

Specification Text - Enclosure, Aluminium

45 mm x 50 mm x 30 mm ... 230 mm x 280 mm x 111 mm (Hight x Width x Depth)

Specification Text short:

Manufacturer: Weidmüller
Brand: Klippon®
Type: Terminal box, junction box, distribution box
Enclosure range: Klippon K
Material: Aluminium AlSi12
Lid: 4x captive fixing screws (Torx-Slot), hinge as option
Ambient temperatures: $-60\text{ °C} \leq T_{amb} \leq +135\text{ °C}$ (IEC 60079-7), including aging cycles

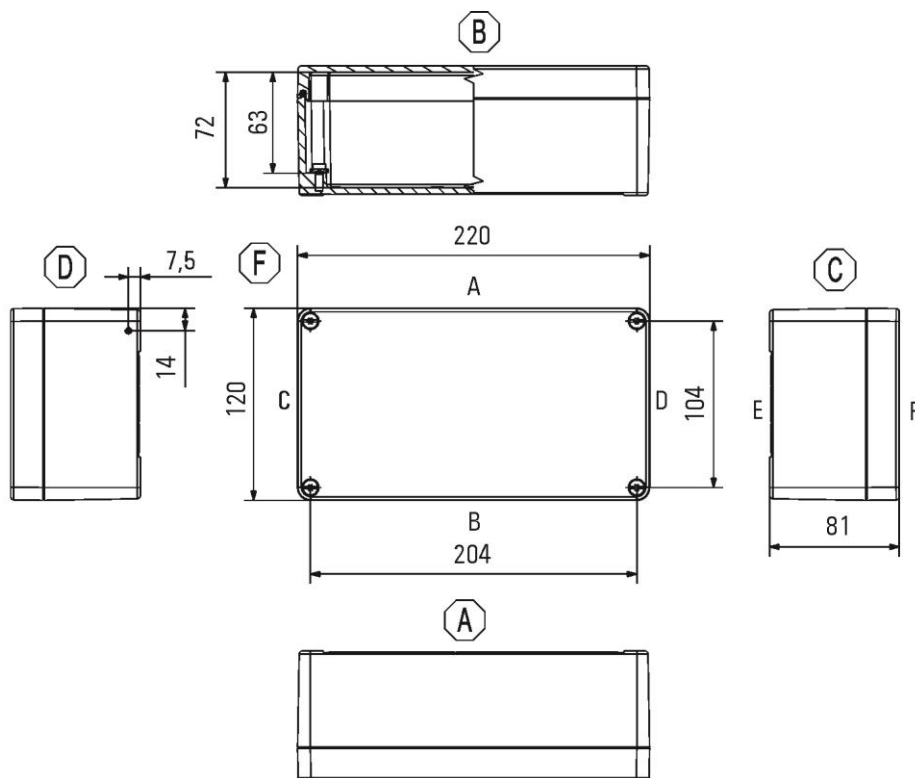
Specification Text long:

Manufacturer: Weidmüller
Brand: Klippon®
Type: Terminal box, junction box, distribution box
Enclosure range: Klippon K
Description: Klippon K51 Ex RAL7001
Article number: 1328130000
Material: Aluminium AlSi12
Manufacturing process: Die-cast aluminum.
Wall thickness: Enclosure base $\geq 3\text{ mm}$, Draft angle 1 to 2 ° / lid 3 mm
IP / NEMA Rating: IP66, IP 67 (EN 62208, DIN EN 60529, IEC 60079-0) / NEMA 4, 4X (UL 50E, CSA C22.2)
Surface: Powder coated (RAL 7001)
Dimensions (H x W x D): 120 mm x 220 mm x 81 mm
Lid: 4x captive fixing screws (Torx-Slot), hinge as option
Sealing for lid: Single (non-jointed) silicon O-ring with compression control, to prevent damage to the sealing gasket
Earth bolt: Internal: Srew connection / External: 1x M4 Earth bolt of stainless steel
Enclosure attachment: 4x captive fixing screws (Torx-Slot)
Ambient temperatures: $-60\text{ °C} \leq T_{amb} \leq +135\text{ °C}$ (IEC 60079-7)
Impact resistance: 7 J (IEC 60079-0)
EMC: Tested and based on VG95373-15:2004-07, methode KS 04B.
Determined shielding effectiveness is in average around 30 dB within the frequency range 100 to 1500 MHz

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Klippon K51



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:

Galvanized sheet steel

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

Wall mounting brackets:

Set with 4 external brackets, stainless steel V2A / 304, 1.4301

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 2G Ex ia IIC T6 ... T4 Gb

II 2D Ex tb IIIC T85°C ... T135°C Db

IECEX:

Ex e IIC T6 ... T4 Gb

Ex ia IIC T6 ... T4 Gb

Ex tb IIIC T85°C ... T135°C Db

EAC Ex:

1Ex e IIC T6 ... T4 Gb

1Ex ia IIC T6 ... T4 Gb

Ex tb IIIC T85°C ... T135°C Db

Russian Maritime Register of Shipping

Germanischer Lloyd

cULus

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

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