

## Specification Text - Enclosure, Stainless steel

120 mm x 120 mm x 80 mm ... 250 mm x 400 mm x 130 mm (Hight x Width x Depth)

### Specification Text short:

Manufacturer: Weidmüller  
Brand: Klippon®  
Type: Terminal box, junction box, distribution box  
Enclosure range: Klippon STB  
Material: Stainless steel V4A / 316L / 1.4404  
Lid: 4x captive fixing screws (SW10 Slot)  
Ambient temperatures:  $-60\text{ °C} \leq T_{\text{amb}} \leq 120\text{ °C}$  (DIN EN 62208) /  $+100\text{ °C}$  (IEC 60079-7), including aging cycles

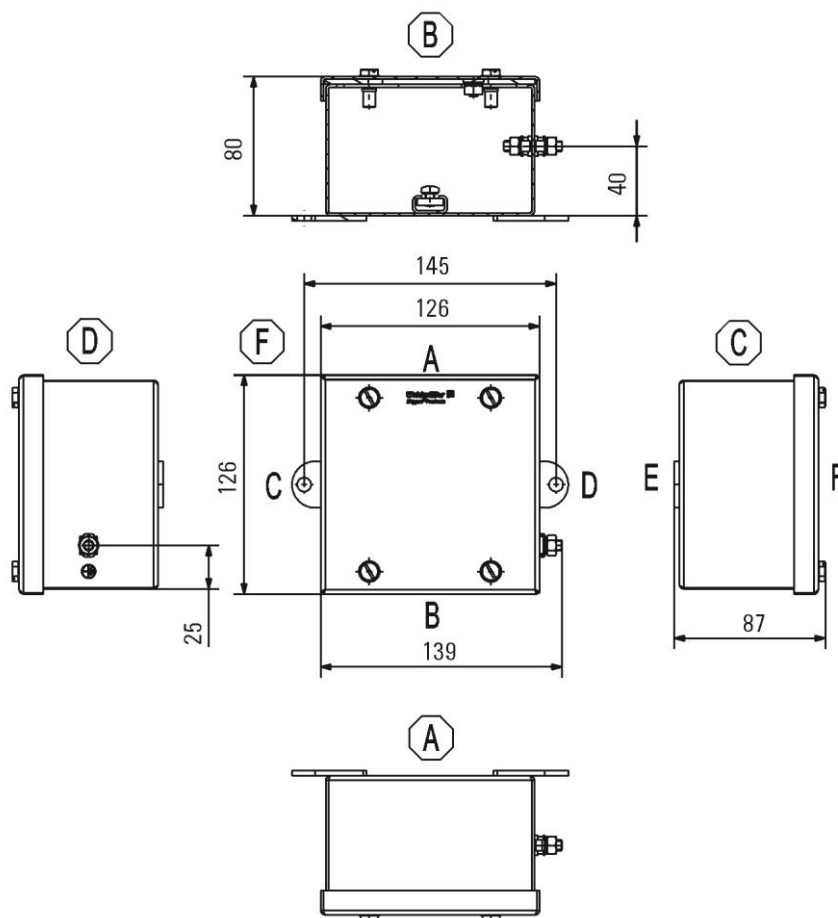
### Specification Text long:

Manufacturer: Weidmüller  
Brand: Klippon®  
Type: Terminal box, junction box, distribution box  
Enclosure range: Klippon STB  
Description: Klippon STB 1 SS E  
Article number: 1058810000  
Material: Stainless steel V4A / 316L / 1.4404  
Manufacturing process: Laser formed from one-piece, edged and welded. Welded joints certified to DVS, DIN EN 15085-2, CI-2.  
Wall thickness: Enclosure base 1.5 mm / Lid 1.5 mm  
IP / NEMA Rating: IP66 (EN 62208, DIN EN 60529, IEC 60079-0) / NEMA 4X (UL 50E, CSA C22.2)  
Surface: Electro polished  
Dimensions (H x W x D): 120 mm x 120 mm x 80 mm  
Lid: 4x captive fixing screws (SW10 Slot)  
Sealing for lid: Single (non-jointed) silicon gasket with compression control. Flat (10 mm) seal design so as to prevent damage to the sealing gasket.  
Earth bolt: Internal / external: 1x M6 of stainless steel V4A / 316L / 1.4404, welded;  
Internal on the lid: 1x M6 of stainless steel V4A / 316L / 1.4404, welded  
Enclosure attachment: 4x captive fixing screws (SW10 Slot)  
Ambient temperatures:  $-60\text{ °C} \leq T_{\text{amb}} \leq 120\text{ °C}$  (DIN EN 62208) /  $+100\text{ °C}$  (IEC 60079-7)  
Impact resistance: 7 J (IEC 60079-0), IK 09 (10 J) (DIN EN 50102)

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Klippon STB 1



### Options:

Label fixing sets:

Stainless steel V4A / 316L / 1.4404, screwed or fixed by rivets. Punched silicon gasket with compression control for the label and its silicon gasket, to ensure the IP rating.

Mounting plates:

DIN rail C type, welded

Earth bolt:

Internal / external: M10 of stainless steel V4A / 316L / 1.4404 or M10 of brass or M6 of stainless steel V4A / 316L / 1.4404 or M6 of brass

Assembly of terminals:

All terminal blocks of type Klippon® Connect. All DIN rails vertical mounting, horizontal mounting as option. Terminal marker horizontal. Hazardous areas: All terminals for intrinsically safe circuits are colored blue, for non-intrinsically safe circuits are colored dark beige. On request: Assembly with control stations (switches, push buttons, lights, indicators).

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Certifications: For assembled resp. empty enclosures

ATEX:

- II 2G Ex e IIC T6 ... T4 Gb
- II 1G Ex ia IIC T6 ... T4 Ga
- II 2D Ex tb IIIC T80°C ... T130°C Db

IECEX:

- Ex e IIC T6 ... T4 Gb
- Ex ia IIC T6 ... T4 Ga
- Ex tb IIIC T80°C ... T130°C Db

INMETRO:

- Ex e IIC T6 ... T4 Gb
- Ex ia IIC T6 ... T4 Ga
- Ex tb IIIC T80°C ... T120°C Db

KOSHA:

- Ex e IIC T6 ... T4

EAC Ex:

- 1Ex e IIC T6 ... T4 Gb
- 0Ex ia IIC T6 ... T4 Ga
- Ex tb IIIC T80°C ... T130°C Db

cULus

Lloyd's Register

DNV GL

Russian Maritime Register of Shipping

OIT Certification, Russia, Containment and Non-Containment, safety-related applications

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