

## KTB FS 624520 S4E2

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

[www.weidmueller.com](http://www.weidmueller.com)

### Product image



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: 620 mm, Width: 450 mm, Depth: 200 mm, Gland plates: Bottom, top, Basic material: Stainless steel 1.4404 (316L), electropolished, silver
Order No.	<a href="#">1196470000</a>
Type	KTB FS 624520 S4E2
GTIN (EAN)	4032248979011
Qty.	1 items

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## Technical data

### Approvals

Approvals



ROHS	Conform
UL File Number Search	<a href="#">UL Website</a>
Certificate no. (cULus)	E256877

### Dimensions and weights

Depth	200 mm	Depth (inches)	7.874 inch
Height	620 mm	Height (inches)	24.4094 inch
Width	450 mm	Width (inches)	17.7165 inch
Mounting dimension - height	450 mm	Mounting dimension - width	476 mm
Net weight	15650 g		

### 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	5	M75	4
M12	80	M50	6
M16	54	M32	17
M25	30	M20	36
M40	14		

### Cable glands, right

M25	30	M63	5
M75	4	M16	54
M40	14	M50	6
M32	17	M20	36
M12	80		

### Cable glands, top/bottom

M20	27	M12	63
M63	4	M40	10

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## Technical data

M32	12	M25	23
M50	4	M75	3
M16	42		

### Certificate numbers enclosure

Certificate No. UL Haz.Loc.	E223792	Declaration of Conformity No. (DoC LVD)	DE PS261X 160412 001ISS03
Certificate No. UL Ord.Loc.	E243298	Certificate No. UL 508A	E223801
Attestation of Conformity 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. Terminal Box (KOSHA)	16-AV4BO-0245X	Certificate no. empty enclosure (INMETRO)	LMP 21.0016U
Certificate No. (DNV)	TAE000013S	Certificate no. Terminal Box (AEx)	E223792
Certificate no. Terminal Box (ATEX)	IBExU14ATEX1050	Certificate no. empty enclosure (ATEX)	IBExU14ATEX1028 U
Certificate no. Terminal Box (INMETRO)	LMP 21.0017	Certificate no. (INMETRO)	IEX13.0006U
Certificate no. Terminal Box (IECEX)	IECEXIBE14.0013	Certificate no. empty enclosure (IECEX)	IECEX IBE 14.0004U
Certificate No. (IECEX)	IECEXKEM10.0019	Certificate No. (ATEX)	KEMA10ATEX0050
Approval conditions	ATEX, CCoE, DNV, IECEX, INMETRO, KC, NEPSI, CCC, UL AEx Class Div., UL AEx Class Zone, cULus	Certificate no. (cULus)	E256877

### 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	M6 hex-head slotted screws SW10
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	Surface finish	electropolished
Impact resistance	7 J ATEX version, 10 J version standard	AF size	10 mm
Protection degree	IP66, IP67	Basic material	Stainless steel 1.4404 (316L)
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	6
Gland plates	Bottom, top	Dimension of box	630x770x290
Access opening: width	398 mm	Overall dimensions	642 x 501 x 208.5
Flange plate	Yes	Max. payload	112 kg
Access opening: height	590 mm	Position PE bolts	Enclosure side C
Areas of use	Explosive risk zone, Process industry, Oil and gas industry, Chemical industry, Offshore, Onshore		

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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
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### horizontal assembly

WDU 10 / ZDU 10	4x36	WDU 16 / ZDU 16	3x30
WDU 2,5 / ZDU 2,5 / IDU 2,5	5x71	WDU 35 / ZDU 35	2x22
WDU 4 / ZDU 4	5x59	WDU 6 / ZDU 6	4x45

### vertical assembly

WDU 10 / ZDU 10	2x53	WDU 16 / ZDU 16	2x44
WDU 2,5 / ZDU 2,5 / IDU 2,5	3x105	WDU 35 / ZDU 35	1x33
WDU 4 / ZDU 4	3x88	WDU 6 / ZDU 6	3x66

### 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		



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## Accessories

### 620 x 450mm



**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 6245 MSZN	Version
Order No.	<a href="#">1194020000</a>	Klippon TB (Terminal Box), Mounting plate, Height: 565 mm, Width:
GTIN (EAN)	4050118028126	389 mm, Depth: 12 mm, Basic material: Sheet steel, galvanized, silver
Qty.	1 ST	
Type	KTB MOPL 6245 S2N	Version
Order No.	<a href="#">1193890000</a>	Klippon TB (Terminal Box), Mounting plate, Height: 565 mm, Width:
GTIN (EAN)	4050118028492	389 mm, Depth: 12 mm, Basic material: Stainless steel 1.4301 (304),
Qty.	1 ST	untreated, silver
Type	KTB MOPL 6245 MSZN H	Version
Order No.	<a href="#">2022670000</a>	Klippon TB (Terminal Box), Mounting plate, prepunched, Height: 565
GTIN (EAN)	4050118403565	mm, Width: 389 mm, Depth: 12 mm, Basic material: Sheet steel,
Qty.	1 ST	galvanized, silver
Type	KTB MOPL 6245 S2N H	Version
Order No.	<a href="#">1257740000</a>	Klippon TB (Terminal Box), Mounting plate, prepunched, Height: 565
GTIN (EAN)	4050118049329	mm, Width: 389 mm, Depth: 12 mm, Basic material: Stainless steel
Qty.	1 ST	1.4301 (304), untreated, silver

### 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 XX4520 AB S4 3MM	Version
Order No.	<a href="#">1281210000</a>	Klippon TB (Terminal Box), flange plate, straight, Height: 440 mm,
GTIN (EAN)	4050118071948	Width: 167 mm, Depth: 3 mm, Gland plates: top, Bottom, Basic
Qty.	1 ST	material: Stainless steel 1.4404, Stainless steel 1.4404 (316L),
		electropolished, silver

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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 XX4520 AB S4 6MM	Version
Order No.	<a href="#">1256640000</a>	Klippon TB (Terminal Box), flange plate, straight, Height: 440 mm,
GTIN (EAN)	4050118093964	Width: 167 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 XX4520 AB S4 PE	Version
Order No.	<a href="#">2023880000</a>	Klippon TB (Terminal Box), flange plate, straight, Height: 440 mm,
GTIN (EAN)	4050118404074	Width: 167 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 624520 R	Version
Order No.	<a href="#">1281520000</a>	Klippon TB (Terminal Box), Rain hood, Height: 55.9 mm, Width: 455
GTIN (EAN)	4050118072211	mm, Depth: 211.2 mm, Basic material: Stainless steel 1.4301, Mirror
Qty.	1 ST	polished, silver

### 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 XX4520 S4E R	Version
Order No.	<a href="#">1314280000</a>	Klippon TB (Terminal Box), Rain hood, Height: 55.9 mm, Width: 455
GTIN (EAN)	4050118117554	mm, Depth: 211.2 mm, Basic material: Stainless steel 1.4404 (316L),
Qty.	1 ST	electropolished, 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 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
Qty.	1 ST	1.4301, Stainless steel 1.4301 (304), Mirror polished, silver
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
Qty.	1 ST	1.4301, Stainless steel 1.4301 (304), Mirror polished, silver
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
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.	<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,
Qty.	1 ST	rust-proof, untreated, silver
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,
Qty.	1 ST	untreated, silver

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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 KTB6245 VER	Version
Order No.	<a href="#">8000006716</a>	Rail, TS 35, TS 35 x 7.5, Width: 551 mm, without slot, Steel, galvanized, chromium-plated
GTIN (EAN)	4050118652949	
Qty.	20 ST	

Type	TS35X7.5 ST KTB6245 HOR	Version
Order No.	<a href="#">8000006727</a>	Rail, TS 35, TS 35 x 7.5, Width: 375 mm, without slot, Steel, galvanized, chromium-plated
GTIN (EAN)	4050118653007	
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: 8.5 mm, Depth: 8.5 mm, Basic material: Steel, galvanized, galvanic zinc plated and passivated, silver
GTIN (EAN)	4050118063820	
Qty.	1 ST	

### Depth 15 mm



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## Accessories

### General ordering data

Type	TS35X15 ST KTB6245 HOR	Version
Order No.	<a href="#">8000073125</a>	Rail, TS 35, TS 35 x 15, Width: 375 mm, without slot, Steel, galvanic
GTIN (EAN)	4064675340805	zinc plated and passivated
Qty.	20 ST	
Type	TS35X15 ST KTB6245 HOR-C	Version
Order No.	<a href="#">8000073126</a>	Rail, TS 35, TS 35 x 15, Width: 375 mm, without slot, Steel, galvanic
GTIN (EAN)	4064675340812	zinc plated and passivated
Qty.	20 ST	
Type	TS35X15 ST KTB6245 VER	Version
Order No.	<a href="#">8000073127</a>	Rail, TS 35, TS 35 x 15, Width: 551 mm, without slot, Steel, galvanic
GTIN (EAN)	4064675340829	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	