

Klippon TB QL (Terminal Box - Quarter Lock) KTB QL 303020 S4E3

Weidmüller Interface GmbH & Co. KG
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Stainless steel enclosures for use in areas exposed to explosion hazards

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 new Klippon® TB QL enclosure range offers further improvements to a product line that is already successfully leading the market.

General ordering data

Type	KTB QL 303020 S4E3
Order No.	1200090000
Version	Klippon TB QL (Terminal Box - Quarter Lock), Empty enclosure, stainless steel enclosure, Height: 306 mm, Width: 306 mm, Depth: 200 mm, Gland plates: Bottom, left, right, Material: Stainless steel 1.4404 (316L), electropolished, Silver
GTIN (EAN)	4032248982837
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Width	306 mm	Width (inches)	12.047 inch
Height	306 mm	Height (inches)	12.047 inch
Depth	200 mm	Depth (inches)	7.874 inch
Mounting dimension - width	362 mm	Mounting dimension - height	203 mm
Net weight	8,964 g		

Cable glands, left

M12	33	M16	22
M20	14	M25	12
M32	6	M40	5
M50	2	M63	2
M75	1		

Cable glands, right

M12	33	M16	22
M20	14	M25	12
M32	6	M40	5
M50	2	M63	2
M75	1		

Cable glands, top/bottom

M12	40	M16	26
M20	17	M25	14
M32	8	M40	6
M50	3	M63	2
M75	2		

Certificate numbers enclosure

Certificate no. assembled enclosure (ATEX)	IBExU14ATEX1050	Certificate no. empty enclosure (ATEX)	IBExU14ATEX1028 U
Certificate no. assembled enclosure (IECEX)	IECEX IBE 14.0013	Certificate no. empty enclosure (IECEX)	IECEX IBE 14.0004U
Certificate no., assembled enclosure (EAC)	RU C-DE.ГБ08.B.01328	Certificate no., empty enclosure (EAC)	RU C-DE.ГБ08.B.00472
Certificate no. assembled enclosure (INMETRO)	IEx 17.0021	Certificate no. empty enclosure (INMETRO)	IEx 17.0020U
Certificate no. assembled enclosure (AEx)	E223792	Certificate no. empty enclosure (NEPSI)	GYJ14.1308U
Certificate no. assembled enclosure (NEPSI)	GYJ14.1309	Certificate no., assembled enclosure (KOSHA)	16-AV4BO-0245X
Certificate no. (cULus)	E243298		

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Technical data**General information**

AF size 1	10 mm	Access opening: height	253 mm
Access opening: width		Areas of use	Explosive risk zone, Process industry, Oil and gas industry, Chemical industry, Offshore, Onshore
	247 mm	Installation advice	Terminal rail / mounting plate
Gland plates	Bottom, left, right	Material thickness of cover	1.5 mm
Material thickness	1.5 mm	Max. payload	37 kg
Material thickness of flange	3 mm	Overall dimensions	317 x 387 x 210
Opening angle lid	130 °	Standards	EN 60079-0 : 2009, EN 60079-31 : 2009, EN 60079-7 : 2007, IEC 60079-0 : 2007, IEC 60079-31 : 2008, IEC 60079-7 : 2006, DIN EN 62208 - Empty enclosure standard
Position PE bolts		Seal material	Silicone
	Page C	Operating temperature, min.	-60 °C
Material	Stainless steel 1.4404 (316L)	Impact resistance	7 J ATEX version, 10 J version standard
Surface finish	electropolished	Note: protection class	If used in temperature ranges above 105 °C, IP protection is limited to IP 66.
Operating temperature, max.	135 °C	Lid attachment	Quarter-turn fastener with slotted insert
Protection degree	IP66		
Enclosure attachment	4 welded-on mounting feet with 11 mm holes (2 slotted feet and 2 cross- shaped feet)		
Integral fixing	4, 6 or 9 stud bolts M6 inner (female) thread		

Housing earth

Earth, enclosure, internal	Welded-on M6 stainless- steel earth stud in enclosure body and lid.
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horizontal assembly

WDU 10 / ZDU 10	1x22	WDU 16 / ZDU 16	1x18
WDU 2,5 / ZDU 2,5 / IDU 2,5	2x43	WDU 35 / ZDU 35	1x13
WDU 4 / ZDU 4	2x36	WDU 6 / ZDU 6	2x27

vertical assembly

WDU 10 / ZDU 10	1x22	WDU 16 / ZDU 16	1x19
WDU 2,5 / ZDU 2,5 / IDU 2,5	2x44	WDU 35 / ZDU 35	1x14
WDU 4 / ZDU 4	2x37	WDU 6 / ZDU 6	2x28

Classifications

ETIM 6.0	EC002503	eClass 6.2	27-14-91-07
eClass 7.1	27-14-91-07	eClass 8.1	27-14-91-07
eClass 9.0	27-14-44-30	eClass 9.1	27-18-05-02

Creation date September 25, 2018 9:22:34 AM CEST

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Technical data**Product information**

Product information	Minimum Order Quantity is applicable (20 pcs.)
Descriptive text technical data	*For enclosure versions with zero, one or two gland plates, the horizontal gap between the mounting feet is reduced by 30 mm. Assembly with terminal blocks provides for 10 mm clearance to the ends of the mounting rail. Recommended order: TS 35 mounting rail (screw terminal) WDU 2.5 1020000000 / (tension clamp terminal) ZDU 2.5 1608510000 / (tension clamp terminal) PDU 2.5 1896110000 TS 32 mounting rail (screw terminal) SAK 2.5 0279660000 TS 15 mounting rail (screw terminal) AKZ 2.5 0697160000
Instructions for accessories	* packing unit (PU) = 20 pcs., sufficient for 10 fixtures

Approvals

Approvals



ROHS	Conform
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Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity - Klippon TB Empty Enclosures - AoC DE PS261X 160309 001ISS01 EU Declaration of Conformity - Klippon TB Empty Enclosures - DoC DE PS261X 160412 001ISS01
Brochure/Catalogue	MB OVERV. PROCESS WD DE MB KLIPPON ENCL.TECN EN MB PROCESS EN CAT 5 ENCL 17/18 EN FL WIND 2012 EN FL APPL PROCESS EN FL SHIPBUILDING 2016 EN FL RAILWAY 2014 EN PI KLIPPON TB MH QL EN
Engineering Data	EPLAN, WSCAD
Tender specification	Klippon TB QL 303020 S4E3_1200090000_DE Klippon TB QL 303020 S4E3_1200090000_EN Klippon TB QL 303020 S4E3_1200090000_NL
User Documentation	MB KLIPPON ENCL.TECN DE Assembly guidelines - empty enclosures

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Drawings

