

Approvals
Klippon® STB enclosures have the latest international approvals.



Enhanced sealing performance
The new silicon seal has impressive thermal properties and can withstand temperatures from -60 °C to +120 °C. Compression protection ensures the complete functionality of the seal.



Industries
Klippon® STB enclosures can be used in a variety of applications. For example, they are ideal for use in standard applications such as machine construction or transportation. They can also be used in explosive risk zones in the process and petrochemical industry.



Customised solutions
Weidmüller delivers enclosures in the Klippon® STB series connection ready. With its "Customised Solutions" service, Weidmüller offers extensive consultation, engineering and installation services for modified enclosures. Depending on the customer- and industry-specific application, the enclosures can be modified and, subject to international specifications and regulations, sent worldwide together with a wide range of accessories.



Mounting lugs
Mounting lugs are pre-fitted as standard. They are vibration and shock resistant and designed to be secure in operation.



Weidmüller – Your partner in Industrial Connectivity

As experienced experts we support our customers and partners around the world with products, solutions and services in the industrial environment of power, signal and data. We are at home in their industries and markets and know the technological challenges of tomorrow. We are therefore continuously developing innovative, sustainable and useful solutions for their individual needs. Together we set standards in Industrial Connectivity.

Do you operate in industrial or harsh environments? We offer protection for equipment and control components

Let's connect.

Klippon® STB



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www.weidmueller.com/countries

Weidmüller

Klippon® STB stainless and sheet steel enclosures

Protection for industrial standard applications and potentially explosive atmospheres

The Klippon® STB range manufactured from either sheet or stainless steel is the perfectly designed Small Terminal Box. It provides the ideal connection point for either industrial or harsh environment applications.

The name Klippon® has long been synonymous for competence and quality in the supply of enclosures and customer solutions. This philosophy continues with our Klippon® STB range of enclosures. Typically serving industries such as process, energy and transportation, the Klippon® STB series is the perfect complement to our existing Klippon Terminal Box Portfolio. The enclosures are approved to international standards e.g. EN 62208 and IEC EN 60079 (IEC Ex and ATEX) and cULus.

Flexible, internal mounting options
Terminal rails can be installed on the industry standard mounting rails using the provided fixing set with welded C-profile (TAS 20). A maximum possible internal working area is provided while ensuring a stable and flexible area for the rail assembly.



Internal / external earthing screw
The enclosures are supplied with a pre-welded internal and external M6 stainless steel earth stud.



Klippon® STB stainless and sheet steel enclosures



Small stainless and sheet steel enclosure range

Ideally suited for the energy process and transportation industries, the Klippon® STB range is the perfect complement to our existing Klippon® enclosure product line.

Some of the many advantages of these enclosures:

- Available in stainless steel (1.4404/316L) or sheet steel
- A standard seal that is resistant to high temperatures (extended temperature range of -60 °C to +100 °C / 120 °C on request)
- Flexible options for mounting the internal rail
- Secure, permanent functioning of the seal is assured by controlled compression protection
- Earthing studs in the lid and in the enclosure base
- Laser welding seams for improved quality
- Delivered with pre-welded mounting lugs to ensure an optimal enclosure installation

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

Overview of enclosures

Ordering data

Description	Dimensions	Electro-polished	Mirror-polish	Powder-coated RAL 7032
Klippon® STB 1	120 x 120 x 80	1058810000	1002690000	1024970000
Klippon® STB 1.1	150 x 120 x 80	1058820000	1002750000	1024980000
Klippon® STB 2	150 x 150 x 90	1058830000	1002740000	1024990000
Klippon® STB 2.1	190 x 150 x 90	1058840000	1002730000	1025010000
Klippon® STB 3	190 x 190 x 100	1058850000	1002720000	1025020000
Klippon® STB 4	250 x 250 x 120	1058860000	1002710000	1025030000
Klippon® STB 5	160 x 380 x 120	1058880000	1002700000	1025040000
Klippon® STB 6	250 x 400 x 130	1058870000	1002760000	1025050000

Technical overview

Features

- Mirror-polished or electro-polished stainless steel 1.4404 (316L) or powder-coated sheet steel 1.0330
- Fitted with a welded, internal C-profile rail (TAS 20) and mounting lugs
- Laser cut weld seams
- Approved in accordance with the latest international standards (e.g. IEC Ex, ATEX, cULus, GOST)

Please note: enclosures are delivered via our assembly service, ready to be connected and suitable for every application.

Technical data

	Stainless steel	Sheet steel
Enclosure material	Stainless steel 1.4404 (316L) 1.50 mm	Sheet steel 1.0330 1.50 mm
Surface	mirror-polished, electropolished	powder-coated RAL 7032
IP protection class	IP 66 in accordance to IEC EN 60079-0	IP 66
NEMA Rating	4, 4x	
Earthing	Enclosure base: internal / external M6 stainless steel Lid: M6 x 12 stainless steel	Enclosure base: internal / external M6 stainless steel Lid: M6 x 12 stainless steel
Installation mounting	Welded C-profile rail	Welded C-profile rail
Enclosure mounting	2 external mounting feet with 8 mm holes	2 external mounting feet with 8 mm holes
Lid opening	completely removable lid with 4 x M5 screws	completely removable lid with 4 x M5 screws
Impact resistance	7J ATEX	10J Industrial version
Gasket material	Silicone -60 °C to +100 °C (120 °C on request)	Silicone -60 °C to 120 °C
Lid screws torque*	2.5 Nm	2.5 Nm
The seal is protected against compression in line with the manufacturer's recommendation		
Note	To secure the lid, please use our 10 mm hexagonal socket wrench (9009070000).	

Approvals for empty enclosures

	Stainless steel	Sheet steel
ATEX / IECEx Certificate	IBExU 07ATEX1147 U / IECEx IBE09.0018U	
ATEX / IECEx marking	Ⓜ II 2 G Ex e II C Gb Ⓜ II 2 D Ex tb III C Db IP66	
cULus	E 197061	
Lloyd's Register	08/20032	
Germanischer Lloyd	5935808 HH	
GOST	POCC DE.ME25.B01450	
Installation	The Klippon® STB enclosure range can be pre-fitted by our local customer-specific assembly according to your wishes; as an example, terminals or other approved components can be installed.	
Note	To secure the lid, please use our 10 mm hexagonal socket wrench (9009070000).	

Approvals for control and distribution boxes

	Stainless steel	Sheet steel
ATEX / IECEx Certificate	IBExU 07ATEX1148 / IECEx IBE09.0019	
ATEX / IECEx marking	Ⓜ II 2 G Ex e IIC Gb Tx, T II 2 D Ex tb III C Db IP6x Txxx °C Ⓜ II 1 G Ex ia IIC Ga Tx, T II 1 D Ex tb III C Db IP6x Txxx °C Ⓜ II 2 G Ex e IIC Gb Tx, T II 2 D Ex tb III C Db IP6x Txxx °C	
Note	If you have specific requirements for equipment operating in explosive risk zones, please contact us at Weidmüller to receive a full copy of the certification. * The Klippon® STB sheet steel painted version is not Ex certified. For industrial applications only.	