

Klippon® TB MH – Multi Hinge

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Steel enclosures

for use in industrial and in potentially explosive atmospheres

The Klippon® TB enclosure range features excellent performance characteristics, even under the most difficult environmental conditions, and also comply with the stricter requirements of potentially explosive atmospheres found 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.

Weidmüller manufactures and supplies the enclosures to match customer specifications – fully fitted with terminals, electronics and cable glands.

Features:

- Available in 25 sizes and 3 standard depths, with customer-specific sizes on request
- The gasket is protected against compression
- Completely removable padlock tab
- Cover lock outside the sealed zone
- Improved temperature performance
- IP66/IP67 protection
- Lid can be removed without a tool
- Welded mounting feet
- International approvals



Use our online catalogue for further information, technical details and a selection of accessories:
www.weidmueller.com/klippontb



You can find this product family in our Weidmüller Configurator:
www.weidmueller.com/wmc

Overview of enclosures

Ordering data

Description	Height x width x depth in mm	1 Gland Plate (below)	3 Gland plates (below + sides)
KTb MH 221513 S4E_*	229 x 152 x 133	1194560000	1194580000
KTb MH 262615 S4E_*	260 x 260 x 150	1194610000	1194630000
KTb MH 262620 S4E_*	260 x 260 x 200	1194660000	1194680000
KTb MH 302015 S4E_*	306 x 203 x 150	8000108832	8000108833
KTb MH 303015 S4E_*	306 x 306 x 150	1194710000	1194730000
KTb MH 303020 S4E_*	306 x 306 x 200	1194760000	1194780000
KTb MH 352615 S4E_*	350 x 260 x 150	1194810000	1194830000
KTb MH 352620 S4E_*	350 x 260 x 200	1194860000	1194880000
KTb MH 353520 S4E_*	350 x 350 x 200	8000108838	8000108839
KTb MH 355520 S4E_*	350 x 550 x 200	2698050000	-
KTb MH 403015 S4E_*	400 x 300 x 150	1194910000	1194930000
KTb MH 403020 S4E_*	400 x 300 x 200	1194960000	1194980000
KTb MH 404020 S4E_*	406 x 406 x 200	8000108844	8000108845
KTb MH 453815 S4E_*	458 x 382 x 150	1195010000	1195030000
KTb MH 453820 S4E_*	458 x 382 x 200	1195060000	1195080000
KTb MH 456220 S4E_*	450 x 620 x 200	2698070000	-
KTb MH 484815 S4E_*	480 x 480 x 150	1195110000	1195130000
KTb MH 484820 S4E_*	480 x 480 x 200	1195160000	1195180000
KTb MH 504020 S4E_*	508 x 406 x 200	8000108850	8000108851
KTb MH 507620 S4E_*	508 x 762 x 200	2698090000	-
KTb MH 553515 S4E_*	550 x 350 x 150	1195210000	1195230000
KTb MH 553520 S4E_*	550 x 350 x 200	1195260000	1195280000
KTb MH 624515 S4E_*	620 x 450 x 150	1195310000	1195330000
KTb MH 624520 S4E_*	620 x 450 x 200	1195360000	1195380000
KTb MH 625020 S4E_*	620 x 508 x 200	8000108859	8000108860
KTb MH 626220 S4E_*	620 x 620 x 200	8000108865	8000108866
KTb MH 765015 S4E_*	762 x 508 x 150	1195410000	1195430000
KTb MH 765020 S4E_*	762 x 508 x 200	1195460000	1195480000
KTb MH 766215 S4E_*	760 x 620 x 150	8000108868	8000108869
KTb MH 916120 S4E_*	914 x 610 x 200	1195560000	1195580000
KTb MH 987420 S4E_*	980 x 740 x 200	1195610000	1195630000

Note

* Placeholder for the number of gland plates (1, 3). Other sizes and variants on request.

Technical Overview

Technical data

Enclosure material*	Stainless steel 1.4404 (316L) 1.5 mm
Surface finish	electropolished
IP protection class	IP66 / IP67 to DIN EN 60529
NEMA protection classes	3, 4x, 12
Gland plates	1 or 3 (fixed with M6 hexagon head screws with 10 mm heads)
Gland plate thickness	3 mm (other thickness are available on request)
Earthing inside	Enclosure base and lid: welded M6 stainless steel earth studs
Earthing outside	Continuous M10 brass earth stud (optionally with stainless-steel earth stud)
Installation mounting	4 or 9 mounting bolts with M6 threaded holes to attach the mounting plate or mounting rail
Enclosure attachment	4 or 6 welded mounting feet with 11-mm holes (2 slotted and 2 cross-shaped openings)
Lid opening	Lid can be fully removed without the use of tools, can be fitted on both sides, lid opening angle: 130°
Cover attachment	4 hinges and M6 hex-head screws (AF 10) with slot
Equipped for a padlock	Removable padlock fitting, for additional product security
Impact resistance	7 J to IEC 60079-0, IK 09 (10J) to DIN EN 50102
Gasket material	Silicone
Operating temperature range	-60 °C...+105 °C (IP66/IP67), -60 °C...+135 °C (IP66)
Torque – lid and gland plate screws	2.5 Nm
Note	* Painted enclosures are available on request.

Approvals for empty enclosures

ATEX certificate	IBExU14ATEX1028 U	cULus	E243298
ATEX marking	II 2G Ex eb IIC Gb II 2D Ex tb IIIC Db	DNV	TAE000013S
IECEX certificate	IECEX IBE 14.0004U	CCDE	P461058_1
IECEX marking	Ex eb IIC Gb Ex tb IIIC Db	INMETRO	LMP 21.0017
CCCEX certificate	2020322303002357	AEx	E223792
CCCEX marking	Ex e IIC Gb, Ex tD A21 IP66/67	Miscellaneous	EN 45545, DIN EN 15085-2/CL2
Note	The Klippon® TB enclosure range can be pre-fitted in our customer specific production department according to your wishes.		

Approvals for control and distribution box

ATEX certificate	IBExU14ATEX1050	KOSHA certificate	16-AV4B0-0245X
ATEX marking	⊕ II 2G Ex eb IIC/IIIB/IIA T6/T5/T4 Gb ⊕ II 1G Ex ia IIC/IIIB/IIA T6/T5/T4 Ga ⊕ II 2G Ex eb ia IIC/IIIB/IIA T6/T5/T4 Gb ⊕ II 2D Ex tb IIIC T80°C/T95°C/T135°C Db ⊕ II 1D Ex ia IIIC T80°C/T95°C/T135°C Da -60 °C ≤ Ta ≤ +40/+55/+90 °C	KOSHA marking	Ex eb IIC/IIIB/IIA T6/T5/T4 Gb Ex ia IIC/IIIB/IIA T6/T5/T4 Ga Ex eb ia IIC/IIIB/IIA T6/T5/T4 Gb Ex tb IIIC T80°C/T95°C/T135°C Db Ex ia IIIC T80°C/T95°C/T135°C Da 60 °C...+40/+55/+90 °C
CCCEX certificate	2020322303002358	IECEX certificate	IECEX IBE 14.0013
CCCEX marking	Ex e IIC/IIIB/IIA T6/T5/T4 Gb Ex ia IIC/IIIB/IIA T6/T5/T4 Ga Ex e ia IIC/IIIB/IIA T6/T5/T4 Gb	IECEX marking	Ex eb IIC/IIIB/IIA T6/T5/T4 Gb Ex ia IIC/IIIB/IIA T6/T5/T4 Ga Ex eb ia IIC/IIIB/IIA T6/T5/T4 Gb Ex tb IIIC T80°C/T95°C/T135°C Db Ex ia IIIC T80°C/T95°C/T135°C Da -60 °C...+40/+55/+90 °C
INMETRO certificate	IEEx 17.0021	AEx certificate	E223792
INMETRO marking	Ex eb IIC T6/T5/T4 Gb Ex ia IIC T6/T5/T4 Ga Ex eb ia IIC T6/T5/T4 Gb Ex tb IIIC 85°C/100°C/135°C Db IP66/IP67 Ex ia IIIC 85°C/100°C/135°C Da	AEx marking	Class I, Zone 1, AEx e IIC Gb T6..T4 Class I, Zone 2, AEx e IIC Gc T6..T4 Class I Div.2 Group A,B,C,D T6...T4 Class II Div.2 Group F,G Zone 21, AEx tb IIIC Db
Note	Labelling depends on the application layout. Limited to IP66 protection when used in temperatures greater than 105 °C. For details of power dissipation, please contact your Weidmüller representative. Additional approvals available on request.		