

## KTB QL 484820 S4E3

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 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: 200 mm, Gland plates: Bottom, left, right, Basic material: Stainless steel 1.4404 (316L), electropolished, silver
Order No.	<a href="#">1200530000</a>
Type	KTB QL 484820 S4E3
GTIN (EAN)	4032248983339
Qty.	1 items

## KTB QL 484820 S4E3

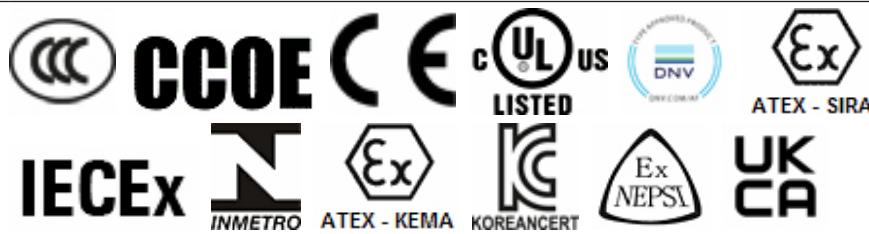
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## Technical data

## Approvals

## Approvals



ROHS	Conform
UL File Number Search	<a href="#">UL Website</a>
Certificate no. (cULus)	E243298

## Dimensions and weights

Depth	200 mm	Depth (inches)	7.874 inch
Height	480 mm	Height (inches)	18.8976 inch
Width	480 mm	Width (inches)	18.8976 inch
Mounting dimension - height	327 mm	Mounting dimension - width	536 mm
Net weight	16742 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	4	M75	3
M12	60	M50	4
M16	40	M32	12
M25	21	M20	26
M40	10		

## Cable glands, right

M25	21	M63	4
M75	3	M16	40
M40	10	M50	4
M32	12	M20	26
M12	60		

## Cable glands, top/bottom

M20	29	M12	65
M63	4	M40	11

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## Technical data

M32	13
M50	5
M16	44

M25	24
M75	3

## Certificate numbers enclosure

Certificate No. UL HazLoc.	E223792
Certificate No. UL OrdLoc.	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. (CCOE)	P461058_1
Certificate no. empty enclosure (ATEX)	IBExU14ATEX1028 U
Certificate no. (INMETRO)	IEX13.0006U
Certificate no. empty enclosure (IECEx)	IECEx IBE 14.0004U
Certificate No. (ATEX)	KEMA10ATEX0050

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. Terminal Box (ATEX)	IBExU14ATEX1050
Certificate no. Terminal Box (INMETRO)	LMP 21.0017
Certificate no. Terminal Box (IECEx)	IECExIBE14.0013
Certificate No. (IECEx)	IECExKEM10.0020
Approval conditions	ATEX, CCoE, DNV, IECEx, INMETRO, KC, NEPSI, CCC, UL AEx Class Div., UL AEx Class Zone, cULus

Certificate no. (cULus)	E243298
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## 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 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
Impact resistance	7 J ATEX version, 10 J version standard
Protection degree	IP66
Seal material	Silicone
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
Gland plates	Bottom, left, right
Access opening: width	421 mm
Overall dimensions	491 x 561 x 210
Max. payload	92 kg
Position PE bolts	Enclosure side C

Material thickness of flange	3 mm
Operating temperature, max.	135 °C
Lid attachment	Quarter-turn fastener with slotted insert
Surface finish	electropolished
AF size	10 mm
Basic material	Stainless steel 1.4404 (316L)
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
Dimension of box	640x680x290
Opening angle lid	130.00 °
Flange plate	Yes
Access opening: height	427 mm
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.
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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

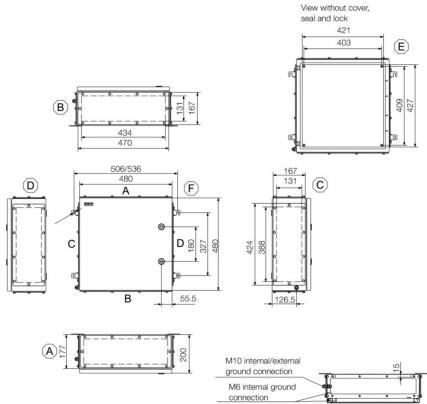
**Classifications**

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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**Drawings**

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## Accessories

## 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, Basic material: Sheet steel, galvanized, silver
GTIN (EAN)	4050118028607	
Qty.	1 ST	
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, Basic material: Stainless steel 1.4301 (304), untreated, silver
GTIN (EAN)	4050118028478	
Qty.	1 ST	
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, Basic material: Sheet steel, galvanized, silver
GTIN (EAN)	4050118403374	
Qty.	1 ST	
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, Basic material: Stainless steel 1.4301 (304), untreated, silver
GTIN (EAN)	4050118049336	
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 XX4820 AB S4 3MM	Version
Order No.	<a href="#">1281130000</a>	Klippon TB (Terminal Box), flange plate, straight, Height: 470 mm, Width: 167 mm, Depth: 3 mm, Gland plates: top, Bottom, Basic material: Stainless steel 1.4404, Stainless steel 1.4404 (316L), electropolished, silver
GTIN (EAN)	4050118071573	
Qty.	1 ST	
Type	KTB GP 48XX20 CD S4 3MM	Version
Order No.	<a href="#">1281140000</a>	Klippon TB (Terminal Box), flange plate, straight, Height: 424 mm, Width: 167 mm, Depth: 3 mm, Gland plates: left, right, Basic material: Stainless steel 1.4404, Stainless steel 1.4404 (316L), electropolished, silver
GTIN (EAN)	4050118072051	
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 XX4820 AB S4 6MM	Version
Order No.	<a href="#">1256550000</a>	Klippon TB (Terminal Box), flange plate, straight, Height: 470 mm,
GTIN (EAN)	4050118093902	Width: 167 mm, Depth: 6 mm, Gland plates: top, Bottom, Basic
Qty.	1 ST	material: Stainless steel 1.4404, Stainless steel 1.4404 (316L), electropolished, silver
Type	KTB GP 48XX20 CD S4 6MM	Version
Order No.	<a href="#">1256560000</a>	Klippon TB (Terminal Box), flange plate, straight, Height: 424 mm,
GTIN (EAN)	4050118093919	Width: 167 mm, Depth: 6 mm, Gland plates: left, right, Basic material:
Qty.	1 ST	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 XX4820 AB S4 PE	Version
Order No.	<a href="#">2023580000</a>	Klippon TB (Terminal Box), flange plate, straight, Height: 470 mm,
GTIN (EAN)	4050118404111	Width: 167 mm, Depth: 3 mm, Gland plates: top, Bottom, Basic
Qty.	1 ST	material: Stainless steel 1.4404, electropolished, silver
Type	KTB GP 48XX20 CD S4 PE	Version
Order No.	<a href="#">2023620000</a>	Klippon TB (Terminal Box), flange plate, straight, Height: 424 mm,
GTIN (EAN)	4050118403596	Width: 167 mm, Depth: 3 mm, Gland plates: left, right, Basic material:
Qty.	1 ST	Stainless steel 1.4404, electropolished, silver

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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 484820 R	Version
Order No.	<a href="#">1281480000</a>	Klippon TB (Terminal Box), Rain hood, Height: 55.9 mm, Width: 485
GTIN (EAN)	4050118072198	mm, Depth: 211.2 mm, Basic material: Stainless steel 1.4301, Mirror
Qty.	1 ST	polished, 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 2R	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

## Closure elements



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

## 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.

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## Accessories

## 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	

## 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 1.4301, Stainless steel 1.4301 (304), Mirror polished, silver
Qty.	1 ST	
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 1.4301, Stainless steel 1.4301 (304), Mirror polished, silver
Qty.	1 ST	
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 1.4301, Stainless steel 1.4301 (304), Mirror polished, silver
Qty.	1 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

## 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	

## Stainless steel 1.4404 (316L)



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## Rain Covers

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## General ordering data

Type	KTB RNHD XX4820 S4E R	Version
Order No.	<a href="#">1314230000</a>	Klippon TB (Terminal Box), Rain hood, Height: 55.9 mm, Width: 485
GTIN (EAN)	4050118117349	mm, Depth: 211.2 mm, Basic material: Stainless steel 1.4404 (316L),
Qty.	1 ST	electropolished, silver

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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 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 ST	
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 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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## Terminal rails

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## Accessories

## General ordering data

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 ST	
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 ST	

## Installation material



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## 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	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	