KTB MH 303020 S2E2

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: 306 mm, Width: 306 mm, Depth: 200 mm, Gland plates: Bottom, top, Material: Stainless steel 1.4301 (304), electropolished, silver
Order No.	1194770001
Type	KTB MH 303020 S2E2
GTIN (EAN)	4050118107548
Qty.	1 ST

KTB MH 303020 S2E2

Technical data

Approvals

Approvals	

CCC · CCOE · CE · cULus LISTED · DNV · ATEX - SIRA · IECEx · INMETRO · ATEX - KEMA · KOREANCERT · Ex NEPSI · ATEX - PTB · UKCA

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

Dimensions and weights

Depth	200 mm	Depth (inches)	7.874 inch
Height	306 mm	Height (inches)	12.0472 inch
Width	306 mm	Width (inches)	12.0472 inch
Mounting dimension - height	203 mm	Mounting dimension - width	332 mm
Net weight	12707.79 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	2	M75	1
M12	33	M50	2
M16	22	M32	6
M25	12	M20	14
M40	5		

Cable glands, right

M25	12	M63	2
M75	1	M16	22
M40	5	M50	2
M32	6	M20	14
M12	33		

Creation date 02.07.2025 11:49:31 MEZ

Catalogue status / Drawings

KTB MH 303020 S2E2

Technical data

Cable glands, top/bottom

M20	17	M12	40
M63	2	M40	6
M32	8	M25	14
M50	3	M75	2
M16	26		

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. empty enclosure (INMETRO)	LMP 21.0016U	Certificate No. (DNV)	TAE000013S
Certificate No. (CCOE)	P461058_1	Certificate no. Terminal Box (INMETRO)	LMP 21.0017
Certificate no. (INMETRO)	IEX17.0021	Certificate No. (IECEX)	IECEXPTB11.0071
Certificate No. (ATEX)	PTB11ATEX2019	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 1.4301 (304)
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	4
Gland plates	Bottom, top	Dimension of box	460x500x290
Access opening: width	247 mm	Opening angle lid	130.00 °
Overall dimensions	328 x 357 x 215	Flange plate	Yes
Max. payload	37 kg	Lid	Yes

Creation date 02.07.2025 11:49:31 MEZ

Data sheet

KTB MH 303020 S2E2

Technical data

Access opening: height	253 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, internal	Welded-on M6 stainless-steel earth stud in enclosure body and lid.		

horizontal assembly

WDU 10 / ZDU 10	1x20	WDU 16 / ZDU 16	1x16
WDU 2,5 / ZDU 2,5 / IDU 2,5	2x40	WDU 35 / ZDU 35	1x12
WDU 4 / ZDU 4	2x33	WDU 6 / ZDU 6	2x25

vertical assembly

WDU 10 / ZDU 10	1x20	WDU 16 / ZDU 16	1x17
WDU 2,5 / ZDU 2,5 / IDU 2,5	2x41	WDU 35 / ZDU 35	1x12
WDU 4 / ZDU 4	2x34	WDU 6 / ZDU 6	2x25

Important note

Product information	Minimum order quantity (5 pieces)

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 303020 S2E2

Drawings

Dimensioned drawing
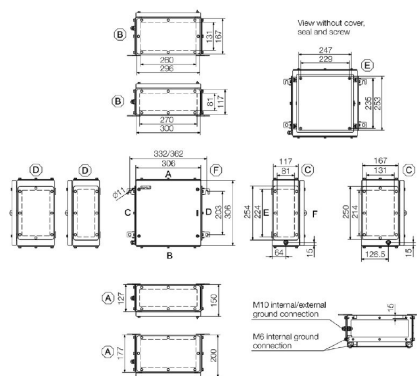
KTB MH 303020 S2E2

Accessories

306 x 306mm

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 3030 MSZN	Version
Order No.	1193960000	Klippon TB (Terminal Box), Mounting plate, Height: 251 mm, Width:
GTIN (EAN)	4050118028560	245 mm, Depth: 1.5 mm, Material: Sheet steel, galvanized, silver
Qty.	1 ST	
Type	KTB MOPL 3030 S2N	Version
Order No.	1193830000	Klippon TB (Terminal Box), Mounting plate, Height: 251 mm, Width:
GTIN (EAN)	4050118028430	245 mm, Depth: 1.5 mm, Material: Stainless steel 1.4301 (304),
Qty.	1 ST	untreated, silver
Type	KTB MOPL 3030 MSZN H	Version
Order No.	2022190000	Klippon TB (Terminal Box), Mounting plate, prepunched, Height:
GTIN (EAN)	4050118403466	251 mm, Width: 245 mm, Depth: 1.5 mm, Material: Sheet steel,
Qty.	1 ST	galvanized, silver
Type	KTB MOPL 3030 S2N H	Version
Order No.	1257670000	Klippon TB (Terminal Box), Mounting plate, prepunched, Height:
GTIN (EAN)	4050118049312	251 mm, Width: 245 mm, Depth: 1.5 mm, Material: Stainless steel
Qty.	1 ST	1.4301 (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 303020 AB S4	Version
Order No.	1280970000	Klippon TB (Terminal Box), flange plate, straight, Height: 296 mm,
GTIN (EAN)	4050118071658	Width: 167 mm, Depth: 3 mm, Gland plates: top, Bottom, Material:
Qty.	1 ST	Stainless steel 1.4404, electropolished, silver

KTB MH 303020 S2E2

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 303020 AB S4 6MM	Version
Order No.	1256360000	Klippon TB (Terminal Box), flange plate, straight, Height: 296 mm,
GTIN (EAN)	4050118093773	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.
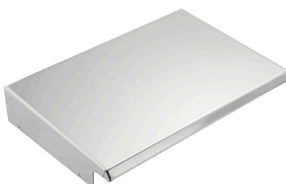Flange plates
Flange plates in two thicknesses, for easy replacement of pre-assembl

General ordering data

Type	KTB GP 303020 AB S4 PE	Version
Order No.	2023140000	Klippon TB (Terminal Box), flange plate, straight, Height: 296 mm,
GTIN (EAN)	4050118403770	Width: 167 mm, Depth: 3 mm, Gland plates: top, Bottom, Material:
Qty.	1 ST	Stainless steel 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.

Creation date 02.07.2025 11:49:31 MEZ

KTB MH 303020 S2E2

Accessories

General ordering data

Type	KTB RNHD 303020 R	Version	
Order No.	1281400000	Klippon TB (Terminal Box), Rain hood, Height: 55.9 mm, Width: 311	
GTIN (EAN)	4050118072082	mm, Depth: 221.2 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 303020 S2E2

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 02.07.2025 11:49:31 MEZ

KTB MH 303020 S2E2

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	

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		

KTB MH 303020 S2E2

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 XX3020V S4E R	Version
Order No.	1314130000	Klippon TB (Terminal Box), Rain hood, Height: 55.9 mm, Width: 311
GTIN (EAN)	4050118117240	mm, Depth: 221.2 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 KTB3030 HOR	Version
Order No.	8000006722	Rail, TS 35, TS 35 x 7.5, Width: 245 mm, without slot, Steel,
GTIN (EAN)	4050118652901	galvanized, chromium-plated
Qty.	20 ST	
Type	TS35X7.5 ST KTB3030 VER	Version
Order No.	8000006710	Rail, TS 35, TS 35 x 7.5, Width: 251 mm, without slot, Steel,
GTIN (EAN)	4050118652833	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 02.07.2025 11:49:31 MEZ

KTB MH 303020 S2E2

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 KTB3030 HOR	Version
Order No.	8000073111	Rail, TS 35, TS 35 x 15, Width: 245 mm, without slot, Steel, galvanic
GTIN (EAN)	4064675340614	zinc plated and passivated
Qty.	20 ST	
Type	TS35X15 ST KTB3030 VER	Version
Order No.	8000073112	Rail, TS 35, TS 35 x 15, Width: 251 mm, without slot, Steel, galvanic
GTIN (EAN)	4064675340645	zinc plated and passivated
Qty.	20 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.

Creation date 02.07.2025 11:49:31 MEZ

KTB MH 303020 S2E2

Accessories

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	

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Weidmuller](#):

[1194770001](#)