

KLIPPON STB 2.1 SS

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

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.	1002730000
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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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 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	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
ECLASS 14.0	27-18-05-02		

Environmental Product Compliance

REACH SVHC	/
RoHS Compliance Status	Compliant without exemption

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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Approvals

Approvals



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

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 - Klippon 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 - Klippon STB Empty Enclosures Ex - DoC DE PS2620 160412 001ISS01
Engineering Data	CAD data – STEP
Tender specification	Klippon STB 2.1 SS_1002730000_DE Klippon STB 2.1 SS_1002730000_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

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Dimensioned drawing

