

## KLIPPON K31

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, EAC, cULus, Russian Maritime Register 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 AlSi12, untreated, silver |
| Order No.               | <a href="#">0573500000</a>                                                                                                                                             |
| Type                    | KLIPPON K31                                                                                                                                                            |
| GTIN (EAN)              | 4008190471385                                                                                                                                                          |
| Qty.                    | 5 pc(s).                                                                                                                                                               |
| Unassembled to fit rail | <a href="#">1910040000</a>                                                                                                                                             |

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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     |
| Weight                      | 520 g  | Net weight                 | 569.6 g    |

## Temperatures

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

## Environmental Product Compliance

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

## 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. (DNVGL)                | TAE00002SM           |
| Certificate No. (EAC)                   | C-DE.HB07.B.00089-20                      | Certificate No. (GERMLLOYD)            | TAE00002SM           |
| Certificate No. (MARITREG)              | 19.00108.272                              | Certificate no. (cULus)                | E197061              |
| Certificate no. Terminal Box (EAC)      | C-DE.AJ54.B.00251/19<br>Ind. Terminal Box | Certificate no., empty enclosure (EAC) | C-DE.HB07.B.00089/20 |
| Declaration of Conformity No. (DoC LVD) | DE_PS2410_160412_001ISS01                 |                                        |                      |

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## Technical data

## General information

|                                 |                                                                                                                                |                             |                                                  |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------------------------------------|
| Access opening: height          | 72 mm                                                                                                                          | Access opening: width       | 167 mm                                           |
| Areas of use                    | Process industry,<br>Transportation, Marine<br>engineering, Packaging<br>industry, Harbour facilities,<br>Machine construction | Enclosure attachment        |                                                  |
| Flange plate                    | No                                                                                                                             | Halogen                     | Holes 4 mm<br>No (only contained in the<br>seal) |
| Impact resistance               | 10.00 J                                                                                                                        | Integral fixing             | Threaded holes M4                                |
| Lid                             | Yes                                                                                                                            | Lid attachment              | M4 torx stainless steel<br>screws with slot      |
| Material                        | Aluminium AlSi12                                                                                                               | Material thickness of cover | 2.5 mm                                           |
| Material thickness of enclosure | 4 mm                                                                                                                           | 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              | 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    | EC000261    | ETIM 7.0    | EC000261    |
| ETIM 8.0    | 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 |             |             |

## Approvals

Approvals



|                       |         |
|-----------------------|---------|
| ROHS                  | Conform |
| UL File Number Search | E197061 |

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

|                                             |                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">C-DE.AJ54.B.00251.19 Ind. Terminal Box</a><br><a href="#">RUC-DE.BE02.B.00173</a><br><a href="#">TAE00002SM</a><br><a href="#">19.00108.272</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="#">STEP</a>                                                                                                                                                                                                                                                                                                                                                                     |
| Engineering Data                            | <a href="#">EPLAN, WSCAD</a>                                                                                                                                                                                                                                                                                                                                                             |
| Tender specification                        | <a href="#">Klippon K31_0573500000_DE</a><br><a href="#">Klippon K31_0573500000_EN</a>                                                                                                                                                                                                                                                                                                   |
| User Documentation                          | <a href="#">Assembly guidelines - empty enclosures</a>                                                                                                                                                                                                                                                                                                                                   |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                                                                                                                                                                                                                                                                                 |
| Brochures                                   | <a href="#">MB KLIPPON ENCL.TECN EN</a><br><a href="#">FL RAILWAY 2014 EN</a><br><a href="#">FL RAILWAY 2014 EN</a>                                                                                                                                                                                                                                                                      |

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## Drawings

### Dimensioned drawing

