plate fixings set, Basic material:
GTIN (EAN)	4050118043969	Stainless steel, rust-proof, untreated, silver
Qty.	20 ST	

## 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 BR SET	Version
Order No.	<a href="#">1192680000</a>	Klippon TB (Terminal Box), Earthing stud, Miscellaneous, Height:
GTIN (EAN)	4032248974641	21 mm, Width: 21 mm, Depth: 48.7 mm, Basic material: Brass, untreated, silver
Qty.	1 ST	

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## Accessories

Type	PEBZ M10 KTB S4 SET	Version
Order No.	<a href="#">1192690000</a>	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



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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.	<a href="#">1252780000</a>	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
Type	DOHA KTB A5 S2 R	Version
Order No.	<a href="#">1252750000</a>	Klippon TB (Terminal Box), Document holders, Riveted, Height: 150
GTIN (EAN)	4050118045390	mm, Width: 180 mm, Depth: 20 mm, Basic material: Stainless steel
Qty.	1 ST	1.4301, Stainless steel 1.4301 (304), Mirror polished, silver
Type	DOHA KTB A4 S2 R	Version
Order No.	<a href="#">1252730000</a>	Klippon TB (Terminal Box), Document holders, Riveted, Height: 200
GTIN (EAN)	4050118045383	mm, Width: 240 mm, Depth: 20 mm, Basic material: Stainless steel
Qty.	1 ST	1.4301, Stainless steel 1.4301 (304), 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:

- 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.	<a href="#">2475490000</a>	Klippon TB (Terminal Box), Grounding strap, Ssrewed, Basic material:
GTIN (EAN)	4050118487206	Steel, Green/yellow
Qty.	1 ST	

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## Accessories

## Depth 7.5 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

Type	TS35X7.5 ST KTB5535 VER	Version
Order No.	<a href="#">8000006715</a>	Rail, TS 35, TS 35 x 7.5, Width: 495 mm, without slot, Steel,
GTIN (EAN)	4050118652932	galvanized, chromium-plated
Qty.	20 ST	
Type	TS35X7.5 ST KTB5535 HOR	Version
Order No.	<a href="#">8000006726</a>	Rail, TS 35, TS 35 x 7.5, Width: 289 mm, without slot, Steel,
GTIN (EAN)	4050118652994	galvanized, chromium-plated
Qty.	20 ST	

## 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.	<a href="#">1274150000</a>	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



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## Accessories

## General ordering data

Type	TS35X15 ST KTB5535 HOR	Version
Order No.	<a href="#">8000073122</a>	Rail, TS 35, TS 35 x 15, Width: 289 mm, without slot, Steel, galvanic
GTIN (EAN)	4064675340775	zinc plated and passivated
Qty.	20 ST	
Type	TS35X15 ST KTB5535 HOR-C	Version
Order No.	<a href="#">8000073123</a>	Rail, TS 35, TS 35 x 15, Width: 289 mm, without slot, Steel, galvanic
GTIN (EAN)	4064675340782	zinc plated and passivated
Qty.	20 ST	
Type	TS35X15 ST KTB5535 VER	Version
Order No.	<a href="#">8000073124</a>	Rail, TS 35, TS 35 x 15, Width: 495 mm, without slot, Steel, galvanic
GTIN (EAN)	4064675340799	zinc plated and passivated
Qty.	20 ST	

## Installation material



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## General ordering data

Type	FKSC M6X8 D9/SW3	Version
Order No.	<a href="#">0642600000</a>	Klippon TB (Terminal Box), Mounting screw, Basic material: Steel
GTIN (EAN)	4008190058258	
Qty.	50 ST	