

KLIPPON STB 5 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: 160 mm, Width: 380 mm, Depth: 120 mm, Material: Stainless steel 1.4404 (316L), Mirror polished, silver
Order No.	1002700000
Type	KLIPPON STB 5 SS
GTIN (EAN)	4032248695638
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	120 mm	Depth (inches)	4.724 inch
Height	160 mm	Height (inches)	6.299 inch
Width	380 mm	Width (inches)	14.961 inch
Mounting dimension - height	80 mm	Mounting dimension - width	405 mm
Weight	4.82 kg	Net weight	3,936 g

Temperatures

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

M12	20	M16	12
M20	12	M25	6
M32	4	M40	2
M50	1	M63	1

Cable glands, right

M12	20	M16	12
M20	12	M25	6
M32	4	M40	2
M50	1	M63	1

Cable glands, top/bottom

M12	64	M16	33
M20	30	M25	16
M32	10	M40	6
M50	4	M63	2

Certificate numbers enclosure

Approval conditions	ATEX, DNV, EAC, IECEX, INMETRO, LR, RMRS, UL AEx Class Div., UL AEx Class Zone, cULus, KC, CCC	Attestation of Conformity No. (AoC)	DE PS2620 160308 001ISS02
Certificate No. (ATEX)	IBEXU07ATEX1148	Certificate No. (EAC)	C-DE.HB07.B.00089-20
Certificate No. (IECEX)	IECEXIBE09.0019	Certificate No. (LLOYDSREG)	08_20032
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 (EAC)	C-DE.HB07.B.00089/20 Ex Terminal Box; C-DE.A154.B.00251/19 Ind. Terminal Box	Certificate no. Terminal Box (IECEX)	IECEX IBE 09.0019
Certificate no. Terminal Box (INMETRO)	IEX 13.0003	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 (INMETRO)	IEX 13.0002U	Certificate no., empty enclosure (EAC)	C-DE.HB07.B.00089/20
Declaration of Conformity No. (DoC LVD)	DE PS2620 160412 001ISS01		

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General information

Access opening: height	140 mm	Access opening: width	362 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	Halogen	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

horizontal assembly

WDU 10 / ZDU 10	1x35	WDU 16 / ZDU 16	1x29
WDU 2,5 / ZDU 2,5 / IDU 2,5	1x68	WDU 4 / ZDU 4	1x57
WDU 6 / ZDU 6	1x44		

vertical assembly

WDU 10 / ZDU 10	3x12	WDU 16 / ZDU 16	3x10
WDU 2,5 / ZDU 2,5 / IDU 2,5	3x25	WDU 4 / ZDU 4	3x21
WDU 6 / ZDU 6	3x16		

Classifications

ETIM 6.0	EC002503	ETIM 7.0	EC002503
ETIM 8.0	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	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	E256877

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 2020322303002356 STB Assembly Enclosure Attestation of Conformity - Klippon STB Empty Enclosures - AoC DE PS2620 160308 001ISS04 RUC-DE.BE02.B.00173 08_20032 IBEXU07ATEX1148 IECEXIBE09.0018U IECEXIBE09.0019 IEX13.0002U IEX13.0003 15.40041.250 16-AV4BO-247X 59358-08 IBEXU07ATEX1147U EU Declaration of Conformity - Klippon STB Empty Enclosures Ex - DoC DE PS2620 160412 001ISS01
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD
Tender specification	Klippon STB 5 SS_1002700000_DE Klippon STB 5 SS_1002700000_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

