

KLIPPON K61 EX
Weidmüller Interface GmbH & Co. KG

 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com


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 to 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: 160 mm, Width: 260 mm, Depth: 91 mm, Basic material: Aluminium AlSi12, untreated, silver |
| Order No. | 9526970000 |
| Type | KLIPPON K61 EX |
| GTIN (EAN) | 4008190974824 |
| Qty. | 1 items |

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Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

| | | | |
|-----------------------------|----------|----------------------------|--------------|
| Depth | 91 mm | Depth (inches) | 3.5827 inch |
| Height | 160 mm | Height (inches) | 6.2992 inch |
| Width | 260 mm | Width (inches) | 10.2362 inch |
| Mounting dimension - height | 110 mm | Mounting dimension - width | 240 mm |
| Net weight | 1918.4 g | | |

Temperatures

Operating temperature -60 °C...135 °C

Environmental Product Compliance

RoHS Compliance Status Compliant without exemption
 REACH SVHC No SVHC above 0.1 wt%

Cable glands, left

| | | | |
|-----|---|-----|---|
| M12 | 8 | M16 | 6 |
| M32 | 1 | M25 | 2 |
| M20 | 3 | M40 | 1 |

Cable glands, right

| | | | |
|-----|---|-----|---|
| M25 | 2 | M16 | 6 |
| M40 | 1 | M32 | 1 |
| M20 | 3 | M12 | 8 |

Cable glands, top/bottom

| | | | |
|-----|----|-----|----|
| M20 | 13 | M12 | 27 |
| M40 | 3 | M32 | 4 |
| M25 | 8 | M16 | 23 |

Certificate numbers enclosure

| | | | |
|---|---------------------------|--|---|
| Declaration of Conformity No. (DoC LVD) | DE PS2410 160412 001ISS03 | Attestation of Conformity No. (AoC) | DE PS2410 160308 001ISS03 |
| Certificate no. empty enclosure (INMETRO) | LMP 23.0526U | Certificate No. (DNV) | TAE00002SM |
| Certificate no. Terminal Box (ATEX) | IBExU12ATEX1145 X | Certificate no. empty enclosure (ATEX) | IBExU12ATEX1144 U |
| Certificate no. Terminal Box (INMETRO) | LMP 23.0527X | Certificate no. Terminal Box (IECEX) | IECEX IBE 13.0002X |
| Certificate no. empty enclosure (IECEX) | IECEX IBE 13.0001U | Certificate No. (IECEX) | IECEXIBE13.0001U |
| Certificate No. (ATEX) | IBEXU12ATEX1145X | Approval conditions | DNV, GL, RMRS, ATEX, IECEX, UL AEx Class Div., CCC, INMETRO |

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Technical data

General information

| | | | |
|-----------------------------|--|---------------------------------|---|
| Material thickness of cover | 4 mm | Material thickness of enclosure | 4.5 mm |
| Operating temperature, max. | 135 °C | Operating temperature, min. | -60 °C |
| Lid attachment | M6 torx stainless steel screws with slot | Standards | IEC 60079-0, IEC 60079-7, IEC 60079-31, EN 45545-2:2013 |
| Surface finish | untreated | Impact resistance | 7 J ATEX version |
| Protection degree | IP66, IP67 | Basic material | Aluminium AlSi12 |
| Seal material | Silicone | Torque for lid screws | 2.5 Nm |
| Integral fixing | Threaded holes M5 | Enclosure attachment | Holes 6 mm |
| Number of lid screws | 4 | Access opening: width | 251 mm |
| Flange plate | No | Lid | Yes |
| Access opening: height | 151 mm | Areas of use | Explosive risk zone, Process industry, Transportation, Packaging industry, Marine engineering, Machine construction, Harbour facilities |

horizontal assembly

| | | | |
|-----------------------------|------|-----------------|------|
| WDU 10 / ZDU 10 | 1x20 | WDU 16 / ZDU 16 | 1x16 |
| WDU 2,5 / ZDU 2,5 / IDU 2,5 | 1x39 | WDU 4 / ZDU 4 | 1x33 |
| WDU 6 / ZDU 6 | 1x24 | | |

vertical assembly

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

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC002503 | ETIM 9.0 | EC002503 |
| ETIM 10.0 | EC002503 | ECLASS 14.0 | 27-18-05-02 |
| ECLASS 15.0 | 27-18-05-02 | | |

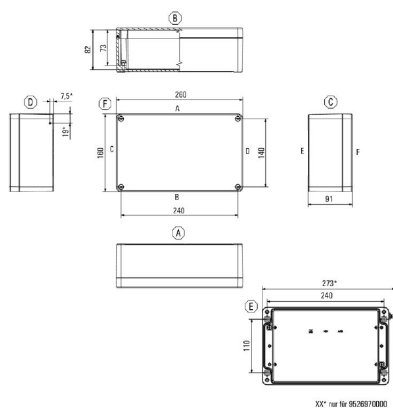
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Drawings

Dimensioned drawing



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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

Weidmüller can manufacture and supply this enclosure - according to customer specifications - fitted with all necessary terminals and cable glands.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | HG K+POK | Version |
| Order No. | 1580360000 | Klippon POK (polyester empty enclosure), External joint, Hinge, Basic |
| GTIN (EAN) | 4008190203542 | material: Aluminium AlSi 12, silver |
| Qty. | 1 ST | |

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

Weidmüller can manufacture and supply this enclosure - according to customer specifications - fitted with all necessary terminals and cable glands.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | MOPL K61 STAHL | Version |
| Order No. | 3073120000 | Klippon K (aluminium empty enclosure), Mounting plate, Mounting |
| GTIN (EAN) | 4008190858056 | plate, Height: 145 mm, Width: 245 mm, Depth: 2 mm, Basic material: |
| Qty. | 1 ST | Sheet steel, galvanized, galvanized, silver |

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

Weidmüller can manufacture and supply this enclosure - according to customer specifications - fitted with all necessary terminals and cable glands.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | TS35/243 KLIPPON K61POK6 | Version |
| Order No. | 1910120000 | Rail, TS 35, TS 35 x 7.5, Width: 239 mm, without slot, Steel, |
| GTIN (EAN) | 4032248537037 | galvanized, chromium-plated |
| Qty. | 1 ST | |

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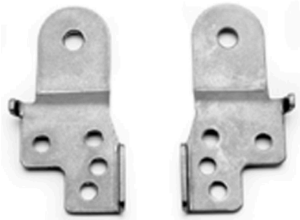
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Accessories

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

Weidmüller can manufacture and supply this enclosure - according to customer specifications - fitted with all necessary terminals and cable glands.

General ordering data

| Type | KLIPPON K MF KIT 25 | Version |
|------------|----------------------------|--|
| Order No. | 9527590000 | Klippon K (aluminium empty enclosure), Mounting foot, Fixing lugs, |
| GTIN (EAN) | 4032248014071 | Height: 70 mm, Width: 33.5 mm, Depth: 12 mm, Basic material: |
| Qty. | 1 ST | Stainless steel 1.4301, silver |

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 | TPSD FIXING SET KTB | Version |
|------------|----------------------------|--|
| Order No. | 1252190000 | Klippon TB (Terminal Box), Type plate fixings set, Basic material: |
| GTIN (EAN) | 4050118043969 | Stainless steel, rust-proof, untreated, silver |
| Qty. | 20 ST | |
| 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, Basic material: Stainless steel, |
| Qty. | 1 ST | rust-proof, untreated, silver |

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Accessories

Mounting support



We offer a broad portfolio of mounting support for easy handling and supplementation of our products. From various tools to insulating sleeves and various screws, our components are matched to each other down to the last detail and thus facilitate assembly in compliance with the respective standards and protective regulations.

General ordering data

| | | | |
|------------|----------------------------|---|--|
| Type | FKSC M5X8 D9/SW2.5 | Version | |
| Order No. | 0295900000 | SAK Series, Allen hex screw, Screws, Number of poles: 1 | |
| GTIN (EAN) | 4008190133337 | | |
| Qty. | 50 ST | | |

Depth 7.5 mm



The Klippon® POK enclosure range is made from a high-quality glass fibre reinforced polyester and is ideal for applications and environments where corrosion resistance, impact resistance and a high IP protection class are a requirement.

Key features of the extensive product range:

- Available in 17 sizes
- Two standard finishes (colours): grey (similar to RAL 7001 for industrial use) and black (similar to RAL 9011 for harsh environments, Ex)
- Cover with stainless steel screws in cross-head / slotted design
- Moulded gasket made of silicone or chloroprene
- Fixing holes outside the sealed area to ensure high ingress protection of IP66
- Impact resistance up to 7 Joules
- Mounting directly in the enclosure or using an internal mounting plate
- Direct wall mounting possible using fixing holes or mounting feet
- Fastening thread to attach mounting rails and plates
- Up to E60 fire rating dependent on the configuration
- Weidmüller can manufacture and supply this enclosure to match customer specifications - fitted with all necessary terminals and cable glands.

General ordering data

| | | | |
|------------|----------------------------|--|--|
| Type | TS35X7.5 ST POK 1626 | Version | |
| Order No. | 8000003909 | Rail, TS 35, TS 35 x 7.5, Width: 243 mm, without slot, Steel, galvanic | |
| GTIN (EAN) | 4050118652673 | zinc plated and passivated | |
| Qty. | 20 ST | | |
| Type | TS35X7.5 ST K61 | Version | |
| Order No. | 8000037567 | Rail, TS 35, TS 35 x 7.5, Width: 243 mm, with slot, Steel, galvanized, | |
| GTIN (EAN) | 4050118653298 | chromium-plated | |
| Qty. | 20 ST | | |

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Germanywww.weidmueller.com**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

Weidmüller can manufacture and supply this enclosure - according to customer specifications - fitted with all necessary terminals and cable glands.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | TS35X15 ST K61 | Version |
| Order No. | 8000073097 | Rail, TS 35, TS 35 x 15, Width: 243 mm, with slot, Steel, galvanic zinc |
| GTIN (EAN) | 4064675340508 | plated and passivated |
| Qty. | 20 ST | |