

KLIPPON STB 1 SS**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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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: 120 mm, Width: 120 mm, Depth: 80 mm, Material: Stainless steel 1.4404 (316L), Mirror polished, silver
Order No.	1002690000
Type	KLIPPON STB 1 SS
GTIN (EAN)	4032248695317
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	80 mm	Depth (inches)	3.15 inch
Height	120 mm	Height (inches)	4.724 inch
Width	120 mm	Width (inches)	4.724 inch
Mounting dimension - width	145 mm	Net weight	1,218.16 g

Temperatures

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

M12	10	M16	6
M20	6	M25	3
M32	2	M40	2

Cable glands, right

M12	8	M16	4
M20	4	M25	2
M32	1	M40	1

Cable glands, top/bottom

M12	10	M16	6
M20	6	M25	3
M32	2	M40	2

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)	IBEXU07ATEX1147U	Certificate No. (IECEX)	IECEXIBE09.0019
Certificate no. (INMETRO)	IEX13.0003	Certificate no. (cULus)	E197061
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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General information

Access opening: height	100 mm	Access opening: width	102 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 ²	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	1x8	WDU 16 / ZDU 16	1x7
WDU 2,5 / ZDU 2,5 / IDU 2,5	1x17	WDU 4 / ZDU 4	1x14
WDU 6 / ZDU 6	1x11		

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

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)	E197061

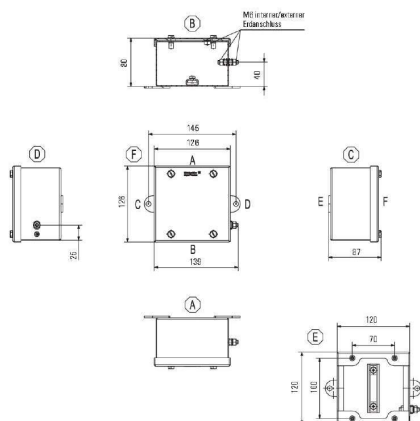
Downloads

Approval/Certificate/Document of Conformity	CCC 2020322303002356 STB Assembly Enclosure UKCA TÜV 22 UKEX 7099 U UKCA TÜV 22 UKEX 7100 Attestation of Conformity - Klippón STB Empty Enclosures - AoC DE PS2620 160308 001ISS04 08_20032 IBEXU07ATEX1148 IECEXIBE09.0018U IECEXIBE09.0019 16-AV4BO-247X 59358-08 IBEXU07ATEX1147U INMETRO Certificado LMP 21.0018 KLIPPON STB CERTIFICADO LMP 21.0015U KLIPPON STB EU Declaration of Conformity - Klippón STB Empty Enclosures Ex - DoC DE PS2620 160412 001ISS01
Engineering Data	CAD data – STEP
Tender specification	Klippón STB 1 SS_1002690000_DE Klippón STB 1 SS_1002690000_EN
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 KLIPPON STB EN FL SHIPBUILDING 2016 EN FL SHIPBUILDING 2016 EN

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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	SD FIXING SET	Version
Order No.	1285200000	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
Type	TPSD FIXING SET KTB	Version
Order No.	1252190000	Klippon TB (Terminal Box), Type plate fixings set, Material: Stainless
GTIN (EAN)	4050118043969	steel, rust-proof, untreated, silver
Qty.	1 pc(s).	

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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.	2475490000	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.	1868570000	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.	1868550000	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 1	Version
Order No.	8000073217	Rail, TS 35, TS 35 x 15, Width: 80 mm, with slot, Steel, galvanic zinc plated and passivated
GTIN (EAN)	4064675356745	
Qty.	20 pc(s).	
Type	SFNS5 VKMU M5 SW15	Version
Order No.	0433500000	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).	
Type	TS35X7.5 ST STB 1	Version
Order No.	8410510000	Rail, TS 35, TS 35 x 7.5, Width: 80 mm, without slot, Steel, galvanic zinc plated and passivated
GTIN (EAN)	4050118652758	
Qty.	20 pc(s).	