

KTB MH 484820 S4E0

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

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 22 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: 480 mm, Width: 480 mm, Depth: 200 mm, Basic material: Stainless steel 1.4404 (316L), electropolished, silver
Order No.	1195150000
Type	KTB MH 484820 S4E0
GTIN (EAN)	4032248977895
Qty.	1 items

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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	480 mm	Height (inches)	18.8976 inch
Width	480 mm	Width (inches)	18.8976 inch
Mounting dimension - height	327 mm	Mounting dimension - width	506 mm
Net weight	13000 g		

Temperatures

Operating temperature	-60 °C...135 °C	Note: room temperature (service)	Limited to IP66 protection when used in temperatures greater than 105 °C.
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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	4	M75	3
M12	60	M50	4
M16	40	M32	12
M25	21	M20	26
M40	10		

Cable glands, right

M25	21	M63	4
M75	3	M16	40
M40	10	M50	4
M32	12	M20	26
M12	60		

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Cable glands, top/bottom

M20	29	M12	65
M63	4	M40	11
M32	13	M25	24
M50	5	M75	3
M16	44		

Certificate numbers enclosure

Certificate No. UL Haz.Loc.	E223792	Declaration of Conformity No. (DoC LVD)	DE PS261X 160412 001ISS03
Certificate No. UL Ord.Loc.	E243298	Certificate No. UL 508A	E223801
Attestation of Conformity 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)	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 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
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.
Seal material of flange plate	Silicone	Protection class (UL)	Type 3, Type 4X, Type 12
Number of lid screws	4	Dimension of box	640x680x290
Access opening: width	421 mm	Opening angle lid	130.00 °
Overall dimensions	480 x 531 x 215	Flange plate	No
Max. payload	92 kg	Lid	Yes
Access opening: height	427 mm	Position PE bolts	Enclosure side C
Areas of use	Explosive risk zone, Process industry, Oil and		

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Technical data

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	3x37	WDU 16 / ZDU 16	2x31
WDU 2,5 / ZDU 2,5 / IDU 2,5	4x74	WDU 35 / ZDU 35	2x23
WDU 4 / ZDU 4	3x62	WDU 6 / ZDU 6	3x46

vertical assembly

WDU 10 / ZDU 10	2x38	WDU 16 / ZDU 16	2x31
WDU 2,5 / ZDU 2,5 / IDU 2,5	4x75	WDU 35 / ZDU 35	1x23
WDU 4 / ZDU 4	3x62	WDU 6 / ZDU 6	3x47

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

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Dimensioned drawing



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Accessories

480 x 480mm



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 4848 MSZN	Version
Order No.	1194000000	Klippon TB (Terminal Box), Mounting plate, Height: 425 mm, Width: 419 mm, Depth: 1.5 mm, Basic material: Sheet steel, galvanized,
GTIN (EAN)	4050118028607	
Qty.	1 ST	silver
Type	KTB MOPL 4848 S2N	Version
Order No.	1193870000	Klippon TB (Terminal Box), Mounting plate, Height: 425 mm, Width: 419 mm, Depth: 1.5 mm, Basic material: Stainless steel 1.4301 (304), untreated, silver
GTIN (EAN)	4050118028478	
Qty.	1 ST	
Type	KTB MOPL 4848 MSZN H	Version
Order No.	2022610000	Klippon TB (Terminal Box), Mounting plate, prepunched, Height: 425 mm, Width: 419 mm, Depth: 1.5 mm, Basic material: Sheet steel, galvanized, silver
GTIN (EAN)	4050118403374	
Qty.	1 ST	
Type	KTB MOPL 4848 S2N H	Version
Order No.	1257710000	Klippon TB (Terminal Box), Mounting plate, prepunched, Height: 425 mm, Width: 419 mm, Depth: 1.5 mm, Basic material: Stainless steel 1.4301 (304), untreated, silver
GTIN (EAN)	4050118049336	
Qty.	1 ST	

Stainless steel 1.4301



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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 484820 R	Version
Order No.	1281480000	Klippon TB (Terminal Box), Rain hood, Height: 55.9 mm, Width: 485 mm, Depth: 211.2 mm, Basic material: Stainless steel 1.4301, Mirror polished, silver
GTIN (EAN)	4050118072198	
Qty.	1 ST	

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Accessories

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 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.

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Accessories

General ordering data

Type	SD FIXING SET	Version
Order No.	1285200000	Klippon TB (Terminal Box), Identification plate fixing set, Height: 12 mm, Width: 12 mm, Depth: 16.4 mm, Basic material: Stainless steel, rust-proof, untreated, silver
GTIN (EAN)	4050118075472	
Qty.	1 ST	
Type	TPSD FIXING SET KTB	Version
Order No.	1252190000	Klippon TB (Terminal Box), Type plate fixings set, Basic material: Stainless steel, rust-proof, untreated, silver
GTIN (EAN)	4050118043969	
Qty.	20 ST	

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 mm, Width: 21 mm, Depth: 48.7 mm, Basic material: Brass, untreated, silver
GTIN (EAN)	4032248974641	
Qty.	1 ST	
Type	PEBZ M10 KTB S4 SET	Version
Order No.	1192690000	Klippon TB (Terminal Box), Earthing stud, Miscellaneous, Height: 21 mm, Width: 21 mm, Depth: 48.7 mm, Basic material: Stainless steel
GTIN (EAN)	4032248974658	
Qty.	1 ST	1.4404 (316L), untreated, silver

Document holders



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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 mm, Width: 130 mm, Depth: 20 mm, Basic material: Stainless steel
GTIN (EAN)	4050118045512	
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 mm, Width: 180 mm, Depth: 20 mm, Basic material: Stainless steel
GTIN (EAN)	4050118045390	
Qty.	1 ST	1.4301, Stainless steel 1.4301 (304), Mirror polished, silver

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Accessories

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

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	

Stainless steel 1.4404 (316L)



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General ordering data

Type	KTB RNHD XX4820 S4E R	Version
Order No.	1314230000	Klippon TB (Terminal Box), Rain hood, Height: 55.9 mm, Width: 485
GTIN (EAN)	4050118117349	mm, Depth: 211.2 mm, Basic material: Stainless steel 1.4404 (316L),
Qty.	1 ST	electropolished, silver

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Accessories

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 KTB4848 HOR	Version
Order No.	8000006725	Rail, TS 35, TS 35 x 7.5, Width: 419 mm, without slot, Steel, galvanized, chromium-plated
GTIN (EAN)	4050118652987	
Qty.	20 ST	

Type	TS35X7.5 ST KTB4848 VER	Version
Order No.	8000006714	Rail, TS 35, TS 35 x 7.5, Width: 425 mm, without slot, Steel, galvanized, chromium-plated
GTIN (EAN)	4050118652871	
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.

General ordering data

Type	GFSC M5X10 TX20 SET	Version
Order No.	1274150000	Klippon EB (Essential Box), Mounting screw, Height: 13.3 mm, Width: 8.5 mm, Depth: 8.5 mm, Basic material: Steel, galvanized, galvanic zinc plated and passivated, silver
GTIN (EAN)	4050118063820	
Qty.	1 ST	

Depth 15 mm



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Accessories

General ordering data

Type	TS35X15 ST KTB4848 HOR	Version	
Order No.	8000073119	Rail, TS 35, TS 35 x 15, Width: 419 mm, without slot, Steel, galvanic	
GTIN (EAN)	4064675340751	zinc plated and passivated	
Qty.	20 ST		
Type	TS35X15 ST KTB4848 VER	Version	
Order No.	8000073120	Rail, TS 35, TS 35 x 15, Width: 425 mm, without slot, Steel, galvanic	
GTIN (EAN)	4064675340768	zinc plated and passivated	
Qty.	20 ST		

Installation material



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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, Basic material: Steel	
GTIN (EAN)	4008190058258		
Qty.	50 ST		