

KLIPPON K31 RAL7001**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: 175 mm, Depth: 57 mm, Material: Aluminium AISi12, Powder-coated, textured, Silver grey |
| Order No. | 9529170000 |
| Type | KLIPPON K31 RAL7001 |
| GTIN (EAN) | 4008190918071 |
| Qty. | 5 pc(s). |
| Unassembled to fit rail | 1910040000 |

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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 | 175 mm | Width (inches) | 6.89 inch |
| Mounting dimension - height | 52 mm | Mounting dimension - width | 163 mm |
| Net weight | 576.6 g | | |

Temperatures

| | |
|-----------------------|----------------|
| Operating temperature | -40 °C...80 °C |
|-----------------------|----------------|

Cable glands, left

| | | | |
|-----|---|-----|---|
| M12 | 2 | M16 | 2 |
| M20 | 1 | | |

Cable glands, right

| | | | |
|-----|---|-----|---|
| M12 | 2 | M16 | 2 |
| M20 | 1 | | |

Cable glands, top/bottom

| | | | |
|-----|---|-----|---|
| M12 | 9 | M16 | 6 |
| M20 | 4 | M25 | 3 |

Certificate numbers enclosure

| | | | |
|-------------------------|------------------|---|---------------------------|
| Approval conditions | cULus, RMRS, DNV | Certificate No. (DNV) | TAE00002SM |
| Certificate no. (cULus) | E197061 | Declaration of Conformity No. (DoC LVD) | DE_PS2410_160412_001ISS01 |

General information

| | | | |
|-----------------------------|--|---------------------------------|-------------------------------------|
| Access opening: height | 72 mm | Access opening: width | 167 mm |
| Areas of use | Process industry, Transportation, Marine engineering, Packaging industry, Harbour facilities, Machine construction | Enclosure attachment | |
| Flange plate | No | Impact resistance | Holes 4 mm 10 J version standard |
| 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 |
| Max. payload | 1.4 kg | Note: protection class | IP68 (t=72h, h=1m) |
| Number of lid screws | 4 | Operating temperature, max. | 80 °C |
| Operating temperature, min. | -40 °C | Protection class (UL) | Type 4, Type 4X |
| Protection degree | IP66, IP67, IP68 | Seal material | Chloroprene |
| Standards | EN 45545-2:2013 | Surface finish | Powder-coated, textured |
| Torque for lid screws | 2.5 Nm | | |

horizontal assembly

| | | | |
|-----------------------------|------|---------------|------|
| WDU 2,5 / ZDU 2,5 / IDU 2,5 | 1x23 | WDU 4 / ZDU 4 | 1x19 |
|-----------------------------|------|---------------|------|

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Technical data

vertical assembly

WDU 2,5 / ZDU 2,5 / IDU 2,5

*

WDU 4 / ZDU 4

*

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC000261 | ETIM 7.0 | EC000261 |
| ETIM 8.0 | EC000261 | ETIM 9.0 | EC000261 |
| ECLASS 9.0 | 27-18-01-01 | ECLASS 9.1 | 27-18-92-90 |
| ECLASS 10.0 | 27-18-01-01 | ECLASS 11.0 | 27-18-01-01 |
| ECLASS 12.0 | 27-18-01-01 | ECLASS 13.0 | 27-18-01-01 |

Environmental Product Compliance

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

Approvals

Approvals



| | |
|-------------------------|------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate no. (cULus) | E197061 |

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | TAE00002SM 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 K31 RAL7001_9529170000_DE Klippon K31 RAL7001_9529170000_EN |
| User Documentation | Assembly guidelines - empty enclosures |
| Catalogues | Catalogues in PDF-format |
| Brochures | MB KLIPPON ENCL.TECN EN FL RAILWAY 2014 EN FL RAILWAY 2014 EN |

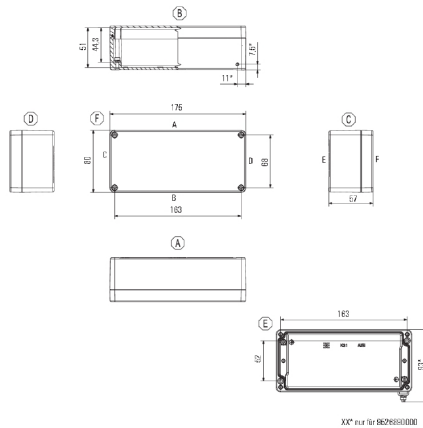
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Drawings

Dimensioned drawing



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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 K31 | Version |
| Order No. | 8000003898 | Rail, TS 35, TS 35 x 7.5, Width: 164 mm, without slot, Steel, galvanic |
| GTIN (EAN) | 4050118652604 | zinc plated and passivated |
| Qty. | 20 pc(s). | |

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 K31 STAHL | Version |
| Order No. | 3073040000 | Klippon K (aluminium empty enclosure), Mounting plate, Mounting |
| GTIN (EAN) | 4008190857974 | plate, Height: 67 mm, Width: 164 mm, Depth: 2 mm, Material: Sheet |
| Qty. | 1 pc(s). | steel, galvanized, galvanized, silver |

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www.weidmueller.com**Accessories****Spacer**

Stainless steel spacers in three lengths to increase the distance between the mounting rails or DIN rails and the rear wall of the enclosure.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | SP M6 15 MSZN | Version |
| Order No. | 3896100000 | Klippon EB (Essential Box), Spacer, Height: 11.2 mm, Width: 10 mm, |
| GTIN (EAN) | 4008190857851 | Depth: 15 mm, Material: Steel, silver |
| Qty. | 2 pc(s). | |
| Type | SP M6 30 MSZN | Version |
| Order No. | 3896300000 | Klippon EB (Essential Box), Spacer, Height: 11.2 mm, Width: 10 mm, |
| GTIN (EAN) | 4008190850241 | Depth: 30 mm, Material: Steel, silver |
| Qty. | 2 pc(s). | |
| Type | SP M6 20 MSZN | Version |
| Order No. | 3896200000 | Klippon EB (Essential Box), Spacer, Height: 11.2 mm, Width: 10 mm, |
| GTIN (EAN) | 4008190850234 | Depth: 20 mm, Material: Steel, silver |
| Qty. | 2 pc(s). | |

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). | |

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www.weidmueller.com**Accessories****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. | 1580360000 | Klippon POK (polyester empty enclosure), External joint, Hinge, |
| GTIN (EAN) | 4008190203542 | Material: Aluminium AlSi12, silver |
| Qty. | 1 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 164 KLIPPON K31 CSS | Version |
| Order No. | 1910040000 | Rail, TS 15, Width: 164 mm, without slot, Steel, galvanized, chromium-plated |
| GTIN (EAN) | 4032248536955 | |
| Qty. | 1 pc(s). | |
| Type | TS15X5 ST K31 | Version |
| Order No. | 8000003887 | Rail, TS 15, Width: 164 mm, without slot, Steel, galvanic zinc plated and passivated |
| GTIN (EAN) | 4050118652529 | |
| Qty. | 20 pc(s). | |

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Accessories

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 K31 | Version |
| Order No. | 8000073089 | Rail, TS 35, TS 35 x 15, Width: 164 mm, with slot, Steel, galvanic zinc |
| GTIN (EAN) | 4064675337003 | plated and passivated |
| Qty. | 20 pc(s). | |