

KTB FS 403020 S4E3**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Similar to illustration**

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 in process or power generation industries. The Klippon® TB FS enclosure range offers further improvements to a product line that is already successfully leading the market.

The Klippon® TB FS enclosure range features the following advantages:

- Available in 12 sizes and 3 standard depths
- Equipped with up to 4 gland plates
- The gasket is protected against compression
- Cover lock outside the sealed zone
- Improved temperature performance
- IP66/IP67 protection
- Earthing stud in the cover and base of the enclosure
- Welded mounting feet

General ordering data

Version	Klippon TB FS (Terminal Box - Fixing Screw), Empty enclosure, stainless steel enclosure, Height: 400 mm, Width: 300 mm, Depth: 200 mm, Gland plates: Bottom, left, right, Material: Stainless steel 1.4404 (316L), electropolished, silver
Order No.	1196080000
Type	KTB FS 403020 S4E3
GTIN (EAN)	4032248978854
Qty.	1 pc(s).

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Technical data
Dimensions and weights

Depth	200 mm	Depth (inches)	7.874 inch
Height	400 mm	Height (inches)	15.748 inch
Width	300 mm	Width (inches)	11.811 inch
Mounting dimension - height	247 mm	Mounting dimension - width	356 mm
Net weight	11,216 g		

Temperatures

Operating temperature	Note: room temperature (service)	Limited to IP66 protection when used in temperatures greater than 105 °C.
-60 °C...135 °C		

Cable glands, left

M12	48	M16	32
M20	20	M25	17
M32	9	M40	7
M50	3	M63	3
M75	2		

Cable glands, right

M12	48	M16	32
M20	20	M25	17
M32	9	M40	7
M50	3	M63	3
M75	2		

Cable glands, top/bottom

M12	38	M16	26
M20	17	M25	14
M32	7	M40	6
M50	3	M63	2
M75	2		

Certificate numbers enclosure

Approval conditions	ATEX, CCoE, DNV, IECEx, INMETRO, KC, NEPSI, CCC, UL AEx Class Div., UL AEx Class Zone, cULus	Attestation of Conformatiy No. (AoC)	
Certificate No. (ATEX)	KEMA10ATEX0046U	Certificate No. (DNV)	TAE000013S
Certificate No. (IECEX)	IECEXKEM10.0017	Certificate No. Electronic Box (NEPSI)	2020322303003289
Certificate No. UL 508A	E223801	Certificate No. UL Haz.Loc.	E223792
Certificate No. UL Ord.Loc.	E243298	Certificate No. UL Terminal Box	E223792
Certificate no. (INMETRO)	IEX13.0006U	Certificate no. (cULus)	E256877
Certificate no. Terminal Box (AEx)	E223792	Certificate no. Terminal Box (ATEX)	IBExU14ATEX1050
Certificate no. Terminal Box (IECEX)	IECEXIBE14.0013	Certificate no. Terminal Box (INMETRO)	LMP 21.0017
Certificate no. Terminal Box (KOSHA)	16-AV4BO-0245X	Certificate no. empty enclosure (ATEX)	IBExU14ATEX1028 U
Certificate no. empty enclosure (ECAS)	21-09-25241/ E21-09-053807	Certificate no. empty enclosure (IECEX)	IECEX IBE 14.0004U
Certificate no. empty enclosure (INMETRO)	LMP 21.0016U	Declaration of Conformatiy No. (DoC LVD)	DE PS261X 160412 001ISS02

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General information

AF size	10 mm	Access opening: height	370 mm
Access opening: width		Areas of use	Explosive risk zone, Process industry, Oil and gas industry, Chemical industry, Offshore, Onshore
	270 mm		
Dimension of box		Enclosure attachment	4 welded-on mounting feet with 11 mm holes (2 slotted feet and 2 cross-shaped feet)
	490x550x290		
Flange plate		Flange plate mounting	M6 hexagonal head screws 10 SW
	Yes		
Gland plates		Impact resistance	7 J ATEX version, 10 J version standard
	Bottom, left, right		
Integral fixing		Lid attachment	M6 hex-head slotted screws SW10
	4, 6 or 9 stud bolts M6 inner (female) thread		
Material		Material thickness of cover	1.5 mm
	Stainless steel 1.4404 (316L)		
Material thickness of enclosure	1.5 mm	Material thickness of flange	3 mm
Max. payload		Note: protection class	If used in temperature ranges above 105 °C, IP protection is limited to IP 66.
	48 kg		
Number of lid screws	4	Operating temperature, max.	135 °C
Operating temperature, min.	-60 °C	Overall dimensions	411 x 381 x 208.5
Position PE bolts	Enclosure side C	Protection class (UL)	Type 3, Type 4X, Type 12
Protection degree	IP66, IP67	Seal material	Silicone
Standards	DIN EN 62208 - Empty enclosure standard, 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
Torque for lid screws	2.5 Nm		

Housing earth

Earth, enclosure, internal	Welded-on M6 stainless-steel earth stud in enclosure body and lid., Continuous M10 earth stud in body enclosure
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horizontal assembly

WDU 10 / ZDU 10	2x21	WDU 16 / ZDU 16	2x18
WDU 2,5 / ZDU 2,5 / IDU 2,5	3x42	WDU 35 / ZDU 35	1x13
WDU 4 / ZDU 4	3x35	WDU 6 / ZDU 6	2x26

vertical assembly

WDU 10 / ZDU 10	1x32	WDU 16 / ZDU 16	1x26
WDU 2,5 / ZDU 2,5 / IDU 2,5	2x62	WDU 35 / ZDU 35	1x20
WDU 4 / ZDU 4	2x52	WDU 6 / ZDU 6	1x39

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Classifications

ETIM 6.0	EC002503	ETIM 7.0	EC002503
ETIM 8.0	EC002503	ETIM 9.0	EC002503
ECLASS 9.0	27-18-05-02	ECLASS 9.1	27-18-05-02
ECLASS 10.0	27-18-05-02	ECLASS 11.0	27-18-05-02
ECLASS 12.0	27-18-05-02	ECLASS 13.0	27-18-05-02

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	8d5fcdfe-c58e-44e1-a6b4-74d2bbccc9dd
RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E256877

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Downloads

Approval/Certificate/Document of Conformity	CCC 2020322303002358 KTB Assembly Enclosure
	CCC 2020322303002357 KTB Empty Enclosure
	Attestation of Conformity - Klippon TB Empty Enclosures - AoC DE PS261X 160309 001ISS06
	IBEXU14ATEX1028U
	IBEXU14ATEX1050
	IECEXIBE14.0004U
	IECEXIBE14.0013
	TAE000013S
	GYJ14.1310X
	IECEXPTB11.0071
	PTB11ATEX2019
	16-AV4BO-245X
	P4610581_1
	24-01-100099/E24-01-102546/NB10
	LMP 21.0017 - CAIXA DE JUNÇÃO KLIPPON TB - KTB MH QL FS
	CERTIFICADO - LMP 21.0016U KLIPPON TB
	CERTIFICADO LMP 21.0017 KLIPPON TB
	EU Declaration of Conformity - Klippon TB Empty Enclosures - DoC DE PS261X 160412 001ISS03
Engineering Data	CAD data – STEP
Tender specification	Klippon TB FS 403020 S4E3_1196080000_DE
	Klippon TB FS 403020 S4E3_1196080000_EN
	Klippon TB FS 403020 S4E3_1196080000_NL
User Documentation	Assembly guidelines - empty enclosures
Catalogues	Catalogues in PDF-format
Brochures	MB OVERV. PROCESS WD DE
	MB KLIPPON ENCL.TECN EN
	MB PROCESS EN
	FL WIND 2012 EN
	FL APPL PROCESS EN
	FL SHIPBUILDING 2016 EN
	FL RAILWAY 2014 EN
	PI KLIPPON TB MH QL EN

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Drawings

Dimensioned drawing

