

**KLIPPON STB 2.1 SS****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Similar to illustration**

Ideally suited for the energy, process and transportation industries, the Klippon® STB enclosure series is the perfect complement to our existing Klippon® enclosure portfolio. Enclosures in this series are approved according to international standards such as e.g. EN62208 and EN60079-0/7 (ATEX).

- Mirror-polished or electropolished stainless steel 1.4404 (316L), 1.5 mm
- High-temperature-resistant seal as standard - extended temperature range of -60°C to +100°C for Ex application (+120°C only for industrial application)
- Approved according to ATEX, IECEx, cULus, Lloyds Register, Germanischer Lloyd, GL DNV and INMETRO
- Flexible options for fastening the internal mounting rail
- IP66 protection
- Secure, permanent function of the seal is ensured by seal compression protection
- Earthing stud in the cover and base of the enclosure
- Laser cut weld seams for increased quality
- Already welded-on mounting feet guarantee optimum enclosure installation

Weidmüller can manufacture and supply this enclosure - according to customer specifications - fitted with all necessary terminals and cable glands.

**General ordering data**

Version	Klippon STB (Small Terminal Box), Empty enclosure, stainless steel enclosure, Height: 190 mm, Width: 150 mm, Depth: 90 mm, Material: Stainless steel 1.4404 (316L), Mirror polished, silver
Order No.	<a href="#">1002730000</a>
Type	KLIPPON STB 2.1 SS
GTIN (EAN)	4032248695669
Qty.	1 pc(s).

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## Technical data

## Dimensions and weights

Depth	90 mm	Depth (inches)	3.543 inch
Height	190 mm	Height (inches)	7.48 inch
Width	150 mm	Width (inches)	5.905 inch
Mounting dimension - width	175 mm	Net weight	2,006 g

## Temperatures

Operating temperature	-60 °C...100 °C
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## Cable glands, left

M12	15	M16	10
M20	8	M25	3
M32	3	M40	2
M50	1		

## Cable glands, right

M12	18	M16	10
M20	10	M25	3
M32	3	M40	2
M50	1		

## Cable glands, top/bottom

M12	15	M16	10
M20	8	M25	3
M32	3	M40	2
M50	1		

## Certificate numbers enclosure

Approval conditions	ATEX, DNV, IECEx, IN-METRO, LR, RMRS, UL AEx Class Div., UL AEx Class Zone, cULus, KC, CCC	Attestation of Conformatiy No. (AoC)	DE PS2620 160308 001ISS02
Certificate No. (ATEX)	IBEXU07ATEX1148	Certificate No. (IECEX)	IECEXIBE09.0018U
Certificate No. (LLOYDSREG)	LR23307703TA	Certificate no. (INMETRO)	IEX13.0002U
Certificate no. (cULus)	E256877	Certificate no. Terminal Box (AEx)	E223792
Certificate no. Terminal Box (ATEX)	IBEXU07ATEX1148	Certificate no. Terminal Box (IECEX)	IECEX IBE 09.0019
Certificate no. Terminal Box (INMETRO)	LMP 21.0018	Certificate no. Terminal Box (KOSHA)	16-AV4BO-0247X
Certificate no. empty enclosure (ATEX)	IBEXU 07ATEX1147U	Certificate no. empty enclosure (IECEX)	IECEX IBE 09.0018U
Certificate no. empty enclosure (IN-METRO)	LMP 21.0015U	Declaration of Conformatiy No. (DoC LVD)	DE PS2620 160412 001ISS01

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## Technical data

### General information

Access opening: height	172 mm	Access opening: width	130 mm
Areas of use	Explosive risk zone, Packaging industry, Transportation, Process industry, Marine engineering	Enclosure attachment	Welded-on mounting foot with 8-mm holes
Flange plate	No	Impact resistance	10 J version standard, 7 J ATEX version
Integral fixing	TAS 20 rail welded to floor	Lid	Yes
Lid attachment	M5 hexagonal screw with slot and 10mm distance across flats	Material	Stainless steel 1.4404 (316L)
Material thickness of cover	1.5 mm	Material thickness of enclosure	1.5 mm
Number of lid screws	4	Operating temperature, max.	100 °C
Operating temperature, min.	-60 °C	Protection class (UL)	Type 4, Type 4X
Protection degree	IP66	Seal material	Silicone
Surface finish	Mirror polished	Torque for lid screws	2.5 Nm

### Housing earth

Cross-section , max.	25 mm <sup>2</sup>	Earth, enclosure, cover	Welded-on M6 x 10 stainless-steel earth stud
Earth, enclosure, external	Welded-on M6 x 16 stainless-steel bolts	Earth, enclosure, internal	Welded-on M6 x 16 stainless-steel bolts

### vertical assembly

WDU 10 / ZDU 10	1x15	WDU 16 / ZDU 16	1x13
WDU 2,5 / ZDU 2,5 / IDU 2,5	1x30	WDU 4 / ZDU 4	1x25
WDU 6 / ZDU 6	1x20		

### 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 /

### Important note

Product information The ambient temperature for the assembly will be reduced to +60°C and the surface temperature to +100°C.

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## Technical data

## Approvals

Approvals



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

## Downloads

Approval/Certificate/Document of Conformity	<a href="#">CCC 2020322303002356 STB Assembly Enclosure</a> <a href="#">UKCA TÜV 22 UKEX 7099 U</a> <a href="#">UKCA TÜV 22 UKEX 7100</a> <a href="#">Attestation of Conformity - Klippon STB Empty Enclosures - AoC DE PS2620 160308 001ISS04 08_20032</a> <a href="#">IBEXU07ATEX1148</a> <a href="#">IECEXIBE09.0018U</a> <a href="#">IECEXIBE09.0019</a> <a href="#">16-AV4BO-247X</a> <a href="#">59358-08</a> <a href="#">IBEXU07ATEX1147U</a> <a href="#">INMETRO Certificado LMP 21.0018 KLIPPON STB</a> <a href="#">CERTIFICADO LMP 21.0015U KLIPPON STB</a> <a href="#">EU Declaration of Conformity - Klippon STB Empty Enclosures Ex - DoC DE PS2620 160412 001ISS01</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Tender specification	<a href="#">Klippon STB 2.1 SS_1002730000_DE</a> <a href="#">Klippon STB 2.1 SS_1002730000_EN</a>
User Documentation	<a href="#">Assembly guidelines - empty enclosures</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	<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 KLIPPON STB EN</a> <a href="#">FL SHIPBUILDING 2016 EN</a> <a href="#">FL SHIPBUILDING 2016 EN</a>

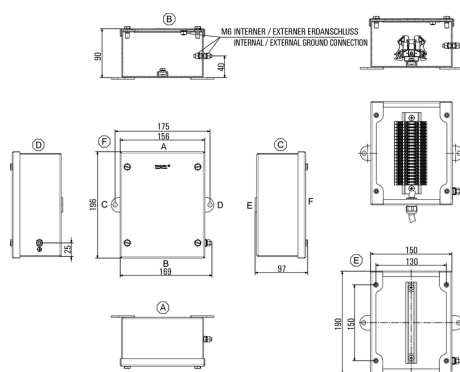
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## Drawings

### Dimensioned drawing



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## Accessories

## Installation material

**Integrate, expand and customise - the perfect supplement to every application**

The fully structured range of system accessories for the new Klippon® TB enclosure series allows you to easily adapt the enclosures to meet the specific requirements of every application.

**Mounting hardware kits**

Mounting hardware kits are available for quick and easy installation of type label holders, document holders and rain hoods.

The **label fastening set – SD** is required to install a plastic (Trafolyte) ID or type label. With the aid of this set can you mount the ID or type label directly on the enclosure cover. The label fastening set has been specially developed for this purpose. Only by using this fastening set can you ensure that there will be no leaks into the enclosure or damage to the label.

The **universal fastening set – TPSD** has been developed to enable secure and quick installation of type label holders, rain covers or document holders, for example. By using this fastening set, the risk of leaks can be minimised, if not avoided.

## General ordering data

Type	TPSD FIXING SET KTB	Version
Order No.	<a href="#">1252190000</a>	Klippon TB (Terminal Box), Type plate fixings set, Material: Stainless
GTIN (EAN)	4050118043969	steel, rust-proof, untreated, silver
Qty.	1 pc(s).	
Type	SD FIXING SET	Version
Order No.	<a href="#">1285200000</a>	Klippon TB (Terminal Box), Identification plate fixing set, Height: 12
GTIN (EAN)	4050118075472	mm, Width: 12 mm, Depth: 16.4 mm, Material: Stainless steel, rust-
Qty.	1 pc(s).	proof, untreated, silver

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## Accessories

### Grounding strap

The fully structured range of system accessories for the new Klippon® TB enclosure series allows you to easily adapt the enclosures to meet the specific requirements of every application. The following options are available:

- Closure Elements
- Document holders
- Earthing stud
- Gland plates
- Installation material
- Mounting plates
- Rain hoods
- Spacer
- Terminal rails
- Type label holder

#### General ordering data

Type	PECD WIRE 6/200/D6 SET	Version
Order No.	<a href="#">2475490000</a>	Klippon TB (Terminal Box), Grounding strap, Sscrewed, Material: Steel,
GTIN (EAN)	4050118487206	Green/yellow
Qty.	1 pc(s).	

### Ventilation plugs - DAE



In addition to cable glands for a wide range of applications, the product portfolio is rounded off by plugs, pressure compensation elements, adaptors and the corresponding accessories such as locknuts, sealing rings, flat washers and earthing rings.

#### General ordering data

Type	DAE M12 PA LONG	Version
Order No.	<a href="#">1868570000</a>	DAE (ventilation element), Compensating element, straight, M 12, 10
GTIN (EAN)	4032248440429	mm, IP66, IP68, IP69K, Polyamide 6
Qty.	10 pc(s).	
Type	DAE M12 SS	Version
Order No.	<a href="#">1868550000</a>	DAE (ventilation element), Compensating element, straight, M 12, 10
GTIN (EAN)	4032248440405	mm, IP66, IP68, IP69K, Stainless steel 1.4305 (303)
Qty.	10 pc(s).	

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## Accessories

## Terminal rails - TS35



The system accessories for the Klippon® STB enclosure series allows you to easily adapt the enclosures to meet the specific requirements of every application.

- DIN Rails TS 35
- Mounting screws

Weidmüller can manufacture and supply this enclosure - according to customer specifications - fitted with all necessary terminals and cable glands.

## General ordering data

Type	TS35X15 ST STB 2.1 STB 3	Version
Order No.	<a href="#">8000073219</a>	Rail, TS 35, TS 35 x 15, Width: 150 mm, with slot, Steel, galvanic zinc plated and passivated
GTIN (EAN)	4064675356776	
Qty.	20 pc(s).	
Type	TS35X7.5 ST STB 2.1 STB ...	Version
Order No.	<a href="#">1567660000</a>	Rail, TS 35, TS 35 x 7.5, Width: 150 mm, without slot, Steel, galvanic zinc plated and passivated
GTIN (EAN)	4008190084868	
Qty.	100 pc(s).	
Type	SFNS5 VKMU M5 SW15	Version
Order No.	<a href="#">0433500000</a>	Klippon STB (Small Terminal Box), Fixing nut, Square, Height: 15 mm, Width: 15 mm, Depth: 11.7 mm, Material: Steel, galvanised, galvanized, silver
GTIN (EAN)	4008190494520	
Qty.	20 pc(s).	