

**KTB QL 484815 S4E4****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 QL enclosure range offers further improvements to a product line that is already successfully leading the market.

The Klippon® TB QL enclosure series 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
- Quick-locking cover, comes with a slot as standard
- Improved temperature performance
- IP66 protection
- Earthing stud in the cover and base of the enclosure
- Welded mounting feet
- International approvals

**General ordering data**

Version	Klippon TB QL (Terminal Box - Quarter Lock), Empty enclosure, stainless steel enclosure, Height: 480 mm, Width: 480 mm, Depth: 150 mm, Gland plates: Bottom, top, left, right, Material: Stainless steel 1.4404 (316L), electropolished, silver
Order No.	<a href="#">1200480000</a>
Type	KTB QL 484815 S4E4
GTIN (EAN)	4032248983520
Qty.	1 pc(s).

**KTB QL 484815 S4E4**
**Weidmüller Interface GmbH & Co. KG**

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 Germany

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

Depth	150 mm	Depth (inches)	5.905 inch
Height	480 mm	Height (inches)	18.898 inch
Width	480 mm	Width (inches)	18.898 inch
Mounting dimension - height	327 mm	Mounting dimension - width	536 mm
Net weight	15,790 g		

**Temperatures**

Operating temperature	Note: room temperature (service)	Limited to IP66 protection when used in temperatures greater than 105 °C.
-60 °C...135 °C		

**Cable glands, left**

M12	36	M16	20
M20	17	M25	7
M32	6	M40	5
M50	4	M63	0
M75	0		

**Cable glands, right**

M12	36	M16	20
M20	17	M25	7
M32	6	M40	5
M50	4	M63	0
M75	0		

**Cable glands, top/bottom**

M12	39	M16	22
M20	19	M25	8
M32	7	M40	6
M50	5	M63	0
M75	0		

**Certificate numbers enclosure**

Approval conditions	ATEX, CCoE, DNV, IECEx, INMETRO, KC, NEPSI, CCC, UL AEx Class Div., UL AEx Class Zone, cULus	Attestation of Conformatiy No. (AoC)	
Certificate No. (ATEX)	KEMA10ATEX0046U	Certificate No. (CCOE)	DE PS261X 160309 001ISS03
Certificate No. (DNV)	TAE000013S	Certificate No. (IECEX)	P461058_1
Certificate No. Electronic Box (NEPSI)	2020322303003289	Certificate No. UL 508A	IECEXKEM10.0015U
Certificate No. UL Haz.Loc.	E223792	Certificate No. UL Ord.Loc.	E223801
Certificate No. UL Terminal Box	E223792	Certificate no. (INMETRO)	E243298
Certificate no. (cULus)	E243298	Certificate no. Terminal Box (AEx)	IEX13.0006U
Certificate no. Terminal Box (ATEX)	IBExU14ATEX1050	Certificate no. Terminal Box (IECEX)	E223792
Certificate no. Terminal Box (INMETRO)	LMP 21.0017	Certificate no. Terminal Box (KOSHA)	IECEXIBE14.0013
Certificate no. empty enclosure (ATEX)	IBExU14ATEX1028 U	Certificate no. empty enclosure (ECAS)	16-AV4BO-0245X
Certificate no. empty enclosure (IECEX)	IECEX IBE 14.0004U	Certificate no. empty enclosure (INMETRO)	<b>21-09-25241/ E21-09-053807</b>
Declaration of Conformatiy No. (DoC LVD)	DE PS261X 160412 001ISS02		LMP 21.0016U

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**General information**

AF size	10 mm	Access opening: height	427 mm
Access opening: width		Areas of use	Explosive risk zone, Process industry, Oil and gas industry, Chemical industry, Offshore, Onshore
	421 mm		
Dimension of box		Enclosure attachment	4 welded-on mounting feet with 11 mm holes (2 slotted feet and 2 cross-shaped feet)
	640x680x240		
Flange plate		Flange plate mounting	M6 hexagonal head screws 10 SW
	Yes		
Gland plates		Impact resistance	7 J ATEX version, 10 J version standard
	Bottom, top, left, right		
Integral fixing		Lid attachment	Quarter-turn fastener with slotted insert
	4, 6 or 9 stud bolts M6 inner (female) thread		
Material		Material thickness of cover	1.5 mm
	Stainless steel 1.4404 (316L)		
Material thickness of enclosure		Material thickness of flange	3 mm
	1.5 mm		
Max. payload		Note: protection class	If used in temperature ranges above 105 °C, IP protection is limited to IP 66.
	92 kg		
Opening angle lid		Operating temperature, max.	135 °C
	130 °		
Operating temperature, min.		Overall dimensions	502 x 561 x 160
	-60 °C		
Position PE bolts		Protection class (UL)	Type 3, Type 4X, Type 12
	Enclosure side C		
Protection degree		Seal material	Silicone
	IP66		
Standards		Surface finish	
	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		electropolished

**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	3x39	WDU 16 / ZDU 16	2x32
WDU 2,5 / ZDU 2,5 / IDU 2,5	4x77	WDU 35 / ZDU 35	2x24
WDU 4 / ZDU 4	3x64	WDU 6 / ZDU 6	3x48

**vertical assembly**

WDU 10 / ZDU 10	2x39	WDU 16 / ZDU 16	2x33
WDU 2,5 / ZDU 2,5 / IDU 2,5	4x78	WDU 35 / ZDU 35	1x25
WDU 4 / ZDU 4	3x65	WDU 6 / ZDU 6	3x49

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## Technical data

## Classifications

ETIM 6.0	EC002503	ETIM 7.0	EC002503
ETIM 8.0	EC002503	ETIM 9.0	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

## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	8d5fcdfe-c58e-44e1-a6b4-74d2bbccc9dd

## Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E243298

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## Technical data

### Downloads

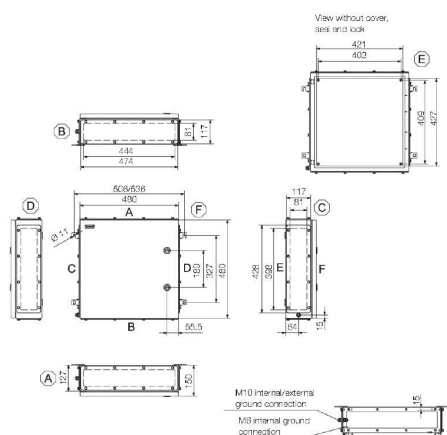
Approval/Certificate/Document of Conformity	<a href="#">CCC 2020322303002358 KTB Assembly Enclosure</a>
	<a href="#">CCC 2020322303002357 KTB Empty Enclosure</a>
	<a href="#">Attestation of Conformity - Klippon TB Empty Enclosures - AoC DE PS261X 160309 001ISS06</a>
	<a href="#">IBEXU14ATEX1028U</a>
	<a href="#">IBEXU14ATEX1050</a>
	<a href="#">IECEXIBE14.0004U</a>
	<a href="#">IECEXIBE14.0013</a>
	<a href="#">TAE000013S</a>
	<a href="#">GYJ14.1310X</a>
	<a href="#">IECEXPTB11.0071</a>
	<a href="#">PTB11ATEX2019</a>
	<a href="#">16-AV4BO-245X</a>
	<a href="#">P4610581_1</a>
	<a href="#">24-01-100099/E24-01-102546/NB10</a>
	<a href="#">LMP 21.0017 - CAIXA DE JUNÇÃO KLIPPON TB - KTB MH QL FS</a>
	<a href="#">CERTIFICADO - LMP 21.0016U KLIPPON TB</a>
	<a href="#">CERTIFICADO LMP 21.0017 KLIPPON TB</a>
	<a href="#">EU Declaration of Conformity - Klippon TB Empty Enclosures - DoC DE PS261X 160412 001ISS03</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Tender specification	<a href="#">Klippon TB QL 484815 S4E4_1200480000_DE</a>
	<a href="#">Klippon TB QL 484815 S4E4_1200480000_EN</a>
	<a href="#">Klippon TB QL 484815 S4E4_1200480000_NL</a>
User Documentation	<a href="#">Assembly guidelines - empty enclosures</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	<a href="#">MB OVERV. PROCESS WD DE</a>
	<a href="#">MB KLIPPON ENCL.TECN EN</a>
	<a href="#">MB PROCESS 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>
	<a href="#">PI KLIPPON TB MH QL EN</a>

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

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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.	<a href="#">1192690000</a>	Klippon TB (Terminal Box), Earthing stud, Miscellaneous, Height:
GTIN (EAN)	4032248974658	21 mm, Width: 21 mm, Depth: 48.7 mm, Material: Stainless steel
Qty.	1 pc(s).	1.4404, untreated, silver
Type	PEBZ M10 KTB BR SET	Version
Order No.	<a href="#">1192680000</a>	Klippon TB (Terminal Box), Earthing stud, Miscellaneous, Height: 21
GTIN (EAN)	4032248974641	mm, Width: 21 mm, Depth: 48.7 mm, Material: Brass, untreated, silver
Qty.	1 pc(s).	

## 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 XX4815 S4E R	Version
Order No.	<a href="#">1314220000</a>	Klippon TB (Terminal Box), Rain hood, Height: 53.4 mm, Width: 485
GTIN (EAN)	4050118117493	mm, Depth: 160.5 mm, Material: Stainless steel 1.4404 (316L),
Qty.	1 pc(s).	electropolished, 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, Material: Stainless steel, rust-
Qty.	1 pc(s).	proof, untreated, silver
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).	
Type	FKSC M6X8 D9/SW3	Version
Order No.	<a href="#">0642600000</a>	Klippon TB (Terminal Box), Mounting screw, Material: Steel
GTIN (EAN)	4008190058258	
Qty.	50 pc(s).	



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## Accessories

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

### General ordering data

Type	KTb RNHD 484815 R	Version
Order No.	<a href="#">1281470000</a>	Klippon TB (Terminal Box), Rain hood, Height: 53.4 mm, Width: 485
GTIN (EAN)	4050118072112	mm, Depth: 160.5 mm, Material: Stainless steel 1.4301, Mirror
Qty.	1 pc(s).	polished, silver

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## Accessories

### 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 XX4815 AB S4 3MM	Version
Order No.	<a href="#">1281110000</a>	Klippon TB (Terminal Box), flange plate, straight, Height: 474 mm,
GTIN (EAN)	4050118071931	Width: 117 mm, Depth: 3 mm, Gland plates: top, Bottom, Material:
Qty.	1 pc(s).	Stainless steel 1.4404, electropolished, silver
Type	KTB GP 48XX15 CD S4 3MM	Version
Order No.	<a href="#">1281120000</a>	Klippon TB (Terminal Box), flange plate, straight, Height: 428 mm,
GTIN (EAN)	4050118071825	Width: 117 mm, Depth: 3 mm, Gland plates: left, right, Material:
Qty.	1 pc(s).	Stainless steel 1.4404, electropolished, silver

### Closure elements



#### **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.

#### **Sealing systems**

There are different closure systems available for the safe and orderly sealing of the enclosure. There are padlocks for the Klippon® TB MH enclosures and a variety of lock inserts for the Klippon® TB QL enclosures.

### General ordering data

Type	KTB QLL S2 DB3	Version
Order No.	<a href="#">1191590000</a>	Klippon TB (Terminal Box), Closure element, Material: Stainless steel
GTIN (EAN)	4050118134285	1.4301, untreated, silver
Qty.	50 pc(s).	
Type	KTB QLL S2 SLS	Version
Order No.	<a href="#">1191600000</a>	Klippon TB (Terminal Box), Closure element, Material: Stainless steel
GTIN (EAN)	4050118137989	1.4301, untreated, silver
Qty.	10 pc(s).	
Type	KTB QLH S4 SLS	Version
Order No.	<a href="#">1191610000</a>	Klippon TB (Terminal Box), Closure element, Material: Stainless steel
GTIN (EAN)	4050118137965	1.4404, untreated, silver
Qty.	50 pc(s).	

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****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, Material: Steel, galvanized, galvanic zinc
Qty.	1 pc(s).	plated and passivated, silver

**Depth 7.5 mm****General ordering data**

Type	TS35X7.5 ST KTB4848 HOR	Version
Order No.	<a href="#">8000006725</a>	Rail, TS 35, TS 35 x 7.5, Width: 419 mm, without slot, Steel,
GTIN (EAN)	4050118652987	galvanized, chromium-plated
Qty.	20 pc(s).	
Type	TS35X7.5 ST KTB4848 VER	Version
Order No.	<a href="#">8000006714</a>	Rail, TS 35, TS 35 x 7.5, Width: 425 mm, without slot, Steel,
GTIN (EAN)	4050118652871	galvanized, chromium-plated
Qty.	20 pc(s).	

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## Accessories

### Gland plates with earthing studs



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

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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 48XX15 CD S4 PE	Version
Order No.	<a href="#">2023540000</a>	Klippon TB (Terminal Box), flange plate, straight, Height: 428 mm,
GTIN (EAN)	4050118404159	Width: 117 mm, Depth: 3 mm, Gland plates: left, right, Material:
Qty.	1 pc(s).	Stainless steel 1.4404, electropolished, silver
Type	KTB GP XX4815 AB S4 PE	Version
Order No.	<a href="#">2023530000</a>	Klippon TB (Terminal Box), flange plate, straight, Height: 474 mm,
GTIN (EAN)	4050118404173	Width: 117 mm, Depth: 3 mm, Gland plates: top, Bottom, Material:
Qty.	1 pc(s).	Stainless steel 1.4404, electropolished, silver

### 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 48XX15 CD S4 6MM	Version
Order No.	<a href="#">1256540000</a>	Klippon TB (Terminal Box), flange plate, straight, Height: 428 mm,
GTIN (EAN)	4050118095883	Width: 117 mm, Depth: 6 mm, Gland plates: left, right, Material:
Qty.	1 pc(s).	Stainless steel 1.4404, electropolished, silver
Type	KTB GP XX4815 AB S4 6MM	Version
Order No.	<a href="#">1256530000</a>	Klippon TB (Terminal Box), flange plate, straight, Height: 474 mm,
GTIN (EAN)	4050118095876	Width: 117 mm, Depth: 6 mm, Gland plates: top, Bottom, Material:
Qty.	1 pc(s).	Stainless steel 1.4404, electropolished, silver

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## Accessories

### 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 2R	Version
Order No.	<a href="#">1257640000</a>	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 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
Type	TPSDHA KTB 130X50 S2 R	Version
Order No.	<a href="#">1283450000</a>	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

### 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, Sscrewed, Material: Steel,
GTIN (EAN)	4050118487206	Green/yellow
Qty.	1 pc(s).	

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## Accessories

### Depth 15 mm



#### General ordering data

Type	TS35X15 ST KTB4848 VER	Version
Order No.	<a href="#">8000073120</a>	Rail, TS 35, TS 35 x 15, Width: 425 mm, without slot, Steel, galvanic
GTIN (EAN)	4064675340768	zinc plated and passivated
Qty.	20 pc(s).	
Type	TS35X15 ST KTB4848 HOR	Version
Order No.	<a href="#">8000073119</a>	Rail, TS 35, TS 35 x 15, Width: 419 mm, without slot, Steel, galvanic
GTIN (EAN)	4064675340751	zinc plated and passivated
Qty.	20 pc(s).	

### 480 x 480mm



#### **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 4848 MSZN	Version
Order No.	<a href="#">1194000000</a>	Klippon TB (Terminal Box), Mounting plate, Height: 425 mm, Width: 419 mm, Depth: 1.5 mm, Material: Sheet steel, galvanized, silver
GTIN (EAN)	4050118028607	
Qty.	1 pc(s).	
Type	KTB MOPL 4848 S2N	Version
Order No.	<a href="#">1193870000</a>	Klippon TB (Terminal Box), Mounting plate, Height: 425 mm, Width: 419 mm, Depth: 1.5 mm, Material: Stainless steel 1.4301 (304), untreated, silver
GTIN (EAN)	4050118028478	
Qty.	1 pc(s).	
Type	KTB MOPL 4848 S2N H	Version
Order No.	<a href="#">1257710000</a>	Klippon TB (Terminal Box), Mounting plate, prepunched, Height: 425 mm, Width: 419 mm, Depth: 1.5 mm, Material: Stainless steel 1.4301 (304), untreated, silver
GTIN (EAN)	4050118049336	
Qty.	1 pc(s).	
Type	KTB MOPL 4848 MSZN H	Version
Order No.	<a href="#">2022610000</a>	Klippon TB (Terminal Box), Mounting plate, prepunched, Height: 425 mm, Width: 419 mm, Depth: 1.5 mm, Material: Sheet steel, galvanized, silver
GTIN (EAN)	4050118403374	
Qty.	1 pc(s).	