

Klippon K (aluminium empty enclosure) KLIPPON K6

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
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 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

| | |
|------------|--|
| Type | KLIPPON K6 |
| Order No. | 0342500000 |
| Version | Klippon K (aluminium empty enclosure), Empty enclosure, Aluminium enclosure, Height: 160 mm, Width: 200 mm, Depth: 100 mm, Material: Aluminium AlSi12, untreated, silver |
| GTIN (EAN) | 4008190059804 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|----------------------------|---------|-----------------------------|------------|
| Width | 200 mm | Width (inches) | 7.874 inch |
| Height | 160 mm | Height (inches) | 6.299 inch |
| Depth | 100 mm | Depth (inches) | 3.937 inch |
| Mounting dimension - width | 180 mm | Mounting dimension - height | 140 mm |
| Weight | 2,000 g | Net weight | 1,800 g |

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

Cable glands, left

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

Cable glands, right

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

Cable glands, top/bottom

| | | | |
|-----|----|-----|----|
| M12 | 17 | M16 | 12 |
| M20 | 7 | M25 | 4 |
| M32 | 3 | M40 | 2 |

Certificate numbers enclosure

| | | | |
|---|---------------------------|-----------------------------|---------------------|
| Declaration of Conformity No. (DoC LVD) | DE_PS2410_160412_001ISS01 | Certificate No. (GERMLLOYD) | TAE00002SM |
| Certificate No. (MARITREG) | 19.00108.272 | Certificate no. (cULus) | E197061 |
| Certificate No. (DNVGL) | TAE00002SM | Certificate No. (EAC) | RUC-DE.BE02.B.00173 |

General information

| | | | |
|-----------------------------|--|---------------------------------|--|
| Areas of use | Process industry, Transportation, Marine engineering, Packaging industry, Harbour facilities, Machine construction | Material thickness | 4.6 mm |
| Material thickness of cover | 3 mm | Material thickness of enclosure | 4.6 mm |
| Standards | EN 45545-2:2013 | Torque for lid screws | 2.5 Nm |
| Material | Aluminium AISi12 | Seal material | Chloroprene |
| Surface finish | untreated | Operating temperature, min. | -40 °C |
| Operating temperature, max. | 80 °C | Impact resistance | 10.00 J |
| Protection degree | IP66, IP67, IP68 | Note: protection class | IP68 (t=72h, h=1m) |
| Enclosure attachment | Holes 6 mm | Lid attachment | M5 torx stainless steel screws with slot |
| Integral fixing | Threaded holes M5 | | |

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Technical data**horizontal assembly**

| | | | |
|-----------------------------|------|-----------------|------|
| WDU 10 / ZDU 10 | 1x12 | WDU 16 / ZDU 16 | 1x10 |
| WDU 2,5 / ZDU 2,5 / IDU 2,5 | 1x25 | WDU 4 / ZDU 4 | 1x21 |
| WDU 6 / ZDU 6 | 1x16 | | |

vertical assembly

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

Classifications

| | | | |
|-------------|-------------|------------|-------------|
| ETIM 6.0 | EC000261 | ETIM 7.0 | EC000261 |
| eClass 9.0 | 27-18-01-01 | eClass 9.1 | 27-18-92-90 |
| eClass 10.0 | 27-18-01-01 | UNSPSC | 31-26-15-02 |

Approvals

Approvals



ROHS

Conform

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | RUC-DE.BE02.B.00173 TAE00002SM 19.00108.272 EU Declaration of Conformity - Klippon K Empty Enclosures - DoC DE PS2410_160412_001ISS01 |
| Brochure/Catalogue | MB KLIPPON ENCL.TECN EN CAT 5 ENCL 17/18 EN FL RAILWAY 2014 EN |
| Engineering Data | EPLAN.WSCAD |
| Engineering Data | STEP |
| Tender specification | Klippon K6_0342500000_DE Klippon K6_0342500000_EN |
| User Documentation | Assembly guidelines - empty enclosures |

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Drawings**Dimensioned drawing**