# KLIPPON POK 161609

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

## Similar to illustration



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

| | |
|---|---|
| Version | Klippon POK (polyester empty enclosure), Empty enclosure, Height: 160 mm, Width: 160 mm, Depth: 90 mm, Material: Glass fibre-reinforced polyester, untreated, polished, Silver grey |
| Order No. | 1305890000 |
| Type | KLIPPON POK 161609 |
| GTIN (EAN) | 4050118108354 |
| Qty. | 1 pc(s). |
| Required tool | 9008540000 |

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## Technical data

### Dimensions and weights

| | | | |
|---|---|---|---|
| Depth | 90 mm | Depth (inches) | 3.543 inch |
| Height | 160 mm | Height (inches) | 6.299 inch |
| Height of lowest version | 90 mm | Width | 160 mm |
| Width (inches) | 6.299 inch | Mounting dimension - height | 110 mm |
| Mounting dimension - width | 140 mm | Net weight | 1,275.333 g |

### Temperatures

| | |
|---|---|
| Operating temperature | -40 °C...100 °C |

### Cable glands, left

| | | | |
|---|---|---|---|
| M12 | 11 | M16 | 6 |
| M20 | 4 | M25 | 2 |
| M32 | 2 | M40 | 1 |

### Cable glands, right

| | | | |
|---|---|---|---|
| M12 | 11 | M16 | 6 |
| M20 | 4 | M25 | 2 |
| M32 | 2 | M40 | 1 |

### Cable glands, top/bottom

| | | | |
|---|---|---|---|
| M12 | 15 | M16 | 12 |
| M20 | 6 | M25 | 3 |
| M32 | 2 | M40 | 2 |

### Certificate numbers enclosure

| | | | |
|---|---|---|---|
| Approval conditions | cULus, LR, DNV | Certificate No. (DNV) | TAE00002R2 |
| Certificate no. (cULus) | E256877 | Declaration of Conformatiy No. (DoC LVD) | DE_PS2401_160412_001ISS01 |

### General information

| | | | |
|---|---|---|---|
| Access opening: height | 148.02 mm | Access opening: width | 148.02 mm |
| Areas of use | Harbour facilities, Machine construction, Process industry, Transportation | Enclosure attachment | Installation through the housing rear wall, Fixing lugs |
| Flange plate | No | Impact resistance | 5 J version standard |
| Lid | Yes | Lid attachment | Slotted/Phillips screws |
| Material | Glass fibre-reinforced polyester | Material thickness of cover | 5.4 mm |
| Material thickness of enclosure | 5.99 mm | Max. payload | 10.24 kg |
| Number of lid screws | 4 | Operating temperature, max. | 100 °C |
| Operating temperature, min. | -40 °C | Protection class (UL) | Type 4, Type 4X |
| Protection degree | IP66 | Seal material | Chloroprene |
| Standards | DIN EN 62208 - Empty enclosure standard, DIN 4102-12 | Surface finish | untreated, polished |
| Torque for lid screws | 2.5 Nm | UL 94 flammability rating | V-0 |

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## Technical data

### horizontal assembly

| | | | |
|---|---|---|---|
| WDU 10 / ZDU 10 | 1x9 | WDU 16 / ZDU 16 | 1x7 |
| WDU 2,5 / ZDU 2,5 / IDU 2,5 | 1x17 | WDU 4 / ZDU 4 | 1x14 |
| WDU 6 / ZDU 6 | 1x11 | | |

### 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 | afb385d0-c52b-4449-8502-203596817ab0 |

### Important note

| | |
|---|---|
| Product information | The fire rating up to E60 acc. to DIN 4102-12 depends on concrete configurations / installations (details see “Declaration of Manufacturer” in “Downloads”) |

### Approvals

| | |
|---|---|
| Approvals | |
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate no. (cULus) | E256877 |

### Downloads

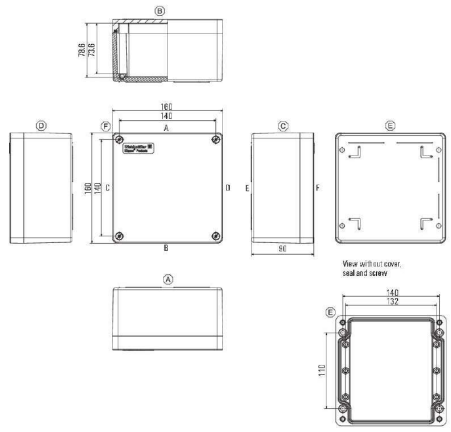
| | |
|---|---|
| Approval/Certificate/Document of Conformity | 14_20001<br>TAE00002R2<br>MPA NRW Certificate - fire rated assembled boxes acc. to DIN 4102-12<br>EU Declaration of Conformity - Klippon POK Empty Enclosures IND - DoC DE PS2401 160412 001ISS02 |
| Engineering Data | CAD data – STEP |
| Tender specification | Klippon POK 161609_1305890000_DE<br>Klippon POK 161609_1305890000_EN |
| User Documentation | Assembly guidelines - empty enclosures |
| Catalogues | Catalogues in PDF-format |
| Brochures | MB KLIPPON ENCL.TECN EN<br>FL KLIPPON POK EN<br>FL SHIPBUILDING 2016 EN<br>FL SHIPBUILDING 2016 EN |

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## Drawings



# KLIPPON POK 161609

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

### Klippon® POK earthing plates



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.
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- 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 | KLIPPON COPL 161609 | Version |
| Order No. | 1390990000 | Klippon POK (polyester empty enclosure), Earthing plate, |
| GTIN (EAN) | 4050118191097 | Miscellaneous, Height: 60.5 mm, Width: 239 mm, Depth: 0.8 mm, |
| Qty. | 5 pc(s). | Material: Brass, polished, untreated |

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## Accessories

### Klippon® POK mounting plates in combination with earthing plates



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- 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 | POK MOPL 1616 MINI | Version |
| Order No. | 1534360000 | Klippon POK (polyester empty enclosure), Mounting plate, Height: |
| GTIN (EAN) | 4050118338119 | 113 mm, Width: 142.5 mm, Depth: 1.5 mm, Material: Sheet steel, |
| Qty. | 1 pc(s). | 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 TS15
- Mounting plates
- Hinges
- Wall-mounted holder

#### General ordering data

| | | |
|---|---|---|
| Type | TS35X7.5 ST K52 | Version |
| Order No. | 8000003908 | Rail, TS 35, TS 35 x 7.5, Width: 140 mm, without slot, Steel, galvanic |
| GTIN (EAN) | 4050118652659 | zinc plated and passivated |
| Qty. | 20 pc(s). | |

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## Accessories

### Spacer



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

### General ordering data

| | | |
|---|---|---|
| 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). | |
| 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). | |

### Ventilation plugs - DAE



In addition to cable glands for a wide range of applications, the product portfolio is rounded off by plugs, pressure compensation elements, adaptors and the corresponding accessories such as locknuts, sealing rings, flat washers and earthing rings.

### General ordering data

| | | |
|---|---|---|
| Type | DAE M12 SS | Version |
| Order No. | 1868550000 | DAE (ventilation element), Compensating element, straight, M 12, 10 |
| GTIN (EAN) | 4032248440405 | mm, IP66, IP68, IP69K, Stainless steel 1.4305 (303) |
| Qty. | 10 pc(s). | |
| Type | DAE M12 PA LONG | Version |
| Order No. | 1868570000 | DAE (ventilation element), Compensating element, straight, M 12, 10 |
| GTIN (EAN) | 4032248440429 | mm, IP66, IP68, IP69K, Polyamide 6 |
| Qty. | 10 pc(s). | |

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## Accessories

### Klippon® POK standard mounting plates



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- 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 | POK MOPL 1616 | Version |
| Order No. | 9510610000 | Klippon POK (polyester empty enclosure), Mounting plate, Height: |
| GTIN (EAN) | 4008190498245 | 143 mm, Width: 145 mm, Depth: 1.5 mm, Material: Sheet steel, |
| Qty. | 1 pc(s). | galvanized, Miscellaneous, silver |

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## Accessories

### Klippon® POK mounting feet



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.
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- 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 | MF POK BIG | Version |
| Order No. | 9510910000 | Klippon POK (polyester empty enclosure), Mounting foot, Fixing lugs, |
| GTIN (EAN) | 4032248009756 | Height: 16 mm, Width: 51 mm, Depth: 6 mm, Material: Stainless steel |
| Qty. | 1 pc(s). | 1.4301, Miscellaneous |

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## Accessories

### Klippon® POK installation material



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.
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- 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 | SD FIXING SET POK | Version |
| Order No. | 1463490000 | Klippon POK (polyester empty enclosure), Identification plate fixing |
| GTIN (EAN) | 4050118299878 | set, Height: 12 mm, Width: 12 mm, Depth: 16.4 mm, Material: |
| Qty. | 1 pc(s). | Stainless steel 1.4305 (303), untreated |

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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 | FKSC M6X8 D9/SW3 | Version |
| Order No. | 0642600000 | Klippon TB (Terminal Box), Mounting screw, Material: Steel |
| GTIN (EAN) | 4008190058258 | |
| Qty. | 50 pc(s). | |

### Spacer



**Integrate, expand and customise: The ideal expansion for every application**
The consistent structure of accessories for the new Klippon® TB enclosure range means that you can easily adapt the enclosure to the specific requirements of each application.
**Spacer**
Stainless steel spacers in four 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 10 S2 | Version |
| Order No. | 0935110000 | Klippon TB (Terminal Box), Spacer, Height: 11.2 mm, Width: 10 mm, |
| GTIN (EAN) | 4032248699049 | Depth: 10 mm, Material: Stainless steel 1.4305 (303) |
| Qty. | 4 pc(s). | |
| Type | SP M6 15 S2 | Version |
| Order No. | 0935120000 | Klippon TB (Terminal Box), Spacer, Height: 11.2 mm, Width: 10 mm, |
| GTIN (EAN) | 4032248699056 | Depth: 15 mm, Material: Stainless steel 1.4305 (303) |
| Qty. | 4 pc(s). | |

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## Accessories

| | | |
|---|---|---|
| Type | SP M6 30 S2 | Version |
| Order No. | 0935140000 | Klippon TB (Terminal Box), Spacer, Height: 11.2 mm, Width: 10 mm, |
| GTIN (EAN) | 4032248699117 | Depth: 30 mm, Material: Stainless steel 1.4305 (303) |
| Qty. | 4 pc(s). | |
| Type | SP M6 20 S2 | Version |
| Order No. | 0935130000 | Klippon TB (Terminal Box), Spacer, Height: 11.2 mm, Width: 10 mm, |
| GTIN (EAN) | 4032248699001 | Depth: 20 mm, Material: Stainless steel 1.4305 (303) |
| Qty. | 4 pc(s). | |

### Earthing stud

Accessories



### General ordering data

| | | |
|---|---|---|
| Type | PEBZ M10 S4 SET | Version |
| Order No. | 1283440000 | Klippon POK (polyester empty enclosure), Earthing stud, |
| GTIN (EAN) | 4050118073362 | Miscellaneous, Height: 21 mm, Width: 21 mm, Depth: 48.7 mm, |
| Qty. | 1 pc(s). | Material: Stainless steel 1.4404 (316L) |
| Type | PEBZ M10 BR SET | Version |
| Order No. | 1277220000 | Klippon POK (polyester empty enclosure), Earthing stud, |
| GTIN (EAN) | 4050118067019 | Miscellaneous, Height: 21 mm, Width: 21 mm, Depth: 48.7 mm, |
| Qty. | 1 pc(s). | Material: Brass |
| Type | PEBZ M6 S4 SET | Version |
| Order No. | 1283430000 | Klippon POK (polyester empty enclosure), Earthing stud, |
| GTIN (EAN) | 4050118073607 | Miscellaneous, Height: 12.3 mm, Width: 12.3 mm, Depth: 42 mm, |
| Qty. | 1 pc(s). | Material: Stainless steel 1.4404 (316L) |
| Type | PEBZ M6 BR SET | Version |
| Order No. | 1277250000 | Klippon POK (polyester empty enclosure), Earthing stud, |
| GTIN (EAN) | 4050118067149 | Miscellaneous, Height: 12.3 mm, Width: 12.3 mm, Depth: 42 mm, |
| Qty. | 1 pc(s). | Material: Brass |

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## Accessories

### Depth 15 mm



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- 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 | TS35X15 ST POK 1616 | Version |
| Order No. | 8000073210 | Rail, TS 35, TS 35 x 15, with slot, Steel, galvanic zinc plated and |
| GTIN (EAN) | 4064675356578 | passivated |
| Qty. | 20 pc(s). | |