

## Klippon TB FS (Terminal Box - Fixing Screw) KTB FS 484815 S4E0

**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 in process or power generation industries.

The new Klippon® TB MH 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

Type	KTB FS 484815 S4E0
Order No.	<a href="#">1196200000</a>
Version	Klippon TB FS (Terminal Box - Fixing Screw), Empty enclosure, stainless steel enclosure, Height: 480 mm, Width: 480 mm, Depth: 150 mm, Material: Stainless steel 1.4404 (316L), electropolished, Silver
GTIN (EAN)	4032248979110
Qty.	1 pc(s).

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## Technical data

### Dimensions and weights

Width	480 mm	Width (inches)	18.898 inch
Height	480 mm	Height (inches)	18.898 inch
Depth	150 mm	Depth (inches)	5.905 inch
Mounting dimension - width	506 mm	Mounting dimension - height	327 mm
Net weight	9,000 g		

### Cable glands, left

M12	36	M16	20
M20	17	M25	7
M32	6	M40	5
M50	4	M63	0
M75	0		

### Cable glands, right

M12	36	M16	20
M20	17	M25	7
M32	6	M40	5
M50	4	M63	0
M75	0		

### Cable glands, top/bottom

M12	39	M16	22
M20	19	M25	8
M32	7	M40	6
M50	5	M63	0
M75	0		

### 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)	E256877	Certificate No. (CCOE)	CCOEP267536/2

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### General information

AF size 1	10 mm	Access opening: height	450 mm
Access opening: width		Areas of use	Explosive risk zone, Process industry, Oil and gas industry, Chemical industry, Offshore, Onshore
	450 mm	Material thickness	1.5 mm
Installation advice	Terminal rail / mounting plate	Material thickness of flange	3 mm
Material thickness of cover	1.5 mm	Overall dimensions	480 x 531 x 158.5
Max. payload	92 kg	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	For use in the temperature range over 105°C, the IP protection is limited to IP 66.
Operating temperature, max.	135 °C	Lid attachment	M6 hex-head slotted screws SW10
Protection degree	IP66, IP67, NEMA 3, NEMA 4x, NEMA 12		
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., Continuous M10 earth stud in body enclosure
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### horizontal assembly

WDU 10 / ZDU 10	3x39	WDU 16 / ZDU 16	2x32
WDU 2,5 / ZDU 2,5 / IDU 2,5	4x77	WDU 35 / ZDU 35	2x24
WDU 4 / ZDU 4	3x64	WDU 6 / ZDU 6	3x48

### vertical assembly

WDU 10 / ZDU 10	2x39	WDU 16 / ZDU 16	2x33
WDU 2,5 / ZDU 2,5 / IDU 2,5	4x78	WDU 35 / ZDU 35	1x25
WDU 4 / ZDU 4	3x65	WDU 6 / ZDU 6	3x49

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**Technical data****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

**Product information**

Descriptive text ordering data	Colour variations may possibly occur in the case of painted housings.
Descriptive text technical data	<p>*For the enclosure versions with no, one or two gland plates, the horizontal distance between the mounting feet is reduced by 30 mm.</p> <p>The assembly with modular terminals gives consideration to a distance of 10 mm from the end of each mounting rail.</p> <p>Order recommendations:          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</p>

**Approvals**

Approvals

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">Attestation of Conformity</a> <a href="#">EU Declaration of Conformity</a>
Brochure/Catalogue	<a href="#">MB OVERV. PROCESS WD DE</a> <a href="#">MB KLIPPON ENCL.TECN EN</a> <a href="#">MB PROCESS EN</a> <a href="#">FL WIND 2012 EN</a> <a href="#">FL APPL PROCESS EN</a> <a href="#">FL SHIPBUILDING 2016 EN</a> <a href="#">FL RAILWAY 2014 EN</a> <a href="#">PI KLIPPON TB MH QL EN</a>
Engineering Data	<a href="#">EPLAN_WSCAD</a>
User Documentation	<a href="#">MB KLIPPON ENCL.TECN DE</a> <a href="#">Assembly guidelines - empty enclosures</a>

**Data sheet**

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**Drawings**

**Dimensioned drawing**

