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KTB MH 624520 S2N2

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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 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: 620 mm, Width: 450 mm, Depth: 200 mm, Gland plates: Bottom, top, Material: Stainless steel 1.4301 (304), untreated, silver
Order No.	1195370003
Type	KTB MH 624520 S2N2
GTIN (EAN)	4050118105728
Qty.	1 pc(s).

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KTB MH 624520 S2N2

Technical data

Dimensions and weights

Depth	200 mm	Depth (inches)	7.874 inch
Height	620 mm	Height (inches)	24.409 inch
Width	450 mm	Width (inches)	17.716 inch
Mounting dimension - height	450 mm	Mounting dimension - width	476 mm
Net weight	21,620.428 g		

Temperatures

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

Cable glands, left

M12	80	M16	54
M20	36	M25	30
M32	17	M40	14
M50	6	M63	5
M75	4		

Cable glands, right

M12	80	M16	54
M20	36	M25	30
M32	17	M40	14
M50	6	M63	5
M75	4		

Cable glands, top/bottom

M12	63	M16	42
M20	27	M25	23
M32	12	M40	10
M50	4	M63	4
M75	3		

Certificate numbers enclosure

Approval conditions	ATEX, CCoE, DNV, IECEX, INMETRO, KC, NEPSI, CCC, UL AEx Class Div., UL AEx Class Zone, cULus	Attestation of Conformatiy No. (AoC)	DE PS261X 160309 001ISS06
Certificate No. (ATEX)	PTB11ATEX2019	Certificate No. (CCOE)	P461058_1
Certificate No. (DNV)	TAE000013S	Certificate No. (IECEX)	IECEXPTB11.0071
Certificate No. Electronic Box (NEPSI)	2020322303003289	Certificate No. UL 508A	E223801
Certificate No. UL Haz.Loc.	E223792	Certificate No. UL Ord.Loc.	E243298
Certificate No. UL Terminal Box	E223792	Certificate no. (INMETRO)	IEX17.0021
Certificate no. (cULus)	E243298	Certificate no. Terminal Box (INMETRO)	LMP 21.0017
Certificate no. empty enclosure (ECAS)	**21-09-25241/ E21-09-053807**	Certificate no. empty enclosure (IN-METRO)	LMP 21.0016U
Declaration of Conformatiy No. (DoC LVD)	DE PS261X 160412 001ISS03		

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KTB MH 624520 S2N2

Technical data

General information

AF size	10 mm	Access opening: height	567 mm
Access opening: width	391 mm	Areas of use	Explosive risk zone, Process industry, Oil and gas industry, Chemical industry, Offshore, Onshore
Dimension of box	630x770x290	Enclosure attachment	4 welded-on mounting feet with 11 mm holes (2 slotted feet and 2 cross-shaped feet)
Flange plate	Yes	Flange plate mounting	M6 hexagonal head screws 10 SW
Gland plates	Bottom, top	Impact resistance	7 J ATEX version, 10 J version standard
Integral fixing	4, 6 or 9 stud bolts M6 inner (female) thread	Lid	Yes
Lid attachment	4 hinges and M6 hex-head slotted screws SW10	Material	Stainless steel 1.4301 (304)
Material thickness of cover	1.5 mm	Material thickness of enclosure	1.5 mm
Material thickness of flange	3 mm	Max. payload	112 kg
Note: protection class	If used in temperature ranges above 105 °C, IP protection is limited to IP 66.	Number of lid screws	8
Opening angle lid	130 °	Operating temperature, max.	135 °C
Operating temperature, min.	-60 °C	Overall dimensions	642 x 501 x 215
Position PE bolts	Enclosure side C	Protection class (UL)	Type 3, Type 4X, Type 12
Protection degree	IP66, IP67	Seal material	Silicone
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	untreated
Torque for lid screws	2.5 Nm		

Housing earth

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

horizontal assembly

WDU 10 / ZDU 10	4x33	WDU 16 / ZDU 16	3x26
WDU 2,5 / ZDU 2,5 / IDU 2,5	5x65	WDU 35 / ZDU 35	2x20
WDU 4 / ZDU 4	5x54	WDU 6 / ZDU 6	4x41

vertical assembly

WDU 10 / ZDU 10	2x49	WDU 16 / ZDU 16	2x42
WDU 2,5 / ZDU 2,5 / IDU 2,5	3x101	WDU 35 / ZDU 35	1x31
WDU 4 / ZDU 4	3x83	WDU 6 / ZDU 6	3x62

KTB MH 624520 S2N2

Technical data

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		

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

Important note

Product information	Minimum order quantity (5 pieces)

KTB MH 624520 S2N2

Technical data

Approvals

Approvals	

Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319217/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319219/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319234/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319239/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319240/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319242/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319243/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319245/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319251/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319254/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/
ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E243298

KTB MH 624520 S2N2

Technical data

Downloads

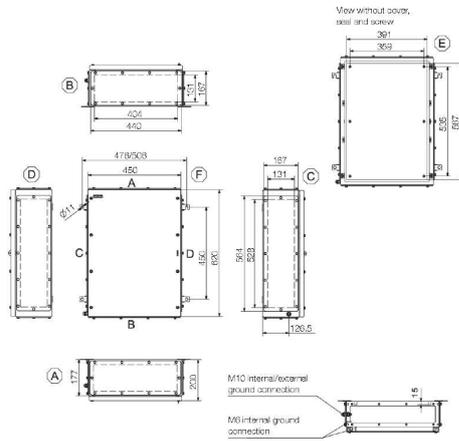|	
Approval/Certificate/Document of Conformity	CCC 2020322303002358 KTB Assembly Enclosure CCC 2020322303002357 KTB Empty Enclosure CERTIFICADO - LMP 21.0016U_INVÓLUCRO VAZIO KLIPPON TB FS... (KTB FS), TB MH... (KTB MH), TB QL... (KTB QL) (Rev.02) Attestation of Conformity - Klippon TB Empty Enclosures - AoC DE PS261X 160309 001ISS06 UKCA Attestation of Conformity - Klippon TB Empty Enclosures - AoC UKCA DE PS261X 220623 000ISS00 IBEXU14ATEX1028U IBEXU14ATEX1050 IECEXIBE14.0004U IECEXIBE14.0013 TAE000013S IECEXPTB11.0071 PTB11ATEX2019 16-AV4BO-245X P4610581_1 24-01-100099/E24-01-102546/NB10 CERTIFICADO LMP 21.0017 KLIPPON TB EU Declaration of Conformity - Klippon TB Empty Enclosures - DoC DE PS261X 160412 001ISS03 UKCA Declaration of Conformity - Klippon TB Empty Enclosures - UKCA DE PS261X 220623 001ISS00
User Documentation	Assembly guidelines - empty enclosures
Catalogues	Catalogues in PDF-format

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KTB MH 624520 S2N2

Drawings

Dimensioned drawing

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KTB MH 624520 S2N2

Accessories

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 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, Material: Stainless steel 1.4301,
Qty.	1 pc(s).	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, Material: Stainless steel 1.4301,
Qty.	1 pc(s).	Mirror polished, silver
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, Material: Stainless steel 1.4301,
Qty.	1 pc(s).	Mirror polished, silver

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, Material: Steel, galvanized, galvanic zinc
Qty.	1 pc(s).	plated and passivated, silver

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Accessories

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 XX4520 AB S4 PE	Version
Order No.	2023880000	Klippon TB (Terminal Box), flange plate, straight, Height: 440 mm,
GTIN (EAN)	4050118404074	Width: 167 mm, Depth: 3 mm, Gland plates: top, Bottom, Material:
Qty.	1 pc(s).	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.

General ordering data

Type	KTB RNHD 624520 R	Version
Order No.	1281520000	Klippon TB (Terminal Box), Rain hood, Height: 55.9 mm, Width: 455
GTIN (EAN)	4050118072211	mm, Depth: 211.2 mm, Material: Stainless steel 1.4301, Mirror
Qty.	1 pc(s).	polished, silver

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KTB MH 624520 S2N2

Accessories

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 XX4520 AB S4 3MM	Version
Order No.	1281210000	Klippon TB (Terminal Box), flange plate, straight, Height: 440 mm,
GTIN (EAN)	4050118071948	Width: 167 mm, Depth: 3 mm, Gland plates: top, Bottom, Material:
Qty.	1 pc(s).	Stainless steel 1.4404, electropolished, 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 pc(s).	

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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 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 pc(s).	1.4404, untreated, silver
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, silver
Qty.	1 pc(s).	

Depth 7.5 mm

General ordering data

Type	TS35X7.5 ST KTB6245 VER	Version
Order No.	8000006716	Rail, TS 35, TS 35 x 7.5, Width: 551 mm, without slot, Steel,
GTIN (EAN)	4050118652949	galvanized, chromium-plated
Qty.	20 pc(s).	
Type	TS35X7.5 ST KTB6245 HOR	Version
Order No.	8000006727	Rail, TS 35, TS 35 x 7.5, Width: 375 mm, without slot, Steel,
GTIN (EAN)	4050118653007	galvanized, chromium-plated
Qty.	20 pc(s).	

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KTB MH 624520 S2N2

Accessories

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 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 pc(s).	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 pc(s).	1.4301, Mirror polished, silver
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 pc(s).	1.4301, Mirror polished, silver

620 x 450mm

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 6245 MSZN	Version
Order No.	1194020000	Klippon TB (Terminal Box), Mounting plate, Height: 565 mm, Width:
GTIN (EAN)	4050118028126	389 mm, Depth: 12 mm, Material: Sheet steel, galvanized, silver
Qty.	1 pc(s).	
Type	KTB MOPL 6245 MSZN H	Version
Order No.	2022670000	Klippon TB (Terminal Box), Mounting plate, prepunched, Height:
GTIN (EAN)	4050118403565	565 mm, Width: 389 mm, Depth: 12 mm, Material: Sheet steel,
Qty.	1 pc(s).	galvanized, silver
Type	KTB MOPL 6245 S2N H	Version
Order No.	1257740000	Klippon TB (Terminal Box), Mounting plate, prepunched, Height: 565
GTIN (EAN)	4050118049329	mm, Width: 389 mm, Depth: 12 mm, Material: Stainless steel 1.4301
Qty.	1 pc(s).	(304), untreated, silver

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KTB MH 624520 S2N2

Accessories

Type	KTB MOPL 6245 S2N	Version
Order No.	1193890000	Klippon TB (Terminal Box), Mounting plate, Height: 565 mm, Width:
GTIN (EAN)	4050118028492	389 mm, Depth: 12 mm, Material: Stainless steel 1.4301 (304),
Qty.	1 pc(s).	untreated, silver

Depth 15 mm

General ordering data

Type	TS35X15 ST KTB6245 HOR-C	Version
Order No.	8000073126	Rail, TS 35, TS 35 x 15, Width: 375 mm, without slot, Steel, galvanic
GTIN (EAN)	4064675340812	zinc plated and passivated
Qty.	20 pc(s).	
Type	TS35X15 ST KTB6245 VER	Version
Order No.	8000073127	Rail, TS 35, TS 35 x 15, Width: 551 mm, without slot, Steel, galvanic
GTIN (EAN)	4064675340829	zinc plated and passivated
Qty.	20 pc(s).	
Type	TS35X15 ST KTB6245 HOR	Version
Order No.	8000073125	Rail, TS 35, TS 35 x 15, Width: 375 mm, without slot, Steel, galvanic
GTIN (EAN)	4064675340805	zinc plated and passivated
Qty.	20 pc(s).	

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 XX4520 AB S4 6MM	Version
Order No.	1256640000	Klippon TB (Terminal Box), flange plate, straight, Height: 440 mm,
GTIN (EAN)	4050118093964	Width: 167 mm, Depth: 6 mm, Gland plates: top, Bottom, Material:
Qty.	1 pc(s).	Stainless steel 1.4404, electropolished, silver

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KTB MH 624520 S2N2

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 XX4520 S4E R	Version
Order No.	1314280000	Klippon TB (Terminal Box), Rain hood, Height: 55.9 mm, Width: 455
GTIN (EAN)	4050118117554	mm, Depth: 211.2 mm, Material: Stainless steel 1.4404 (316L),
Qty.	1 pc(s).	electropolished, 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	FKSC M6X8 D9/SW3	Version
Order No.	0642600000	Klippon TB (Terminal Box), Mounting screw, Material: Steel
GTIN (EAN)	4008190058258	
Qty.	50 pc(s).	
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 pc(s).	proof, untreated, silver

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Accessories

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 pc(s).		

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