KTB FS 987420 S4E3

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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: 980 mm, Width: 740 mm, Depth: 200 mm, Gland plates: Bottom, left, right, Basic material: Stainless steel 1.4404 (316L), electropolished, silver
Order No.	1196730000
Type	KTB FS 987420 S4E3
GTIN (EAN)	4032248979271
Qty.	1 items

KTB FS 987420 S4E3

Technical data

Approvals

Approvals	

ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E256877

Dimensions and weights

Depth	200 mm	Depth (inches)	7.874 inch
Height	980 mm	Height (inches)	38.5826 inch
Width	740 mm	Width (inches)	29.1338 inch
Mounting dimension - height	625 mm	Mounting dimension - width	796 mm
Net weight	34200 g		

Temperatures

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

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	8	M75	6
M12	126	M50	10
M16	84	M32	26
M25	48	M20	54
M40	22		

Cable glands, right

M25	48	M63	8
M75	6	M16	84
M40	22	M50	10
M32	26	M20	54
M12	126		

Cable glands, top/bottom

M20	42	M12	96
M63	6	M40	16

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Technical data

M32	20	M25	36
M50	6	M75	4
M16	64		

Certificate numbers enclosure

Certificate No. UL Haz.Loc.	E223792	Declaration of Conformatiy No. (DoC LVD)	DE PS261X 160412 001ISS03
Certificate No. UL Ord.Loc.	E243298	Certificate No. UL 508A	E223801
Attestation of Conformatiy 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)	IEX17.0021
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	10
Gland plates	Bottom, left, right	Dimension of box	925x1130x240
Access opening: width	688 mm	Overall dimensions	991 x 821 x 208.5
Flange plate	Yes	Max. payload	290 kg
Access opening: height	928 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

horizontal assembly

WDU 10 / ZDU 10	6x64	WDU 16 / ZDU 16	5x54
WDU 2,5 / ZDU 2,5 / IDU 2,5	9x127	WDU 35 / ZDU 35	4x40
WDU 4 / ZDU 4	8x106	WDU 6 / ZDU 6	7x80

vertical assembly

WDU 10 / ZDU 10	4x88	WDU 16 / ZDU 16	4x74
WDU 2,5 / ZDU 2,5 / IDU 2,5	6x174	WDU 35 / ZDU 35	3x55
WDU 4 / ZDU 4	6x146	WDU 6 / ZDU 6	5x110

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

Dimensioned drawing
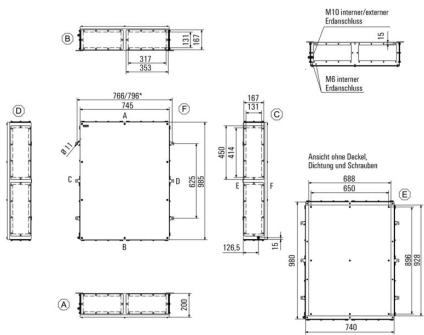
Weidmüller

Accessories

980 x 740mm

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 9874 MSZN	Version
Order No.	1194050000	Klippon TB (Terminal Box), Mounting plate, Height: 926 mm, Width:
GTIN (EAN)	4050118028645	680 mm, Depth: 12 mm, Basic material: Sheet steel, galvanized, silver
Qty.	1 ST	
Type	KTB MOPL 9874 S2N	Version
Order No.	1193920000	Klippon TB (Terminal Box), Mounting plate, Height: 926 mm, Width:
GTIN (EAN)	4050118028539	680 mm, Depth: 12 mm, Basic material: Stainless steel 1.4301 (304),
Qty.	1 ST	untreated, silver
Type	KTB MOPL 9874 MSZN H	Version
Order No.	2022760000	Klippon TB (Terminal Box), Mounting plate, prepunched, Height: 926
GTIN (EAN)	4050118403763	mm, Width: 680 mm, Depth: 12 mm, Basic material: Sheet steel,
Qty.	1 ST	galvanized, silver
Type	KTB MOPL 9874 S2N H	Version
Order No.	1257770000	Klippon TB (Terminal Box), Mounting plate, prepunched, Height: 926
GTIN (EAN)	4050118049404	mm, Width: 680 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 XX7420 AB S4 3MM	Version
Order No.	1281310000	Klippon TB (Terminal Box), flange plate, straight, Height: 353 mm,
GTIN (EAN)	4050118072037	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
Type	KTB GP 98XX20 CD S4 3MM	Version
Order No.	1281320000	Klippon TB (Terminal Box), flange plate, straight, Height: 450
GTIN (EAN)	4050118071689	mm, Width: 167 mm, Depth: 3 mm, Gland plates: left, right, Basic
Qty.	1 ST	material: Stainless steel 1.4404, Stainless steel 1.4404 (316L),
		electropolished, silver

KTB FS 987420 S4E3

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 XX7420 AB S4 6MM	Version
Order No.	1256750000	Klippon TB (Terminal Box), flange plate, straight, Height: 353 mm,
GTIN (EAN)	4050118094053	Width: 167 mm, Depth: 6 mm, Gland plates: top, Bottom, Basic
Qty.	1 ST	material: Stainless steel 1.4404, electropolished, silver
Type	KTB GP 98XX20 CD S4 6MM	Version
Order No.	1256760000	Klippon TB (Terminal Box), flange plate, straight, Height: 450 mm,
GTIN (EAN)	4050118094060	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 987420 AB S4 PE	Version
Order No.	2024560000	Klippon TB (Terminal Box), flange plate, Height: 353 mm, Width: 167
GTIN (EAN)	4050118404357	mm, Depth: 3 mm, Gland plates: top, Bottom, Basic material: Stainless
Qty.	1 ST	steel 1.4404, electropolished, silver
Type	KTB GP 98XX20 CD S4 PE	Version
Order No.	2024590000	Klippon TB (Terminal Box), flange plate, straight, Height: 450 mm,
GTIN (EAN)	4050118404517	Width: 167 mm, Depth: 3 mm, Gland plates: left, right, Basic material:
Qty.	1 ST	Stainless steel 1.4404, electropolished, silver

KTB FS 987420 S4E3

Accessories

Stainless steel 1.4301

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.
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 987420 R	Version
Order No.	1281580000	Klippon TB (Terminal Box), Rain hood, Height: 55.9 mm, Width: 745
GTIN (EAN)	4050118072303	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 XX7420 S4E R	Version
Order No.	1314340000	Klippon TB (Terminal Box), Rain hood, Height: 55.9 mm, Width: 745
GTIN (EAN)	4050118117615	mm, Depth: 211.2 mm, Basic material: Stainless steel 1.4404 (316L),
Qty.	1 ST	electropolished, silver

Type label holder

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.
Nameplate holders
There are a variety of designed label holders available for prominent display as required and for additional nameplates as needed.

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Accessories

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	

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,	
Qty.	1 ST	rust-proof, untreated, silver	
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		

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Accessories

Earthing stud

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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 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,
Qty.	1 ST	untreated, silver
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

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.
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

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Accessories

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	

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 KTB9874 HOR	Version
Order No.	8000006730	Rail, TS 35, TS 35 x 7.5, Width: 666 mm, without slot, Steel,
GTIN (EAN)	4050118653038	galvanized, chromium-plated
Qty.	20 ST	
Type	TS35X7.5 ST KTB9874 VER	Version
Order No.	8000006719	Rail, TS 35, TS 35 x 7.5, Width: 912 mm, without slot, Steel,
GTIN (EAN)	4050118652970	galvanized, chromium-plated
Qty.	20 ST	

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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.	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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Terminal rails
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General ordering data

Type	TS35X15 ST KTB9874 HOR	Version
Order No.	8000073136	Rail, TS 35, TS 35 x 15, Width: 666 mm, without slot, Steel, galvanic
GTIN (EAN)	4064675340928	zinc plated and passivated
Qty.	20 ST	
Type	TS35X15 ST KTB9874 HOR-C	Version
Order No.	8000073137	Rail, TS 35, TS 35 x 15, Width: 666 mm, without slot, Steel, galvanic
GTIN (EAN)	4064675340935	zinc plated and passivated
Qty.	20 ST	
Type	TS35X15 ST KTB9874 VER	Version
Order No.	8000073138	Rail, TS 35, TS 35 x 15, Width: 912 mm, without slot, Steel, galvanic
GTIN (EAN)	4064675340942	zinc plated and passivated
Qty.	20 ST	
Type	TS35X15 ST KTB9874 VER-C	Version
Order No.	8000073139	Rail, TS 35, TS 35 x 15, Width: 912 mm, without slot, Steel, galvanic
GTIN (EAN)	4064675340959	zinc plated and passivated
Qty.	20 ST	

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Accessories

Installation material

Integrate, expand and customise - the perfect supplement to every application

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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		