Data sheet

KTB MH 624020 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: 620 mm, Width: 406 mm, Depth: 200 mm, Gland plates: Bottom, Basic material: Stainless steel 1.4404 (316L), electropolished, silver
Order No.	8000108853
Type	KTB MH 624020 S4E1
GTIN (EAN)	4099986660595
Qty.	1 items

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Technical data

Approvals

Approvals	
ROHS	Conform

Dimensions and weights

Depth	200 mm	Depth (inches)	7.874 inch
Height	620 mm	Height (inches)	24.4094 inch
Width	406 mm	Width (inches)	15.9842 inch
Net weight	16050 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	5	M75	4
M12	125	M50	6
M16	68	M32	20
M25	39	M20	64
M40	16		

Cable glands, right

M25	39	M63	5
M75	4	M16	68
M40	16	M50	6
M32	20	M20	64
M12	125		

Cable glands, top/bottom

M20	44	M12	102
M63	3	M40	10
M32	14	M25	27
M50	4	M75	2
M16	65		

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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	Basic 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	Number of lid screws	4
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	4x30	WDU 16 / ZDU 16	3x24
WDU 2,5 / ZDU 2,5 / IDU 2,5	5x59	WDU 35 / ZDU 35	2x18
WDU 4 / ZDU 4	5x49	WDU 6 / ZDU 6	4x37

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vertical assembly

WDU 10 / ZDU 10	2x49	WDU 16 / ZDU 16	2x42
WDU 2,5 / ZDU 2,5 / IDU 2,5	3x101	WDU 35 / ZDU 35	1x31
WDU 4 / ZDU 4	3x83	WDU 6 / ZDU 6	3x62

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		