

Specification Text - Enclosure, Stainless steel

Sizes: 229 mm x 152 mm x 133 mm ... 980 mm x 740 mm x 200 mm (Hight x Width x Depth)

Specification Text short:

Manufacturer:	Weidmüller
Brand:	Klippon®
Type:	Terminal box, junction box, distribution box,
Enclosure range:	Klippon TB FS
Material of the body:	Stainless steel V4A / 316L / 1.4404
Manufacturing process:	Laser formed from one sheet of steel, edged and welded. Welded joints certified to DVS, DIN EN 15085-2, CI-2.
Lid:	4x captive fixing screws (SW10 slot)
Sealing for lid and gland plates:	Single (fully complete) silicon gasket with compression control. Flat (10 mm) seal design around the complete aperture of the enclosure so as to eliminate knife-edge contact and prevent damage to the sealing gasket.
Gland plates:	Stainless steel V4A / 316L / 1.4404, electropolished, material thickness 3 mm, fixing screws (SW 10) with fully welded socket with internal thread on the enclosure base.
Operating temperatures:	-60 °C ≤ Tamb ≤ +135 °C (IEC60079-0), including aging cycles.

Specification Text long:

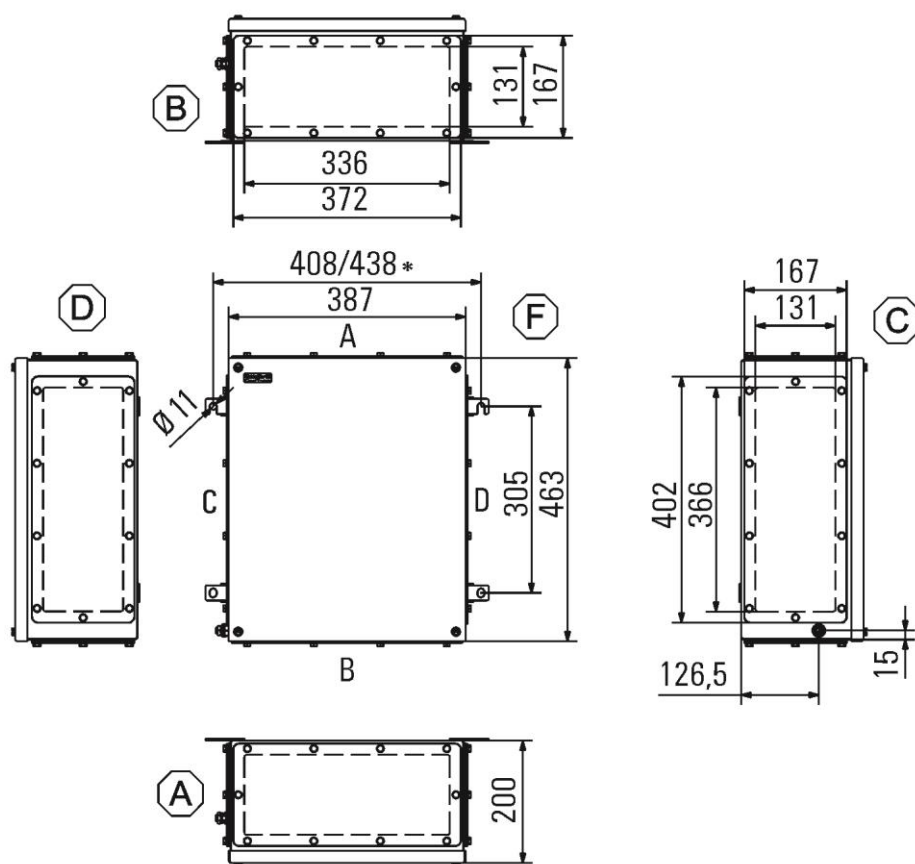
Manufacturer:	Weidmüller
Brand:	Klippon®
Type:	Terminal box, junction box, distribution box,
Enclosure range:	Klippon TB FS
Description:	Klippon TB FS 453820 S4E3
Article number:	1196180000
Material of the body:	Stainless steel V4A / 316L / 1.4404
Manufacturing process:	Laser formed from one sheet of steel, edged and welded. Welded joints certified to DVS, DIN EN 15085-2, CI-2.
Material thickness:	Enclosure base 1.5 mm / Lid 1.5 mm
IP / NEMA Rating:	IP66, IP67 (EN 62208, DIN EN 60529, IEC 60079-0) / NEMA 3, 4X, 12 (UL 50, UL50E, CSA C22.1, C22.2).
Surface:	Electropolished
Dimensions (H x W x D):	458 mm x 382 mm x 200 mm
Lid:	4x captive fixing screws (SW10 slot)
Sealing for lid and gland plates:	Single (fully complete) silicon gasket with compression control. Flat (10 mm) seal design around the complete aperture of the enclosure so as to eliminate knife-edge contact and prevent damage to the sealing gasket.
Gland plates:	Left, right, bottom. Stainless steel V4A / 316L / 1.4404, electropolished. Material thickness 3 mm. Fixing screws (SW 10) with fully welded captive sockets with internal thread on the enclosure base.
Earth bolt:	Internal / External: 1x M10, brass, with rotation prevention; Internal: 1x M6 on the enclosure base, 1x M6 on the lid, V4A / 316L / 1.4404, welded.

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Enclosure attachment:	4 mounting feet with 11 mm hole size, welded to the enclosure base. 2 of them are slotted.
Ambient temperatures:	-60 °C ≤ Tamb ≤ +135 °C (IEC60079-0), including aging cycles
Impact resistance:	7 J - IEC 60079-0 / IK 09 (10 J) - DIN EN 50102
Traceability:	The article description and the article number are laser marked on to the lid and enclosure base. By this marking lid and enclosure base are assigned.

Klippon TB FS 453820,
gland plates left, right, top,
bottom



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.
Label holder:	Stainless steel V4A / 316L / 1.4404, fixed by rivets or welded.
Gland plates:	Material thickness 6 mm, Stainless steel V4A / 316L / 1.4404, Electropolished. Fixing screws (SW10) with tightly welded threaded bushings inside the enclosure base.

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Assembly of terminals: All terminal blocks of type Klippon® Connect. All DIN rails vertical mounting, horizontal mounting as option. Terminal marker horizontal or vertically. Hazardous areas: All terminals for intrinsically safe circuits are colored blue, for all other circuits are colored dark beige. On request: Assembly with control stations (switches, push buttons, lights, displays) or with transmitters and other electronic devices.

Certifications: For assembled resp. empty enclosures

ATEX:

II 2G Ex eb IIC, IIB, IIA T6 ... T4 Gb
II 1G Ex ia IIC, IIB, IIA T6 ... T4 Ga
II 2G Ex ib IIC, IIB, IIA T6 ... T4 Gb
II 3G Ex ic IIC, IIB, IIA T6 ... T4 Gc
II 2G Ex e ia IIC, IIB, IIA T6 ... T4 Gb
II 2D Ex tb IIIC T85°C ... T135°C Db
II 1D Ex ia IIIC T85°C ... T135°C Da

IECEX:

Ex eb IIC, IIB, IIA T6 ... T4 Gb
Ex ia IIC, IIB, IIA T6 ... T4 Ga
Ex ib IIC, IIB, IIA T6 ... T4 Gb
Ex ic IIC, IIB, IIA T6 ... T4 Gc
Ex e ia IIC, IIB, IIA T6...T4 Gb
Ex tb IIIC T85°C ... T135°C Db
Ex ia IIIC T85°C ... T135°C Da

NEPSI:

Ex e IIC T4 ... T6 Gb
Ex ia IIC T4 ... T6 Ga
Ex ib IIC T4 ... T6 Gb
Ex ic IIC T4 ... T6 Gc
Ex e ia IIC T4 ... T6 Gb
DIP A21 Ta85°C ... 135°C
Ex iaD 20 Ta 85°C ... 135°C

EAC Ex:

1 Ex eb IIC T6 ... T4 Gb
0 Ex ia IIC T6 ... T4 Ga
Ex tb IIIC T85°C ... T135°C Db

AEx:

Class I, Zone 1, AEx e IIC T4 ... T6 Gb
Zone 21 AEx tb IIIC T85°C ... T135°C Db
CLASS I DIV 2 Groups A, B, C, D T6 ... T4

INMETRO:

Ex e IIC / IIB / IIA T6 ... T4 Gb
Ex ia IIC / IIB / IIA T6 ... T4 Ga
Ex tb IIIC / IIIB / IIIA T85°C ... T135°C Db

KOSHA:

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Ex e IIC T6 ... T4

cULus

Germanischer Lloyd

Russian Maritim Register of Shipping

OIT Certification, Russland, Containment and Non-Containment, safety related applications, safety class 2, 3, 4

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