

KLIPPON K21 EX

Weidmüller Interface GmbH & 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: 80 mm, Width: 125 mm, Depth: 57 mm, Material: Aluminium AISi12, untreated, silver
Order No.	9526870000
Type	KLIPPON K21 EX
GTIN (EAN)	4032248019120
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Depth	57 mm	Depth (inches)	2.244 inch
Height	80 mm	Height (inches)	3.15 inch
Width	125 mm	Width (inches)	4.921 inch
Mounting dimension - height	52 mm	Mounting dimension - width	113 mm
Net weight	472 g		

Temperatures

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

M12	2	M16	2
M20	1		

Cable glands, right

M12	2	M16	2
M20	1		

Cable glands, top/bottom

M12	6	M16	4
M20	3	M25	2

Certificate numbers enclosure

Approval conditions	DNV, GL, RMRS, ATEX, IECEx, UL AEx Class Div., CCC, INMETRO	Attestation of Conformity No. (AoC)	DE PS24 10 160308 001ISS01
Certificate No. (ATEX)	IBEXU12ATEX1144U	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 Conformity No. (DoC LVD)	DE_PS24 10_160412_001ISS01

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Technical data

General information

Access opening: height	72 mm	Access opening: width	117 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 4 mm 7 J ATEX version
Integral fixing	Threaded holes M4	Lid	Yes
Lid attachment	M4 torx stainless steel screws with slot	Material	Aluminium AlSi12
Material thickness of cover	2.5 mm	Material thickness of enclosure	4 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 2,5 / ZDU 2,5 / IDU 2,5	1x15	WDU 4 / ZDU 4	1x12
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vertical assembly

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

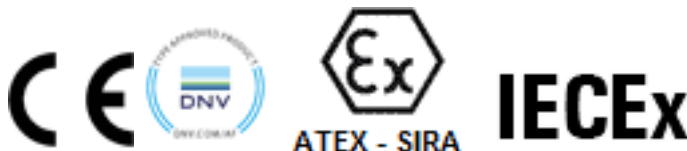
ETIM 6.0	EC002503	ETIM 7.0	EC002503
ETIM 8.0	EC002503	ETIM 9.0	EC002503
ECLASS 9.0	27-18-05-02	ECLASS 9.1	27-18-05-02
ECLASS 10.0	27-18-05-02	ECLASS 11.0	27-18-05-02
ECLASS 12.0	27-18-05-02	ECLASS 13.0	27-18-05-02

Environmental Product Compliance

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

Approvals

Approvals



ROHS	Conform
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www.weidmueller.com**Technical data****Downloads**

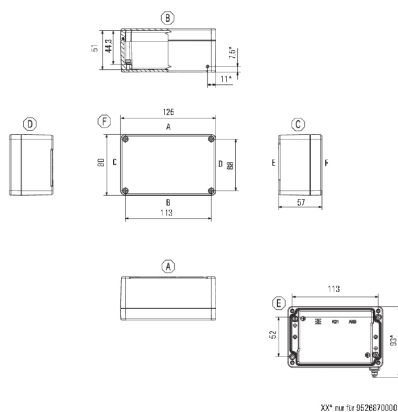
Approval/Certificate/Document of Conformity	CCC 2020322303000040 Klippon K Assembly Enclosure UKCA TÜV 22 UKEX 7094 U UKCA TÜV 22 UKEX 7095 X Attestation of Conformity - Klippon K Empty Enclosures - AoC DE PS2410 160308 001ISS03 IBEXU12ATEX1145X IECEXIBE13.0001U IECEXIBE13.0002X TAE00002SM IBEXU12ATEX1144U INMETRO LMP 23.0527X - Terminal Box CAIXAS DE JUNÇÃO KLIPPON K INMETRO CERTIFICADO LMP 23.0526U - INVÓLUCROS VAZIOS Empty Enclosure KLIPPON K EU Declaration of Conformity - Klippon K Empty Enclosures - DoC DE PS2410 160412 001ISS02 DoM Klippon K salt water resistance DoM Klippon K EN 45545-2 2013 Railway
Engineering Data	CAD data – STEP
Product Change Notification	Technical change to Klippon K® enclosure series Technische Änderung für Klippon® K Gehäuse 20240315-PCN-Klippon K Enclosure Instruction
Tender specification	Klippon K21 Ex_9526870000_DE Klippon K21 Ex_9526870000_EN
User Documentation	Assembly guidelines - empty enclosures
Catalogues	Catalogues in PDF-format
Brochures	MB OVERV. PROCESS WD DE MB KLIPPON ENCL.TECN EN MB PROCESS EN FL RAILWAY 2014 EN FL RAILWAY 2014 EN

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www.weidmueller.com**Drawings****Dimensioned drawing**

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www.weidmueller.com**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 K21 STAHL	Version
Order No.	3073020000	Klippon K (aluminium empty enclosure), Mounting plate, Mounting
GTIN (EAN)	4008190857950	plate, Height: 67 mm, Width: 114 mm, Depth: 2 mm, Material: Sheet
Qty.	1 pc(s).	steel, galvanized, galvanized, silver

Depth 15 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	TS35X15 ST K21	Version
Order No.	8000073088	Rail, TS 35, TS 35 x 15, Width: 114 mm, with slot, Steel, galvanic zinc
GTIN (EAN)	4064675336990	plated and passivated
Qty.	20 pc(s).	

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Accessories

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.	1285200000	Klippon TB (Terminal Box), Identification plate fixing set, Height: 12
GTIN (EAN)	4050118075472	mm, Width: 12 mm, Depth: 16.4 mm, Material: Stainless steel, rust-
Qty.	1 pc(s).	proof, untreated, silver
Type	TPSD FIXING SET KTB	Version
Order No.	1252190000	Klippon TB (Terminal Box), Type plate fixings set, Material: Stainless
GTIN (EAN)	4050118043969	steel, rust-proof, untreated, silver
Qty.	1 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 TS15
- Mounting plates
- Hinges
- Wall-mounted holder

General ordering data

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

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www.weidmueller.com**Accessories****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 K21	Version
Order No.	8000003897	Rail, TS 35, TS 35 x 7.5, Width: 114 mm, without slot, Steel, galvanic
GTIN (EAN)	4050118652598	zinc plated and passivated
Qty.	20 pc(s).	

TS 15

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	TS15 114 KLIPPON K21 CSS	Version
Order No.	1910020000	Rail, TS 15, Width: 114 mm, with slot, Steel, galvanized, chromium-plated
GTIN (EAN)	4032248536931	
Qty.	1 pc(s).	
Type	TS15X5 ST K21	Version
Order No.	8000003886	Rail, TS 15, Width: 114 mm, with slot, Steel, galvanic zinc plated and
GTIN (EAN)	4050118627930	passivated
Qty.	20 pc(s).	

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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 M4X6 D8/SW2	Version
Order No.	1567480000	SAK Series, Allen hex screw, Screws, Number of poles: 1
GTIN (EAN)	4008190033491	
Qty.	100 pc(s).	