

KTB FS 453820 S4E0**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Abbildung ähnlich

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: 458 mm, Width: 382 mm, Depth: 200 mm, Material: Stainless steel 1.4404 (316L), electropolished, silver
Order No.	1196150000
Type	KTB FS 453820 S4E0
GTIN (EAN)	4032248978700
Qty.	1 pc(s).

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Technical data
Dimensions and weights

Depth	200 mm	Depth (inches)	7.874 inch
Height	458 mm	Height (inches)	18.031 inch
Mounting dimension - height	305 mm	Mounting dimension - width	408 mm
Net weight	10,609 g	Width	382 mm
Width (inches)	15.039 inch		

Temperatures

Note: room temperature (service)	Limited to IP66 protection when used in temperatures greater than 105 °C.
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Cable glands, left

M12	55	M16	38
M20	24	M25	21
M32	11	M40	9
M50	4	M63	3
M75	3		

Cable glands, right

M12	55	M16	38
M20	24	M25	21
M32	11	M40	9
M50	4	M63	3
M75	3		

Cable glands, top/bottom

M12	50	M16	34
M20	23	M25	18
M32	10	M40	8
M50	4	M63	3
M75	2		

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Technical data
Certificate numbers enclosure

Approval conditions	ATEX, CCoE, DNV, EAC, IECEx, INMETRO, KC, NEPSI, CCC, RMRS, UL AEx Class Div., UL AEx Class Zone, cULus	Attestation of Conformity No. (AoC)	
Certificate No. (ATEX)	KEMA10ATEX0048	Certificate No. (CCOE)	DE PS261X 160309 001ISS03
Certificate No. (DNVGL)	TAE000013S	Certificate No. (EAC)	RUC-DE.MIO62.B.04799
Certificate No. (IECEX)	IECEXKEM10.0015U	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)	IEX13.0007
Certificate no. (cULus)	E256877	Certificate no. Terminal Box (AEx)	E223792
Certificate no. Terminal Box (ATEX)		Certificate no. Terminal Box (EAC)	C-DE.HB07.B.00089/20 Ex Terminal Box; C-DE.A154.B.00251/19 Ind. Terminal Box
	IBExU14ATEX1050	Certificate no. Terminal Box (INMETRO)	IEX 17.0021
Certificate no. Terminal Box (IECEX)	IECEXIBE14.0013	Certificate no. Terminal Box (NEPSI)	GYJ14.1309
Certificate no. Terminal Box (KOSHA)	16-AV4BO-0245X	Certificate no. empty enclosure (IECEX)	IECEX IBE 14.0004U
Certificate no. empty enclosure (ATEX)	IBExU14ATEX1028 U	Certificate no. empty enclosure (NEPSI)	GYJ14.1308U
Certificate no. empty enclosure (INMETRO)	IEX 17.0020U	Declaration of Conformity No. (DoC LVD)	DE PS261X 160412 001ISS02
Certificate no., empty enclosure (EAC)	C-DE.HB07.B.00089/20		

General information

AF size	10 mm	Access opening: height	428 mm
Access opening: width		Areas of use	Explosive risk zone, Process industry, Oil and gas industry, Chemical industry, Offshore, Onshore
	352 mm	Enclosure attachment	4 welded-on mounting feet with 11 mm holes (2 slotted feet and 2 cross-shaped feet)
Dimension of box		Impact resistance	7 J ATEX version, 10 J version standard
	580x620x290	Lid	Yes
Flange plate	No	Material	Stainless steel 1.4404 (316L)
Integral fixing	4, 6 or 9 stud bolts M6 inner (female) thread	Material thickness of cover	1.5 mm
Lid attachment	M6 hex-head slotted screws SW10	Max. payload	70 kg
Material thickness	1.5 mm	Number of lid screws	4
Material thickness of flange	3 mm	Operating temperature, min.	-60 °C
Note: protection class	If used in temperature ranges above 105 °C, IP protection is limited to IP 66.	Position PE bolts	Enclosure side C
Operating temperature, max.	135 °C	Seal material	Silicone
Overall dimensions	458 x 433 x 208.5	Surface finish	electropolished
Protection degree	IP66, IP67		
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		
Torque for lid screws	2.5 Nm		

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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	2x29	WDU 16 / ZDU 16	2x24
WDU 2,5 / ZDU 2,5 / IDU 2,5	4x58	WDU 35 / ZDU 35	1x18
WDU 4 / ZDU 4	3x48	WDU 6 / ZDU 6	3x36

vertical assembly

WDU 10 / ZDU 10	2x37	WDU 16 / ZDU 16	2x31
WDU 2,5 / ZDU 2,5 / IDU 2,5	3x73	WDU 35 / ZDU 35	1x23
WDU 4 / ZDU 4	2x62	WDU 6 / ZDU 6	2x46

Classifications

ETIM 6.0	EC002503	ETIM 7.0	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

Important note

Product information	Minimum order quantity (10 pieces)
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Approvals

Approvals



UL File Number Search

E256877

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Technical data
Downloads

Approval/Certificate/Document of Conformity	C-DE.HB07.B.00089-Empty Enclosures and Ex. Terminal Box C-DE.AJ54.B.00251.19 Ind. Terminal Box CCC 2020322303002358 KTB Assembly Enclosure CCC 2020322303002357 KTB Empty Enclosure Attestation of Conformity - Klippon TB Empty Enclosures - AoC DE PS261X 160309 001ISS03 IEX17.0021 IEX17.0020U IBEXU14ATEX1028U IBEXU14ATEX1050 IECEXIBE14.0004U IECEXIBE14.0013 TAE000013S 15.40073.250 RUC-DE.MIO62.B.04799 GYJ14.1310X IECEXPTB11.0071 PTB11ATEX2019 16-AV4BO-245X P4610581_1 EU Declaration of Conformity - Klippon TB Empty Enclosures - DoC DE PS261X 160412 001ISS02
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD
Tender specification	Klippon TB FS 453820 S4E0_1196150000_DE Klippon TB FS 453820 S4E0_1196150000_EN Klippon TB FS 453820 S4E0_1196150000_NL
User Documentation	Assembly guidelines - empty enclosures

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Drawings

Dimensioned drawing

