

**KLIPPON K31 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: 175 mm, Depth: 57 mm, Material: Aluminium AISi12, untreated, silver |
| Order No.  | <a href="#">9526890000</a>   |
| Type       | KLIPPON K31 EX   |
| GTIN (EAN) | 4032248019106  |
| Qty.       | 1 pc(s).   |

## KLIPPON K31 EX

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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                  | 594 g  |                            |            |

## Temperatures

|                       |                 |
|-----------------------|-----------------|
| Operating temperature | -60 °C...135 °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                       | DNV, GL, RMRS, ATEX, IECEx, UL AEx Class Div., CCC, INMETRO | Attestation of Conformatiy No. (AoC)     | DE PS24 10 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_PS24 10_160412_001ISS01 |

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## Technical data

## General information

|                             |   |                                 |   |
|-----------------------------|---|---------------------------------|---|
| Access opening: height      | 72 mm   | Access opening: width           | 167 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<br>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 | 1x23 | WDU 4 / ZDU 4 | 1x19 |
|-----------------------------|------|---------------|------|

## vertical assembly

|                             |   |               |   |
|-----------------------------|---|---------------|---|
| WDU 2,5 / ZDU 2,5 / IDU 2,5 | * | WDU 4 / ZDU 4 | * |
|-----------------------------|---|---------------|---|

## Classifications

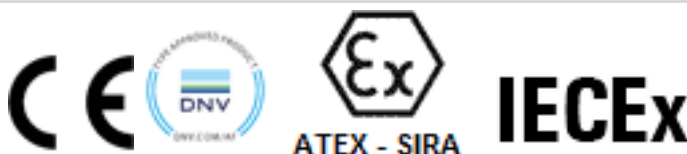
|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002503    | ETIM 7.0    | EC002503    |
| ETIM 8.0    | EC002503    | ETIM 9.0    | EC002503    |
| ECLASS 9.0  | 27-18-05-02 | ECLASS 9.1  | 27-18-05-02 |
| ECLASS 10.0 | 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><br><a href="#">UKCA TÜV 22 UKEX 7094 U</a><br><a href="#">UKCA TÜV 22 UKEX 7095 X</a><br><a href="#">Attestation of Conformity - Klippon K Empty Enclosures - AoC DE PS2410 160308 001ISS03</a><br><a href="#">IBEXU12ATEX1145X</a><br><a href="#">IECEXIBE13.0001U</a><br><a href="#">IECEXIBE13.0002X</a><br><a href="#">TAE00002SM</a><br><a href="#">IBEXU12ATEX1144U</a><br><a href="#">INMETRO LMP 23.0527X - Teminal Box CAIXAS DE JUNÇÃO KLIPPON K</a><br><a href="#">INMETRO CERTIFICADO LMP 23.0526U - INVÓLUCROS VAZIOS Empty Enclosure KLIPPON K</a><br><a href="#">EU Declaration of Conformity - Klippon K Empty Enclosures - DoC DE PS2410 160412 001ISS02</a><br><a href="#">DoM Klippon K salt water resistance</a><br><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><br><a href="#">Technische Änderung für Klippon® K Gehäuse</a><br><a href="#">20240315-PCN-Klippon K Enclosure Instruction</a>   |
| Tender specification                        | <a href="#">Klippon K31 Ex_9526890000_DE</a><br><a href="#">Klippon K31 Ex_9526890000_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><br><a href="#">MB KLIPPON ENCL.TECN EN</a><br><a href="#">MB PROCESS EN</a><br><a href="#">FL RAILWAY 2014 EN</a><br><a href="#">FL RAILWAY 2014 EN</a>   |

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XX\* nur für 862680000

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[www.weidmueller.com](http://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 K31 STAHL             | Version   |
|------------|----------------------------|---|
| Order No.  | <a href="#">3073040000</a> | 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                             |

**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.  | <a href="#">8000073089</a> | 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).                  |   |

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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.  | <a href="#">1285200000</a> | 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.  | <a href="#">1252190000</a> | 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.  | <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 7.5 mm



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

## General ordering data

|            |                            |  |
|------------|----------------------------|--|
| Type       | TS35X7.5 ST K31            | Version  |
| Order No.  | <a href="#">8000003898</a> | 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).                  |  |

## 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.  | <a href="#">1910040000</a> | 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.  | <a href="#">8000003887</a> | Rail, TS 15, Width: 164 mm, without slot, Steel, galvanic zinc plated        |
| GTIN (EAN) | 4050118652529              | and passivated   |
| Qty.       | 20 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 M4X6 D8/SW2           | Version   |
| Order No.  | <a href="#">1567480000</a> | SAK Series, Allen hex screw, Screws, Number of poles: 1 |
| GTIN (EAN) | 4008190033491              |   |
| Qty.       | 100 pc(s).                 |   |