KTB MH 987420 S4E2

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 MH enclosure range offers further improvements to a product line that is already successfully leading the market.

The Klippon® TB MH enclosure range has the following advantages:

- Available in 15 sizes and 3 standard depths
- Equipped with up to 4 gland plates
- The gasket is protected against compression
- Completely removable padlock tab
- Cover lock outside the sealed zone
- Improved temperature performance
- IP66/IP67 protection
- Completely removable lid – without a tool
- Earthing stud in the cover and base of the enclosure
- Welded mounting feet
- International approvals

General ordering data

Version	Klippon TB MH (Terminal Box - Multi Hinge), Empty enclosure, stainless steel enclosure, Height: 980 mm, Width: 740 mm, Depth: 200 mm, Gland plates: Bottom, top, Material: Stainless steel 1.4404 (316L), electropolished, silver
Order No.	1195620000
Type	KTB MH 987420 S4E2
GTIN (EAN)	4032248978274
Qty.	1 ST

KTB MH 987420 S4E2

Technical data

Approvals

Approvals	

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

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	766 mm
Net weight	35000 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		

Creation date 03.07.2025 10:04:39 MEZ

KTB MH 987420 S4E2

Technical data

Cable glands, top/bottom

M20	42	M12	96
M63	6	M40	16
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. (CCOE)	P461058_1	Certificate no. Terminal Box (ATEX)	IBExU14ATEX1050
Certificate no. empty enclosure (ATEX)	IBExU14ATEX1028 U	Certificate no. Terminal Box (INMETRO)	LMP 21.0017
Certificate no. (INMETRO)	IEX13.0007	Certificate no. Terminal Box (IECEx)	IECEXIBE14.0013
Certificate no. empty enclosure (IECEx)	IECEx IBE 14.0004U	Certificate No. (IECEX)	IECEXKEM10.0015U
Certificate No. (ATEX)	IBEXU14ATEX1050	Approval conditions	ATEX, CCoE, DNV, IECEX, INMETRO, KC, NEPSI, CCC, UL AEx Class Div., UL AEx Class Zone, cULus
Certificate no. (cULus)	E243298		

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	4 hinges and M6 hex-head slotted screws SW10
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	Surface finish	electropolished
Impact resistance	7 J ATEX version, 10 J version standard	AF size	10 mm
Protection degree	IP66, IP67	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	12
Gland plates	Bottom, top	Dimension of box	925x1130x240
Access opening: width	681 mm	Opening angle lid	130.00 °

Creation date 03.07.2025 10:04:39 MEZ

KTB MH 987420 S4E2

Technical data

Overall dimensions	1002 x 791 x 215	Flange plate	Yes
Max. payload	290 kg	Lid	Yes
Access opening: height	927 mm	Position PE bolts	Enclosure side C
Areas of use	Explosive risk zone, Process industry, Oil and gas industry, Chemical industry, Offshore, Onshore		

Housing earth

Earth, enclosure, cover	Welded-on M6 stainless-steel earth stud in enclosure body and lid.	Earth, enclosure, external	Continuous M10 earth stud in body enclosure
Earth, enclosure, internal	Welded-on M6 stainless-steel earth stud in enclosure body and lid.		

horizontal assembly

WDU 10 / ZDU 10	6x63	WDU 16 / ZDU 16	5x51
WDU 2,5 / ZDU 2,5 / IDU 2,5	9x127	WDU 35 / ZDU 35	4x38
WDU 4 / ZDU 4	8x99	WDU 6 / ZDU 6	7x78

vertical assembly

WDU 10 / ZDU 10	4x85	WDU 16 / ZDU 16	4x72
WDU 2,5 / ZDU 2,5 / IDU 2,5	6x174	WDU 35 / ZDU 35	3x54
WDU 4 / ZDU 4	6x146	WDU 6 / ZDU 6	5x108

Classifications

ETIM 6.0	EC002503	ETIM 7.0	EC002503
ETIM 8.0	EC002503	ETIM 9.0	EC002503
ETIM 10.0	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	ECLASS 14.0	27-18-05-02
ECLASS 15.0	27-18-05-02		

KTB MH 987420 S4E2

Drawings

Dimensioned drawing
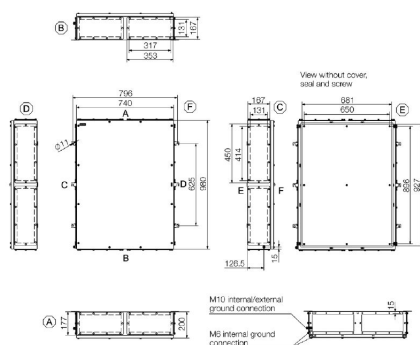
KTB MH 987420 S4E2

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, 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, 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:
GTIN (EAN)	4050118403763	926 mm, Width: 680 mm, Depth: 12 mm, 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, Material: Stainless steel 1.4301
Qty.	1 ST	(304), untreated, silver

Gland plates without earthing studs

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.
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, Material:
Qty.	1 ST	Stainless steel 1.4404, electropolished, silver

Creation date 03.07.2025 10:04:39 MEZ

KTB MH 987420 S4E2

Accessories

Gland plates made out of stainless steel - 6 mm

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.
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, Material:
Qty.	1 ST	Stainless steel 1.4404, electropolished, silver

Gland plates with earthing studs

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.
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, Material: Stainless steel
Qty.	1 ST	1.4404, electropolished, silver

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.

KTB MH 987420 S4E2

Accessories

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, Material: Stainless steel 1.4301, Mirror	
Qty.	1 ST	polished, 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.

General ordering data

Type	TPSDHA KTB 100X25 S2 2R	Version	
Order No.	1257640000	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 ST	1.4301, Mirror polished, silver	
Type	TPSDHA KTB 130X50 S2 R	Version	
Order No.	1283450000	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 ST	1.4301, 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, Material: Stainless steel 1.4301,	
Qty.	1 ST	Mirror polished, silver	

KTB MH 987420 S4E2

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, Material: Stainless steel, rust-
Qty.	1 ST	proof, untreated, silver
Type	TPSD FIXING SET KTB	Version
Order No.	1252190000	Klippon TB (Terminal Box), Type plate fixings set, Material: Stainless
GTIN (EAN)	4050118043969	steel, rust-proof, untreated, silver
Qty.	20 ST	

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 BR SET	Version
Order No.	1192680000	Klippon TB (Terminal Box), Earthing stud, Miscellaneous, Height: 21
GTIN (EAN)	4032248974641	mm, Width: 21 mm, Depth: 48.7 mm, Material: Brass, untreated,
Qty.	1 ST	silver

Creation date 03.07.2025 10:04:39 MEZ

KTB MH 987420 S4E2

Accessories

Type	PEBZ M10 KTB S4 SET	Version	
Order No.	1192690000	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 ST	1.4404, 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:	
GTIN (EAN)	4050118045512	110 mm, Width: 130 mm, Depth: 20 mm, Material: Stainless steel	
Qty.	1 ST	1.4301, Mirror polished, silver	
Type	DOHA KTB A5 S2 R	Version	
Order No.	1252750000	Klippon TB (Terminal Box), Document holders, Riveted, Height:	
GTIN (EAN)	4050118045390	150 mm, Width: 180 mm, Depth: 20 mm, Material: Stainless steel	
Qty.	1 ST	1.4301, Mirror polished, silver	
Type	DOHA KTB A4 S2 R	Version	
Order No.	1252730000	Klippon TB (Terminal Box), Document holders, Riveted, Height:	
GTIN (EAN)	4050118045383	200 mm, Width: 240 mm, Depth: 20 mm, Material: Stainless steel	
Qty.	1 ST	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.	2475490000	Klippon TB (Terminal Box), Grounding strap, Ssrewed, Material: Steel,	
GTIN (EAN)	4050118487206	Green/yellow	
Qty.	1 ST		

Creation date 03.07.2025 10:04:39 MEZ

KTB MH 987420 S4E2

Accessories

Stainless steel 1.4404 (316L)

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 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, Material: Stainless steel 1.4404 (316L),
Qty.	1 ST	electropolished, silver

Depth 7.5 mm

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.
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	

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.

Creation date 03.07.2025 10:04:39 MEZ

KTB MH 987420 S4E2

Accessories

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, Material: Steel, galvanized, galvanic zinc	
Qty.	1 ST	plated and passivated, silver	

Depth 15 mm

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.
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	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		

KTB MH 987420 S4E2

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