

Klippon® TB QL – Quarter Lock

Stainless steel enclosures for industrial areas and potentially explosive atmospheres

The potentially explosive atmospheres of process industry and power generation plants are subject to difficult environmental conditions and growing safety requirements. With their outstanding performance features, Klippon® TB enclosures are ideally suited to meet these challenges. The tried-and-tested and market-leading product range has now been improved in a number of ways.



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We manufacture and deliver the enclosures according to your individual requirements – fully assembled with terminal blocks, electronic components and cable glands.

Features:

- Available in 22 standard sizes with 3 standard depths
- Custom sizes available on request
- Equipped with up to four flange plates
- Gasket with compression protection
- Cover quick release with slot
- Improved temperature performance
- High IP66 protection class
- Integrated earth studs in the cover and lower section
- Welded mounting feet



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	1 Gland Plate (below)	3 Gland plates (below + sides)
KTb QL 221513 S4E_*	229 x 152 x 133	1199860000	1199880000
KTb QL 262615 S4E_*	260 x 260 x 150	1199910000	1199930000
KTb QL 262620 S4E_*	260 x 260 x 200	1199960000	1199980000
KTb QL 302015 S4E_*	306 x 203 x 150	8000109885	8000109886
KTb QL 303015 S4E_*	306 x 306 x 150	1200020000	1200040000
KTb QL 303020 S4E_*	306 x 306 x 200	1200070000	1200090000
KTb QL 352615 S4E_*	350 x 260 x 150	1200120000	1200140000
KTb QL 352620 S4E_*	350 x 260 x 200	1200170000	1200190000
KTb QL 353520 S4E_*	350 x 350 x 200	8000109891	8000109892
KTb QL 403015 S4E_*	400 x 300 x 150	1200230000	1200250000
KTb QL 403020 S4E_*	400 x 300 x 200	1200280000	1200310000
KTb QL 404020 S4E_*	406 x 406 x 200	8000109897	8000109898
KTb QL 453815 S4E_*	458 x 382 x 150	1200340000	1200360000
KTb QL 453820 S4E_*	458 x 382 x 200	1200390000	1200420000
KTb QL 484815 S4E_*	480 x 480 x 150	1200450000	1200470000
KTb QL 484820 S4E_*	480 x 480 x 200	1200510000	1200530000
KTb QL 504020 S4E_*	508 x 406 x 200	8000109903	8000109904
KTb QL 553515 S4E_*	550 x 350 x 150	1200560000	1200580000
KTb QL 553520 S4E_*	550 x 350 x 200	1200620000	1200640000
KTb QL 624515 S4E_*	620 x 450 x 150	1200670000	1200690000
KTb QL 624520 S4E_*	620 x 450 x 200	1200730000	1200750000
KTb QL 625020 S4E_*	620 x 508 x 200	8000109912	8000109913
KTb QL 626220 S4E_*	620 x 620 x 200	8000109918	8000109919
KTb QL 765015 S4E_*	762 x 508 x 150	1200780000	1200810000
KTb QL 765020 S4E_*	762 x 508 x 200	1200840000	1200860000
KTb QL 766215 S4E_*	760 x 620 x 150	8000109921	8000109922
KTb QL 916120 S4E_*	914 x 610 x 200	1200950000	1200970000
KTb QL 987420 S4E_*	980 x 740 x 200	1201010000	1201030000
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 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	Quarter-turn lock with slotted insert (other inserts available on request)
Impact resistance	7 J to IEC 60079-0, IK 09 (10J) to DIN EN 50102
Gasket material	Silicone
Operating temperature range	-60 °C...+135 °C
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	CCOE	P461058_1
IECEx marking	Ex eb IIC Gb Ex tb IIIC Db	INMETRO	LMP 21.0017
CCEx certificate	2020322303002357	AEx	E223792
CCEx 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	IECEx certificate	IECEx IBE 14.0013
ATEX marking	⊕ II 2G Ex eb IIC/IIB/IIA T6/T5/T4 Gb ⊕ II 1G Ex ia IIC/IIB/IIA T6/T5/T4 Ga ⊕ II 2G Ex eb ia IIC/IIB/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	IECEx marking	Ex eb IIC/IIB/IIA T6/T5/T4 Gb Ex ia IIC/IIB/IIA T6/T5/T4 Ga Ex eb ia IIC/IIB/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
CCEx certificate	2020322303002358	INMETRO certificate	IEEx 17.0021
CCEx marking	Ex e IIC/IIB/IIA T6/T5/T4 Gb Ex ia IIC/IIB/IIA T6/T5/T4 Ga Ex e ia IIC/IIB/IIA T6/T5/T4 Gb	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
KOSHA certificate	16-AV4B0-0245X	AEx certificate	E223792
KOSHA marking	Ex eb IIC/IIB/IIA T6/T5/T4 Gb Ex ia IIC/IIB/IIA T6/T5/T4 Ga Ex eb ia IIC/IIB/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	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. For information about power loss, please contact your Weidmüller contact person. Additional approvals available on request.		