

KTB FS 765020 S4E0

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

www.weidmueller.com

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: 762 mm, Width: 508 mm, Depth: 200 mm, Basic material: Stainless steel 1.4404 (316L), electropolished, silver
Order No.	1196550000
Type	KTB FS 765020 S4E0
GTIN (EAN)	4032248978991
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	200 mm
Height	762 mm
Width	508 mm
Mounting dimension - height	508 mm
Net weight	13750 g

Depth (inches)	7.874 inch
Height (inches)	29.9999 inch
Width (inches)	20 inch
Mounting dimension - width	534 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	6
M12	96
M16	64
M25	34
M40	14

M75	4
M50	6
M32	18
M20	40

Cable glands, right

M25	34
M75	4
M40	14
M32	18
M12	96

M63	6
M16	64
M50	6
M20	40

Cable glands, top/bottom

M20	32
M63	4

M12	70
M40	12

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Technical data

M32	14
M50	5
M16	48

M25	26
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. Terminal Box (ATEX)	IBExU14ATEX1050
Certificate no. Terminal Box (INMETRO)	LMP 21.0017
Certificate no. Terminal Box (IECEx)	IECEXIBE14.0013
Certificate No. (IECEx)	IECEXKEM10.0015U
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)	IEX17.0021
Certificate no. empty enclosure (IECEx)	IECEx IBE 14.0004U
Certificate No. (ATEX)	KEMA10ATEX0046U
Certificate no. (cULus)	E256877

General information

Material thickness of cover	1.5 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)
Protection class (UL)	Type 3, Type 4X, Type 12
Dimension of box	690x920x290
Overall dimensions	762 x 559 x 208.5
Max. payload	155 kg
Position PE bolts	Enclosure side C

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.
Number of lid screws	8
Access opening: width	456 mm
Flange plate	No
Access opening: height	710 mm
Areas of use	Explosive risk zone, Process industry, Oil and gas industry, Chemical industry, Offshore, Onshore

Housing earth

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

Continuous M10 earth
stud in body enclosure

horizontal assembly

WDU 10 / ZDU 10	5x42
WDU 2,5 / ZDU 2,5 / IDU 2,5	7x82
WDU 4 / ZDU 4	6x69

WDU 16 / ZDU 16	4x35
WDU 35 / ZDU 35	3x26
WDU 6 / ZDU 6	5x52

vertical assembly

WDU 10 / ZDU 10	3x67
WDU 2,5 / ZDU 2,5 / IDU 2,5	4x132
WDU 4 / ZDU 4	4x111

WDU 16 / ZDU 16	2x56
WDU 35 / ZDU 35	2x42
WDU 6 / ZDU 6	3x83

Classifications

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

ETIM 9.0	EC002503
ECLASS 14.0	27-18-05-02

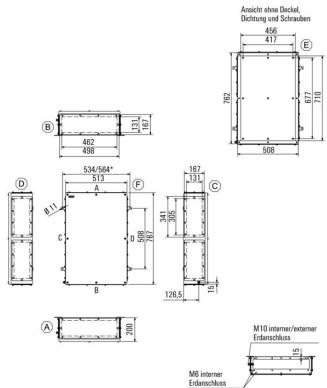
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Drawings

Dimensioned drawing



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Accessories

762 x 508mm



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 7650 MSZN	Version
Order No.	1194030000	Klippon TB (Terminal Box), Mounting plate, Height: 707 mm, Width: 447 mm, Depth: 12 mm, Basic material: Sheet steel, galvanized, silver
GTIN (EAN)	4050118028621	
Qty.	1 ST	
Type	KTB MOPL 7650 S2N	Version
Order No.	1193900000	Klippon TB (Terminal Box), Mounting plate, Height: 707 mm, Width: 447 mm, Depth: 12 mm, Basic material: Stainless steel 1.4301 (304), untreated, silver
GTIN (EAN)	4050118028515	
Qty.	1 ST	
Type	KTB MOPL 7650 MSZN H	Version
Order No.	2022680000	Klippon TB (Terminal Box), Mounting plate, prepunched, Height: 707 mm, Width: 447 mm, Depth: 12 mm, Basic material: Sheet steel, galvanized, silver
GTIN (EAN)	4050118403893	
Qty.	1 ST	
Type	KTB MOPL 7650 S2N H	Version
Order No.	1257750000	Klippon TB (Terminal Box), Mounting plate, prepunched, Height: 707 mm, Width: 447 mm, Depth: 12 mm, Basic material: Stainless steel 1.4301 (304), untreated, silver
GTIN (EAN)	4050118049299	
Qty.	1 ST	

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 765020 R	Version
Order No.	1281540000	Klippon TB (Terminal Box), Rain hood, Height: 55.9 mm, Width: 513 mm, Depth: 211.2 mm, Basic material: Stainless steel 1.4301, Mirror polished, silver
GTIN (EAN)	4050118072181	
Qty.	1 ST	

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Accessories

Stainless steel 1.4404 (316L)



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General ordering data

Type	KTB RNHD 765020 S4E R	Version
Order No.	1314300000	Klippon TB (Terminal Box), Rain hood, Height: 55.9 mm, Width: 513
GTIN (EAN)	4050118117257	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 2R	Version
Order No.	1257640000	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.	1283450000	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.	1279320000	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.	1285200000	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.	1252190000	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.	1192680000	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.	1192690000	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.	1252780000	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.	1252750000	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.	1252730000	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.	2475490000	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 KTB7650 HOR	Version
Order No.	8000006728	Rail, TS 35, TS 35 x 7.5, Width: 447 mm, without slot, Steel, galvanic
GTIN (EAN)	4050118653014	zinc plated and passivated
Qty.	20 ST	
Type	TS35X7.5 ST KTB7650 VER	Version
Order No.	8000006717	Rail, TS 35, TS 35 x 7.5, Width: 693 mm, without slot, Steel,
GTIN (EAN)	4050118652956	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.	1274150000	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 KTB7650 HOR	Version
Order No.	8000073128	Rail, TS 35, TS 35 x 15, Width: 433 mm, without slot, Steel, galvanic
GTIN (EAN)	4064675340836	zinc plated and passivated
Qty.	20 ST	
Type	TS35X15 ST KTB7650 HOR-C	Version
Order No.	8000073129	Rail, TS 35, TS 35 x 15, Width: 433 mm, without slot, Steel, galvanic
GTIN (EAN)	4064675340843	zinc plated and passivated
Qty.	20 ST	
Type	TS35X15 ST KTB7650 VER	Version
Order No.	8000073130	Rail, TS 35, TS 35 x 15, Width: 693 mm, without slot, Steel, galvanic
GTIN (EAN)	4064675340867	zinc plated and passivated
Qty.	20 ST	
Type	TS35X15 ST KTB7650 VER-C	Version
Order No.	8000073131	Rail, TS 35, TS 35 x 15, Width: 693 mm, without slot, Steel, galvanic
GTIN (EAN)	4064675340874	zinc plated and passivated
Qty.	20 ST	

Installation material



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General ordering data

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