

Klippon K (aluminium empty enclosure) KLIPPON K51 VMO RAL7001

Weidmüller Interface GmbH & Co. KG
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The Klippon® brand has long stood for competence and quality in housings – particularly when turnkey, customer-specific solutions for standard industrial applications and applications in explosive risk zones are concerned.

Improved products that meet all application requirements: this was Weidmüller's aim when modernising and upgrading the Klippon® K enclosure series. 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.

- Available in two surface finishes: natural and powder-coated (RAL 7001)
- Available with moulded silicone or chloroprene gasket as standard
- Uniform Torx slotted screw head for 19 enclosure sizes
- Mounting holes outside of the gasket area
- High IP protection classes: IP66, IP67 and IP68
- Impact resistance of up to 7 (10) Joules
- The enclosures are approved according ATEX, IECEx, GOST Ex, GOST, cULus, Russian Maritime Register and Germanischer Lloyd as well as the empty enclosure standard.
- Alloy is resistant to salt water
- Standardised distributor enclosures with threaded holes and a variety of terminal configurations

General ordering data

| | |
|------------|--|
| Type | KLIPPON K51 VMO RAL7001 |
| Order No. | 1937750000 |
| Version | Klippon K (aluminium empty enclosure), Empty enclosure, Aluminium enclosure, Height: 120 mm, Width: 220 mm, Depth: 81 mm, Material: Aluminium AISi12, Powder-coated, textured, Silver grey |
| GTIN (EAN) | 4032248609291 |
| Qty. | 1 pc(s). |

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Technical data
Dimensions and weights

| | | | |
|----------------------------|---------|-----------------------------|------------|
| Width | 220 mm | Width (inches) | 8.661 inch |
| Height | 120 mm | Height (inches) | 4.724 inch |
| Depth | 81 mm | Depth (inches) | 3.189 inch |
| Mounting dimension - width | 204 mm | Mounting dimension - height | 82 mm |
| Net weight | 1,411 g | | |

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

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

| | | | |
|-----------------------------|------------|----------------------------|--------------|
| Certificate No. (GERMLLOYD) | TAE00002SM | Certificate No. (MARITREG) | 14.40040.250 |
| Certificate no. (cULus) | E197061 | | |

General information

| | | | |
|-----------------------------|--|---------------------------------|--|
| Areas of use | Process industry, Transportation, Marine engineering, Packaging industry, Harbour facilities, Machine construction | Material thickness | 4.5 mm |
| Material thickness of cover | 4 mm | Material thickness of enclosure | 4.5 mm |
| Material | Aluminium AlSi12 | Seal material | Silicone |
| Surface finish | Powder-coated, textured | Operating temperature, min. | -60 °C |
| Operating temperature, max. | 135 °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 | M6 torx stainless steel screws with slot |
| Integral fixing | Threaded holes M5 | | |

horizontal assembly

| | | | |
|-----------------|------|-----------------------------|------|
| WDU 10 / ZDU 10 | 1x15 | WDU 2,5 / ZDU 2,5 / IDU 2,5 | 1x31 |
| WDU 4 / ZDU 4 | 1x26 | WDU 6 / ZDU 6 | 1x19 |

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Technical data

vertical assembly

WDU 2,5 / ZDU 2,5 / IDU 2,5

*

WDU 4 / ZDU 4

*

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 4.0 | EC002600 | ETIM 5.0 | EC002600 |
| ETIM 6.0 | EC000261 | eClass 6.2 | 27-14-91-07 |
| eClass 7.1 | 27-14-91-07 | eClass 8.1 | 27-14-91-07 |
| eClass 9.0 | 27-18-01-01 | eClass 9.1 | 27-18-92-90 |

Approvals

Approvals



ROHS

Conform

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | 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 | STEP |
| Tender specification | Klippon K51 VMO RAL7001_1937750000_DE Klippon K51 VMO RAL7001_1937750000_EN |
| User Documentation | MB KLIPPON ENCL.TECN DE Assembly guidelines - empty enclosures |

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Drawings**Dimensioned drawing**