

**KLIPPON K51 EX RAL7001****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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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, Powder-coated, Silver grey |
| Order No.  | <a href="#">1328130000</a>   |
| Type       | KLIPPON K51 EX RAL7001   |
| GTIN (EAN) | 4050118132793  |
| Qty.       | 1 pc(s).   |

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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 |
|-----------------------|-----------------|

**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 Conformity No. (AoC)       | DE PS2410 160308 001ISS01 |
| Certificate No. (ATEX)                  | IBEXU12ATEX1144U  | 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_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<br>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               | Silicone  | Standards                       | IEC 60079-0, IEC 60079-7, IEC 60079-31, EN 45545-2:2013 |
| Surface finish              | Powder-coated   | 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 | * |
|-----------------------------|---|---------------|---|

## 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](http://www.weidmueller.com)**Technical data****Downloads**

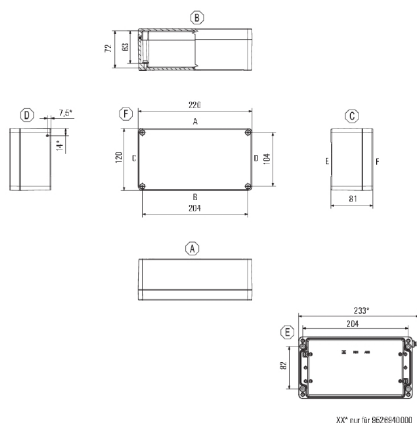
|   |   |
|---|---|
| Approval/Certificate/Document of Conformity | <a href="#">CCC 2020322303000040 Klippon K Assembly Enclosure</a><br><a href="#">UKCA TÜV 22 UKEX 7094 U</a><br><a href="#">UKCA TÜV 22 UKEX 7095 X</a><br><a href="#">IBEXU12ATEX1145X</a><br><a href="#">IECEXIBE13.0001U</a><br><a href="#">IECEXIBE13.0002X</a><br><a href="#">TAE00002SM</a><br><a href="#">IBEXU12ATEX1144U</a><br><a href="#">INMETRO LMP 23.0527X - Terminal 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="#">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 K51 Ex RAL7001_1328130000_DE</a><br><a href="#">Klippon K51 Ex RAL7001_1328130000_EN</a>  |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>  |
| Brochures                                   |   |

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[www.weidmueller.com](http://www.weidmueller.com)**Drawings****Dimensioned drawing**

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[www.weidmueller.com](http://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 TS15
- Mounting plates
- Hinges
- Wall-mounted holder

**General ordering data**

|            |                            |  |
|------------|----------------------------|--|
| Type       | TS35X7.5 ST K51            | 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).                   |  |

**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).                  |   |

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

**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

## 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).                   |  |