

KTB FS 221513 S4E1**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: 229 mm, Width: 152 mm, Depth: 133 mm, Gland plates: Bottom, Material: Stainless steel 1.4404 (316L), electropolished, silver
Order No.	1195660000
Type	KTB FS 221513 S4E1
GTIN (EAN)	4032248978403
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	133 mm	Depth (inches)	5.236 inch
Height	229 mm	Height (inches)	9.016 inch
Mounting dimension - height	152 mm	Mounting dimension - width	178 mm
Net weight	3,754 g	Width	152 mm
Width (inches)	5.984 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	8	M16	6
M20	3	M25	2
M32	2	M40	2
M50	0	M63	0
M75	0		

Cable glands, right

M12	8	M16	6
M20	3	M25	2
M32	2	M40	2
M50	0	M63	0
M75	0		

Cable glands, top/bottom

M12	6	M16	5
M20	2	M25	2
M32	1	M40	1
M50	0	M63	0
M75	0		

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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)	DE PS261X 160309 001ISS03
Certificate No. (ATEX)	KEMA10ATEX0050	Certificate No. (CCOE)	CCOEP267536/2
Certificate No. (DNVGL)	TAE000013S	Certificate No. (EAC)	RUC-DE.MIO62.B.04799
Certificate No. (IECEx)	IECExKEM10.0013U	Certificate No. (MARITREG)	15.40074.250
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)	IBExU14ATEX1050
Certificate no. Terminal Box (EAC)	C-DE.HB07.B.00089/20 Ex Terminal Box; C-DE.A154.B.00251/19 Ind. Terminal Box	Certificate no. Terminal Box (IECEx)	IECExIBE14.0013
Certificate no. Terminal Box (INMETRO)	IEEx 17.0021	Certificate no. Terminal Box (KOSHA)	16-AV4BO-0245X
Certificate no. Terminal Box (NEPSI)	GYJ14.1309	Certificate no. empty enclosure (ATEX)	IBExU14ATEX1028 U
Certificate no. empty enclosure (IECEx)	IECEx IBE 14.0004U	Certificate no. empty enclosure (INMETRO)	IEEx 17.0020U
Certificate no. empty enclosure (NEPSI)	GYJ14.1308U	Certificate no., empty enclosure (EAC)	C-DE.HB07.B.00089/20
Declaration of Conformity No. (DoC LVD)	DE PS261X 160412 001ISS02		

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General information

AF size	10 mm	Access opening: height	199 mm
Access opening: width		Areas of use	Explosive risk zone, Process industry, Oil and gas industry, Chemical industry, Offshore, Onshore
Dimension of box	122 mm	Enclosure attachment	4 welded-on mounting feet with 11 mm holes (2 slotted feet and 2 cross-shaped feet)
Flange plate	350x390x220	Flange plate mounting	M6 hexagonal head screws 10 SW
Gland plates	Yes	Impact resistance	7 J ATEX version, 10 J version standard
Integral fixing	Bottom	Lid	Yes
Lid attachment	4, 6 or 9 stud bolts M6 inner (female) thread	Material	Stainless steel 1.4404 (316L)
Material thickness	M6 hex-head slotted screws SW10	Material thickness of cover	1.5 mm
Material thickness of flange	1.5 mm	Max. payload	14 kg
Note: protection class	3 mm	Number of lid screws	4
Operating temperature, max.	If used in temperature ranges above 105 °C, IP protection is limited to IP 66.	Operating temperature, min.	-60 °C
Overall dimensions	135 °C	Position PE bolts	Enclosure side C
Protection degree	240 x 203 x 141.5	Seal material	Silicone
Standards	IP66, IP67	Surface finish	electropolished
Torque for lid screws	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		
	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	1x7	WDU 16 / ZDU 16	1x6
WDU 2,5 / ZDU 2,5 / IDU 2,5	1x15	WDU 35 / ZDU 35	1x3
WDU 4 / ZDU 4	1x13	WDU 6 / ZDU 6	1x9

vertical assembly

WDU 10 / ZDU 10	1x13	WDU 16 / ZDU 16	1x11
WDU 2,5 / ZDU 2,5 / IDU 2,5	1x29	WDU 35 / ZDU 35	1x8
WDU 4 / ZDU 4	1x22	WDU 6 / ZDU 6	1x16

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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 (20 pieces)
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Approvals

Approvals



UL File Number Search	E256877
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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 IEC 17.0021 IEC 17.0020U IBEXU 14ATEX 1028U IBEXU 14ATEX 1050 IECExIBE 14.0004U IECExIBE 14.0013 TAE000013S 15.40073.250 RUC-DE.MIO62.B.04799 GYJ14.1310X IECExPTB 11.0071 PTB 11ATEX 2019 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 221513 S4E1_1195660000_DE Klippon TB FS 221513 S4E1_1195660000_EN Klippon TB FS 221513 S4E1_1195660000_NL
User Documentation	Assembly guidelines - empty enclosures

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Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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Drawings

Dimensioned drawing

