

KTB MH 766220 S4E1**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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: 760 mm, Width: 620 mm, Depth: 200 mm, Gland plates: Bottom, Material: Stainless steel 1.4404 (316L), electropolished, silver
Order No.	8000108872
Type	KTB MH 766220 S4E1
GTIN (EAN)	4099986758216
Qty.	1 ST

KTB MH 766220 S4E1

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Approvals

Approvals



ROHS

Conform

Dimensions and weights

Depth	200 mm	Depth (inches)	7.874 inch
Height	760 mm	Height (inches)	29.9212 inch
Width	620 mm	Width (inches)	24.4094 inch
Net weight	25170 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	64dfc213-93f0-4c79-8ffa-c97fa9dcb873

Cable glands, left

M63	6	M75	0
M12	90	M50	8
M16	66	M32	12
M25	32	M20	36
M40	10		

Cable glands, right

M25	32	M63	6
M75	0	M16	66
M40	10	M50	8
M32	12	M20	36
M12	90		

Cable glands, top/bottom

M20	34	M12	84
M63	5	M40	9
M32	11	M25	28
M50	7	M75	0
M16	63		

KTB MH 766220 S4E1

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

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. empty enclosure (INMETRO)	LMP 21.0016U	Certificate no. Terminal Box (ATEX)	IBExU14ATEX1050
Certificate no. empty enclosure (ATEX)	IBExU14ATEX1028 U	Certificate no. Terminal Box (INMETRO)	LMP 21.0017
Certificate no. Terminal Box (IECEX)	IECEXIBE14.0013	Certificate no. empty enclosure (IECEX)	IECEX IBE 14.0004U
Approval conditions	ATEX, IECEX, INMETRO, cULus		

General information

Material thickness of cover	1.5 mm	Material thickness of flange	3 mm
Material thickness of enclosure	1.5 mm	Silicone	Yes
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	10 J version standard, 7 joules in acc. with IEC 60079-0
Protection degree	IP66, IP67	Material	Stainless steel 1.4404 (316L)
Seal material	Silicone	Torque for lid screws	2.5 Nm
Enclosure attachment	4 welded-on mounting feet with 11 mm holes (2 slotted feet and 2 cross-shaped feet)	Seal material of cover	Silicone
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	Gland plates	Bottom
Opening angle lid	130.00 °	Flange plate	Yes
Lid	Yes	Position PE bolts	Enclosure side C

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	5x49	WDU 16 / ZDU 16	4x42
WDU 2,5 / ZDU 2,5 / IDU 2,5	7x101	WDU 35 / ZDU 35	3x31
WDU 4 / ZDU 4	6x83	WDU 6 / ZDU 6	5x62

KTB MH 766220 S4E1
Weidmüller Interface GmbH & Co. KG

 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com
Technical data
vertical assembly

WDU 10 / ZDU 10	4x64	WDU 16 / ZDU 16	3x53
WDU 2,5 / ZDU 2,5 / IDU 2,5	5x128	WDU 35 / ZDU 35	2x40
WDU 4 / ZDU 4	5x107	WDU 6 / ZDU 6	4x80

Classifications

ETIM 6.0	EC000261	ETIM 7.0	EC000261
ETIM 8.0	EC000261	ETIM 9.0	EC000261
ETIM 10.0	EC000261	ECLASS 9.0	27-18-01-01
ECLASS 9.1	27-18-92-90	ECLASS 10.0	27-18-01-01
ECLASS 11.0	27-18-01-01	ECLASS 12.0	27-18-01-01
ECLASS 13.0	27-18-01-01	ECLASS 14.0	27-18-01-01
ECLASS 15.0	27-18-01-01		

KTB MH 766220 S4E1

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

www.weidmueller.com

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 XX6215 AB S4 3MM	Version
Order No.	8000112991	Klippon TB (Terminal Box), flange plate, straight, Height: 614 mm,
GTIN (EAN)	4099986799332	Width: 117 mm, Depth: 3 mm, Gland plates: Bottom, top, Material:
Qty.	1 ST	Stainless steel 1.4404 (316L), 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 XX6215 AB S4 PE	Version
Order No.	8000114895	Klippon TB (Terminal Box), flange plate, straight, Height: 614 mm,
GTIN (EAN)	4099986797345	Width: 117 mm, Depth: 3 mm, Gland plates: top, Bottom, Material:
Qty.	1 ST	Stainless steel 1.4404 (316L), electropolished, silver

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 XX6215 AB S4 6MM	Version
Order No.	8000114146	Klippon TB (Terminal Box), flange plate, straight, Height: 614 mm,
GTIN (EAN)	4099986804852	Width: 117 mm, Depth: 6 mm, Gland plates: top, Bottom, Material:
Qty.	1 ST	Stainless steel 1.4404 (316L), electropolished, silver

KTB MH 766220 S4E1

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Accessories

760 x 620mm



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 7662 MSZN	Version
Order No.	8000110201	Klippon TB (Terminal Box), Mounting plate, Height: 707 mm, Width:
GTIN (EAN)	4099986786073	559 mm, Depth: 12 mm, Material: Sheet steel, galvanized, silver
Qty.	1 ST	
Type	KTB MOPL 7662 MSZN H	Version
Order No.	8000115920	Klippon TB (Terminal Box), Mounting plate, Height: 702 mm, Width:
GTIN (EAN)	4099986783089	557.5 mm, Depth: 12 mm, Material: Sheet steel, galvanized, silver
Qty.	1 ST	
Type	KTB MOPL 7662 S2N H	Version
Order No.	8000115909	Klippon TB (Terminal Box), Mounting plate, Height: 707 mm, Width:
GTIN (EAN)	4099986782983	557.5 mm, Depth: 12 mm, Material: Stainless steel 1.4301 (304),
Qty.	1 ST	untreated, 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 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 766220 S4E1

Weidmüller Interface GmbH & Co. KG

 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

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

KTB MH 766220 S4E1

Weidmüller Interface GmbH & Co. KG

 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

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

TS 20



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	TS20/CX10 ST ZN 7662 HOR	Version
Order No.	8000117056	Klippon TB (Terminal Box), Enclosures, with slot, Height: 20 mm,
GTIN (EAN)	4099986829954	Width: 566 mm, Depth: 10 mm, Material: Steel, galvanized, silver
Qty.	20 ST	
Type	TS20/CX10 ST ZN 7662 VER	Version
Order No.	8000117043	Klippon TB (Terminal Box), Enclosures, Height: 20 mm, Width: 708
GTIN (EAN)	4099986829855	mm, Depth: 10 mm, Material: Steel, galvanized, silver
Qty.	20 ST	

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 KTB7662 HOR	Version
Order No.	8000116376	Klippon TB (Terminal Box), Enclosures, without slot, Height: 35 mm,
GTIN (EAN)	4099986820845	Width: 545 mm, Depth: 15 mm, Material: Steel, galvanic zinc plated
Qty.	20 ST	and passivated, silver
Type	TS35X15 ST KTB7662 VER	Version
Order No.	8000116358	Klippon TB (Terminal Box), Enclosures, without slot, Height: 35 mm,
GTIN (EAN)	4099986820746	Width: 691 mm, Depth: 15 mm, Material: Steel, galvanic zinc plated
Qty.	20 ST	and passivated, silver

KTB MH 766220 S4E1

Weidmüller Interface GmbH & Co. KG

 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Accessories

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 KTB7662 HOR	Version
Order No.	8000116116	Klippon TB (Terminal Box), Enclosures, without slot, Height: 35 mm,
GTIN (EAN)	4099986820647	Width: 545 mm, Depth: 7.5 mm, Material: Steel, galvanic zinc plated
Qty.	20 ST	and passivated, silver
Type	TS35X7.5 ST KTB7662 VER	Version
Order No.	8000116106	Klippon TB (Terminal Box), Enclosures, without slot, Height: 35 mm,
GTIN (EAN)	4099986820531	Width: 691 mm, Depth: 7.5 mm, Material: Steel, galvanic zinc plated
Qty.	20 ST	and passivated, 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 ST	plated and passivated, silver

KTB MH 766220 S4E1**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**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	