

## KLIPPON K51 EX

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Similar to illustration



The aluminium Klippon® K enclosures are suitable for use in an extremely wide range of different areas. Various components can be installed inside the enclosures, and will benefit in particular from the high temperature resistance, the excellent IP protection and the good impact resistance.

No matter what kind of application the customer is planning, Weidmüller is able to provide a wide range of aluminium enclosures precisely fitting the customer's requirements.

Klippon® K enclosures for hazardous areas are available on request.

Our extensive product range offers the following advantages:

- Available in two surface finishes: natural and powder-coated (RAL 7001)
- With chloroprene moulded seal as standard (silicone moulded seal optionally available)
- Standardised closure system with Torx slotted screw head for 19 enclosure sizes
- Mounting holes outside of the gasket area
- High IP protection classes: IP66, IP67 and IP68 according to DIN EN 60529
- Impact resistance of up to 7 (10) Joules
- The enclosures are approved according ATEX, IECEx, cULus, and DNV GL as well as the empty enclosure standard.

- Suitable for railway applications according to EN 45545-2:2013
- Alloy is resistant to salt water
- Standardised distributor enclosures with threaded holes and a variety of terminal configurations

## General ordering data

Version	Klippon K (aluminium empty enclosure), Empty enclosure, Aluminium enclosure, Height: 120 mm, Width: 220 mm, Depth: 81 mm, Material: Aluminium AISi12, untreated, silver
Order No.	<a href="#">9526940000</a>
Type	KLIPPON K51 EX
GTIN (EAN)	4008190979089
Qty.	1 pc(s).

**KLIPPON K51 EX****Weidmüller Interface GmbH & Co. KG**

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**Technical data****Dimensions and weights**

Depth	81 mm	Depth (inches)	3.189 inch
Height	120 mm	Height (inches)	4.724 inch
Width	220 mm	Width (inches)	8.661 inch
Mounting dimension - height	82 mm	Mounting dimension - width	204 mm
Net weight	1,428 g		

**Temperatures**

Operating temperature	-60 °C...135 °C
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**Cable glands, left**

M12	6	M16	3
M20	2	M25	1
M32	1		

**Cable glands, right**

M12	6	M16	3
M20	2	M25	1
M32	1		

**Cable glands, top/bottom**

M12	23	M16	14
M20	8	M25	5
M32	3	M40	3

**Certificate numbers enclosure**

Approval conditions	DNV, GL, RMRS, ATEX, IECEX, UL AEx Class Div., CCC, INMETRO	Attestation of Conformatiy No. (AoC)	DE PS2410 160308 001ISS01
Certificate No. (ATEX)	IBEXU12ATEX1145X	Certificate No. (DNV)	TAE00002SM
Certificate No. (IECEX)	IECEXIBE13.0002X	Certificate no. Terminal Box (ATEX)	IBEXU12ATEX1145 X
Certificate no. Terminal Box (IECEX)	IECEX IBE 13.0002X	Certificate no. Terminal Box (INMETRO)	LMP 23.0527X
Certificate no. empty enclosure (ATEX)	IBEXU12ATEX1144 U	Certificate no. empty enclosure (IECEX)	IECEX IBE 13.0001U
Certificate no. empty enclosure (INMETRO)	LMP 23.0526U	Declaration of Conformatiy No. (DoC LVD)	DE_PS2410_160412_001ISS01

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## Technical data

## General information

Access opening: height	111 mm	Access opening: width	211 mm
Areas of use	Explosive risk zone, Process industry, Transportation, Packaging industry, Marine engineering, Machine construction, Harbour facilities	Enclosure attachment	
Flange plate	No	Impact resistance	Holes 6 mm 7 J ATEX version
Integral fixing	Threaded holes M5	Lid	Yes
Lid attachment	M6 torx stainless steel screws with slot	Material	Aluminium AlSi12
Material thickness of cover	4 mm	Material thickness of enclosure	4.5 mm
Number of lid screws	4	Operating temperature, max.	135 °C
Operating temperature, min.	-60 °C	Protection degree	IP66, IP67
Seal material		Standards	IEC 60079-0, IEC 60079-7, IEC 60079-31, EN 45545-2:2013
	Silicone		
Surface finish	untreated	Torque for lid screws	2.5 Nm

## horizontal assembly

WDU 10 / ZDU 10	1x16	WDU 2,5 / ZDU 2,5 / IDU 2,5	1x31
WDU 4 / ZDU 4	1x26	WDU 6 / ZDU 6	1x19

## vertical assembly

WDU 2,5 / ZDU 2,5 / IDU 2,5	*	WDU 4 / ZDU 4	*
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## Classifications

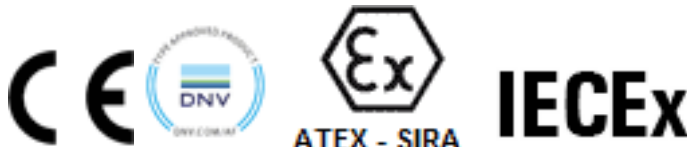
ETIM 6.0	EC002503	ETIM 7.0	EC002503
ETIM 8.0	EC002503	ETIM 9.0	EC002503
ECLASS 9.0	27-18-05-02	ECLASS 9.1	27-18-05-02
ECLASS 10.0	27-18-05-02	ECLASS 11.0	27-18-05-02
ECLASS 12.0	27-18-05-02	ECLASS 13.0	27-18-05-02

## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	9e4cab4e-239c-4e14-b9df-a0fee300d28a

## Approvals

Approvals



ROHS	Conform
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## Technical data

## Downloads

Approval/Certificate/Document of Conformity	<a href="#">CCC 2020322303000040 Klippon K Assembly Enclosure</a> <a href="#">UKCA TÜV 22 UKEX 7094 U</a> <a href="#">UKCA TÜV 22 UKEX 7095 X</a> <a href="#">Attestation of Conformity - Klippon K Empty Enclosures - AoC DE PS2410 160308 001ISS03</a> <a href="#">IBEXU12ATEX1145X</a> <a href="#">IECEXIBE13.0001U</a> <a href="#">IECEXIBE13.0002X</a> <a href="#">TAE00002SM</a> <a href="#">IBEXU12ATEX1144U</a> <a href="#">INMETRO LMP 23.0527X - Teminal Box CAIXAS DE JUNÇÃO KLIPPON K</a> <a href="#">INMETRO CERTIFICADO LMP 23.0526U - INVÓLUCROS VAZIOS Empty Enclosure KLIPPON K</a> <a href="#">EU Declaration of Conformity - Klippon K Empty Enclosures - DoC DE PS2410 160412 001ISS02</a> <a href="#">DoM Klippon K salt water resistance</a> <a href="#">DoM Klippon K EN 45545-2 2013 Railway</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Product Change Notification	<a href="#">Technical change to Klippon K® enclosure series</a> <a href="#">Technische Änderung für Klippon® K Gehäuse</a> <a href="#">20240315-PCN-Klippon K Enclosure Instruction</a>
Tender specification	<a href="#">Klippon K51 Ex_9526940000_DE</a> <a href="#">Klippon K51 Ex_9526940000_EN</a>
User Documentation	<a href="#">Assembly guidelines - empty enclosures</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	<a href="#">MB OVERV. PROCESS WD DE</a> <a href="#">MB KLIPPON ENCL.TECN EN</a> <a href="#">MB PROCESS EN</a> <a href="#">FL RAILWAY 2014 EN</a> <a href="#">FL RAILWAY 2014 EN</a>

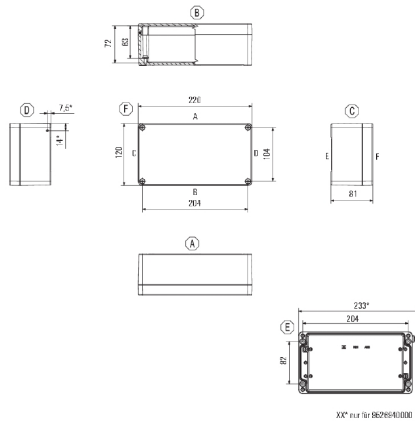
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## Drawings

### Dimensioned drawing



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## Accessories

## Klippon® K - Mounting plates



The system accessories for the Klippon® K enclosure series allows you to easily adapt the enclosures to meet the specific requirements of every application.

- DIN Rails TS 35 and TS 15
- Mounting plates
- Hinges
- Wall-mounted holder

## General ordering data

Type	MOPL K51 STAHL	Version
Order No.	<a href="#">3073090000</a>	Klippon K (aluminium empty enclosure), Mounting plate, Mounting
GTIN (EAN)	4008190858025	plate, Height: 106 mm, Width: 207 mm, Depth: 2 mm, Material: Sheet
Qty.	1 pc(s).	steel, galvanized, galvanized, silver

## Depth 7.5 mm



The system accessories for the Klippon® K enclosure series allows you to easily adapt the enclosures to meet the specific requirements of every application.

- DIN Rails TS 35 and TS 15
- Mounting plates
- Hinges
- Wall-mounted holder

## General ordering data

Type	TS35X7.5 ST K5 1	Version
Order No.	<a href="#">8000003907</a>	Rail, TS 35, TS 35 x 7.5, Width: 203 mm, without slot, Steel, galvanic
GTIN (EAN)	4050118652642	zinc plated and passivated
Qty.	20 pc(s).	
Type	TS35/203 KLIPPON K51POK5	Version
Order No.	<a href="#">1910090000</a>	Rail, TS 35, TS 35 x 7.5, Width: 203 mm, without slot, Steel,
GTIN (EAN)	4032248537006	galvanized, chromium-plated
Qty.	1 pc(s).	

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Screws**

Depending on the terminal block or also accessories, we offer different types of screws as additional items or also spare parts.

**General ordering data**

Type	FKSC M5X8 D9/SW2.5	Version
Order No.	<a href="#">0295900000</a>	SAK Series, Allen hex screw, Screws, Number of poles: 1
GTIN (EAN)	4008190133337	
Qty.	50 pc(s).	

**Klippon® K - Hinge**

The system accessories for the Klippon® K enclosure series allows you to easily adapt the enclosures to meet the specific requirements of every application.

- DIN Rails TS 35 and TS 15
- Mounting plates
- Hinges
- Wall-mounted holder

**General ordering data**

Type	HG K+POK	Version
Order No.	<a href="#">1580360000</a>	Klippon POK (polyester empty enclosure), External joint, Hinge,
GTIN (EAN)	4008190203542	Material: Aluminium AlSi12, silver
Qty.	1 pc(s).	

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## Accessories

## Depth 15 mm



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- DIN Rails TS 35 and TS15
- Mounting plates
- Hinges
- Wall-mounted holder

## General ordering data

Type	TS35X15 ST K51	Version
Order No.	<a href="#">8000073094</a>	Rail, TS 35, TS 35 x 15, Width: 203 mm, with slot, Steel, galvanic zinc plated and passivated
GTIN (EAN)	4064675337058	
Qty.	20 pc(s).	

## Installation material



### Integrate, expand and customise - the perfect supplement to every application

The fully structured range of system accessories for the new Klippon® TB enclosure series allows you to easily adapt the enclosures to meet the specific requirements of every application.

#### Mounting hardware kits

Mounting hardware kits are available for quick and easy installation of type label holders, document holders and rain hoods.

The **label fastening set – SD** is required to install a plastic (Trafolyte) ID or type label. With the aid of this set can you mount the ID or type label directly on the enclosure cover. The label fastening set has been specially developed for this purpose. Only by using this fastening set can you ensure that there will be no leaks into the enclosure or damage to the label.

The **universal fastening set – TPSD** has been developed to enable secure and quick installation of type label holders, rain covers or document holders, for example. By using this fastening set, the risk of leaks can be minimised, if not avoided.

## General ordering data

Type	SD FIXING SET	Version
Order No.	<a href="#">1285200000</a>	Klippon TB (Terminal Box), Identification plate fixing set, Height: 12 mm, Width: 12 mm, Depth: 16.4 mm, Material: Stainless steel, rust-proof, untreated, silver
GTIN (EAN)	4050118075472	
Qty.	1 pc(s).	
Type	TPSD FIXING SET KTB	Version
Order No.	<a href="#">1252190000</a>	Klippon TB (Terminal Box), Type plate fixings set, Material: Stainless steel, rust-proof, untreated, silver
GTIN (EAN)	4050118043969	
Qty.	1 pc(s).	



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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Klippon® K - Wall-mounted holder**

The system accessories for the Klippon® K enclosure series allows you to easily adapt the enclosures to meet the specific requirements of every application.

- DIN Rails TS 35 and TS15
- Mounting plates
- Hinges
- Wall-mounted holder

**General ordering data**

Type	KLIPPON K MF KIT 25	Version
Order No.	<a href="#">9527590000</a>	Klippon K (aluminium empty enclosure), Mounting foot, Fixing lugs,
GTIN (EAN)	4032248014071	Height: 70 mm, Width: 33.5 mm, Depth: 12 mm, Material: Stainless
Qty.	1 pc(s).	steel 1.4301, silver