KTB MH 403015 S4E1

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
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Germany

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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: 400 mm, Width: 300 mm, Depth: 150 mm, Gland plates: Bottom, Material: Stainless steel 1.4404 (316L), electropolished, silver
Order No.	1194910000
Type	KTB MH 403015 S4E1
GTIN (EAN)	4032248977666
Qty.	1 pc(s).

KTB MH 403015 S4E1

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Technical data

Dimensions and weights

Depth	150 mm	Depth (inches)	5.905 inch
Height	400 mm	Height (inches)	15.748 inch
Width	300 mm	Width (inches)	11.811 inch
Mounting dimension - height	247 mm	Mounting dimension - width	326 mm
Net weight	7,200 g		

Temperatures

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

Cable glands, left

M12	29	M16	16
M20	13	M25	6
M32	5	M40	4
M50	3	M63	0
M75	0		

Cable glands, right

M12	29	M16	16
M20	13	M25	6
M32	5	M40	4
M50	3	M63	0
M75	0		

Cable glands, top/bottom

M12	23	M16	13
M20	11	M25	5
M32	4	M40	3
M50	3	M63	0
M75	0		

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 001ISS03
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)	IEX13.0006U
Certificate no. (cULus)	E243298	Certificate no. Terminal Box (AEx)	E223792
Certificate no. Terminal Box (ATEX)	IBExU14ATEX1050	Certificate no. Terminal Box (IECEx)	IECEXIBE14.0013
Certificate no. Terminal Box (INMETRO)	LMP 21.0017	Certificate no. Terminal Box (KOSHA)	16-AV4BO-0245X
Certificate no. empty enclosure (ATEX)	IBExU14ATEX1028 U	Certificate no. empty enclosure (ECAS)	**21-09-25241/ E21-09-053807**
Certificate no. empty enclosure (IECEx)	IECEx IBE 14.0004U	Certificate no. empty enclosure (INMETRO)	LMP 21.0016U
Declaration of Conformatiy No. (DoC LVD)	DE PS261X 160412 001ISS02		

Creation date March 29, 2024 11:52:28 AM CET

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Technical data

General information

AF size	10 mm	Access opening: height	347 mm
Access opening: width	241 mm	Areas of use	Explosive risk zone, Process industry, Oil and gas industry, Chemical industry, Offshore, Onshore
Dimension of box	490x550x240	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	Impact resistance	7 J ATEX version, 10 J version standard
Integral fixing	4, 6 or 9 stud bolts M6 inner (female) thread	Lid attachment	4 hinges and M6 hex-head slotted screws SW10
Material	Stainless steel 1.4404 (316L)	Material thickness of cover	1.5 mm
Material thickness of enclosure	1.5 mm	Material thickness of flange	3 mm
Max. payload	48 kg	Note: protection class	If used in temperature ranges above 105 °C, IP protection is limited to IP 66.
Number of lid screws	4	Opening angle lid	130 °
Operating temperature, max.	135 °C	Operating temperature, min.	-60 °C
Overall dimensions	411 x 351 x 165	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	electropolished	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	2x19	WDU 16 / ZDU 16	2x16
WDU 2,5 / ZDU 2,5 / IDU 2,5	3x39	WDU 35 / ZDU 35	1x11
WDU 4 / ZDU 4	3x32	WDU 6 / ZDU 6	2x24

vertical assembly

WDU 10 / ZDU 10	1x30	WDU 16 / ZDU 16	1x24
WDU 2,5 / ZDU 2,5 / IDU 2,5	2x59	WDU 35 / ZDU 35	1x18
WDU 4 / ZDU 4	2x49	WDU 6 / ZDU 6	1x37

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Technical data

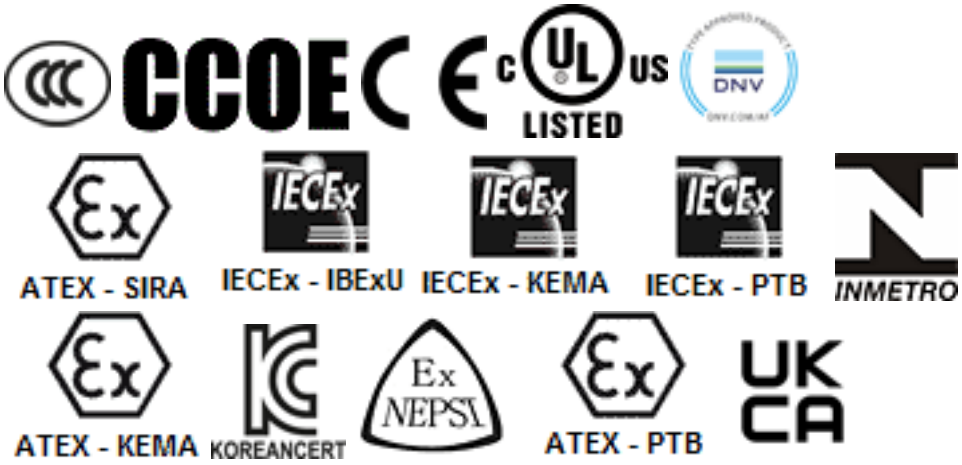
Classifications

ETIM 6.0	EC002503	ETIM 7.0	EC002503
ETIM 8.0	EC002503	ETIM 9.0	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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	8d5fcdfe-c58e-44e1-a6b4-74d2bbccc9dd

Approvals

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

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Technical data

Downloads

Approval/Certificate/Document of Conformity	CCC 2020322303002358 KTB Assembly Enclosure CCC 2020322303002357 KTB Empty Enclosure Attestation of Conformity - Klippon TB Empty Enclosures - AoC DE PS261X 160309 001ISS06 IBEXU14ATEX1028U IBEXU14ATEX1050 IECEXIBE14.0004U IECEXIBE14.0013 TAE000013S GYJ14.1310X IECEXPTB11.0071 PTB11ATEX2019 16-AV4BO-245X P4610581_1 24-01-100099/E24-01-102546/NB10 LMP 21.0017 - CAIXA DE JUNÇÃO KLIPPON TB - KTB MH QL FS CERTIFICADO - LMP 21.0016U KLIPPON TB CERTIFICADO LMP 21.0017 KLIPPON TB EU Declaration of Conformity - Klippon TB Empty Enclosures - DoC DE PS261X 160412 001ISS03 DoM Railway applications - Fire protection on railway vehicles
Engineering Data	CAD data – STEP
Tender specification	Klippon TB MH 403015 S4E1_1194910000_DE Klippon TB MH 403015 S4E1_1194910000_EN Klippon TB MH 403015 S4E1_1194910000_NL
User Documentation	Assembly guidelines - empty enclosures
Catalogues	Catalogues in PDF-format
Brochures	MB OVERV. PROCESS WD DE MB KLIPPON ENCL.TECN EN MB PROCESS EN FL WIND 2012 EN FL APPL PROCESS EN FL SHIPBUILDING 2016 EN FL RAILWAY 2014 EN PI KLIPPON TB MH QL EN PI KLIPPON TB MH QL EN

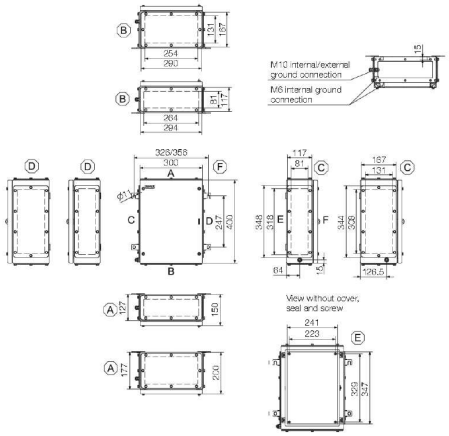
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Drawings

Dimensioned drawing



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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 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

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	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.	1 pc(s).	

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

KTB MH 403015 S4E1

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Accessories

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

Gland plates without earthing studs



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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.
Flange plates
Flange plates in two thicknesses, for easy replacement of pre-assembl

General ordering data

Type	KTB GP 403015 AB S4	Version
Order No.	1281030000	Klippon TB (Terminal Box), flange plate, straight, Height: 294 mm,
GTIN (EAN)	4050118072013	Width: 117 mm, Depth: 3 mm, Gland plates: top, Bottom, Material:
Qty.	1 pc(s).	Stainless steel 1.4404, electropolished, 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

KTB MH 403015 S4E1

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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, Material: Steel,
GTIN (EAN)	4050118487206	Green/yellow
Qty.	1 pc(s).	

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 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
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

KTB MH 403015 S4E1

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Accessories

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: 21
GTIN (EAN)	4032248974641	mm, Width: 21 mm, Depth: 48.7 mm, Material: Brass, untreated, silver
Qty.	1 pc(s).	
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

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 403015 AB S4 6MM	Version
Order No.	1256430000	Klippon TB (Terminal Box), flange plate, straight, Height: 294 mm,
GTIN (EAN)	4050118093834	Width: 117 mm, Depth: 6 mm, Gland plates: top, Bottom, Material:
Qty.	1 pc(s).	Stainless steel 1.4404, electropolished, silver

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Accessories

Stainless steel 1.4301



Integrate, expand and customise: The ideal expansion for every application
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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 403015 R	Version
Order No.	1281430000	Klippon TB (Terminal Box), Rain hood, Height: 53.4 mm, Width: 305
GTIN (EAN)	4050118071962	mm, Depth: 160.5 mm, Material: Stainless steel 1.4301, Mirror
Qty.	1 pc(s).	polished, silver

Depth 15 mm



General ordering data

Type	TS35X15 ST KTB4030 HOR	Version
Order No.	8000073115	Rail, TS 35, TS 35 x 15, Width: 239 mm, without slot, Steel, galvanic
GTIN (EAN)	4064675340683	zinc plated and passivated
Qty.	20 pc(s).	

Type	TS35X15 ST KTB4030 VER	Version
Order No.	8000073116	Rail, TS 35, TS 35 x 15, Width: 345 mm, without slot, Steel, galvanic
GTIN (EAN)	4064675340706	zinc plated and passivated
Qty.	20 pc(s).	

KTB MH 403015 S4E1

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Accessories

Depth 7.5 mm



General ordering data

Type	TS35X7.5 ST KTB4030 VER	Version
Order No.	8000006712	Rail, TS 35, TS 35 x 7.5, Width: 345 mm, without slot, Steel,
GTIN (EAN)	4050118652857	galvanized, chromium-plated
Qty.	20 pc(s).	
Type	TS35X7.5 ST KTB4030 HOR	Version
Order No.	8000006723	Rail, TS 35, TS 35 x 7.5, Width: 239 mm, without slot, Steel,
GTIN (EAN)	4050118652918	galvanized, chromium-plated
Qty.	20 pc(s).	

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 403015 AB S4 PE	Version
Order No.	2023320000	Klippon TB (Terminal Box), flange plate, straight, Height: 294 mm,
GTIN (EAN)	4050118403879	Width: 117 mm, Depth: 3 mm, Gland plates: top, Bottom, Material:
Qty.	1 pc(s).	Stainless steel 1.4404, electropolished, silver

KTB MH 403015 S4E1

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Accessories

400 x 300mm



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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 4030 S2N	Version
Order No.	1193850000	Klippon TB (Terminal Box), Mounting plate, Height: 345 mm, Width:
GTIN (EAN)	4050118028454	239 mm, Depth: 1.5 mm, Material: Stainless steel 1.4301 (304),
Qty.	1 pc(s).	untreated, silver
Type	KTB MOPL 4030 MSZN	Version
Order No.	1193980000	Klippon TB (Terminal Box), Mounting plate, Height: 345 mm, Width:
GTIN (EAN)	4050118028584	239 mm, Depth: 1.5 mm, Material: Sheet steel, galvanized, silver
Qty.	1 pc(s).	
Type	KTB MOPL 4030 MSZN H	Version
Order No.	2022420000	Klippon TB (Terminal Box), Mounting plate, prepunched, Height:
GTIN (EAN)	4050118403268	345 mm, Width: 239 mm, Depth: 1.5 mm, Material: Sheet steel,
Qty.	1 pc(s).	galvanized, silver
Type	KTB MOPL 4030 S2N H	Version
Order No.	1257690000	Klippon TB (Terminal Box), Mounting plate, prepunched, Height: 345
GTIN (EAN)	4050118049350	mm, Width: 239 mm, Depth: 1.5 mm, Material: Stainless steel 1.4301
Qty.	1 pc(s).	(304), untreated, 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 403015 S4E R	Version
Order No.	1314170000	Klippon TB (Terminal Box), Rain hood, Height: 53.4 mm, Width: 305
GTIN (EAN)	4050118117479	mm, Depth: 160.5 mm, Material: Stainless steel 1.4404 (316L),
Qty.	1 pc(s).	electropolished, silver