# HV4000/2-M12 F

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

www.weidmueller.com

The efficient and reliable distribution of electrical power in a challenging environment requires interface solutions that are optimally designed for the special characteristics of a particular application. Perfect interplay is what you get with our high-current terminal solutions combined with Klippon® Protect enclosures in a weather-proof design.

Our HV 2700 und HV 4000 high-voltage terminals provide you with a modular and scalable system which, thanks to the ring cable lug connection system, is a globally recognised and proven railway technology and easy to install anywhere in the world. The products are tested and comply with the requirements of the technical standards EN 50155, EN 50124-1, EN 45545 and IEC 61373. Our products are subject to ongoing product monitoring and development.
We have put together a small selection for you, but we are happy to configure a bespoke solution.

**Customised installation**
The challenges for the future are reducing costs and increasing efficiency. This requires intelligent, individual solutions which are tailored to your requirements. In our application spectrum
we offer you a highly qualified customer-specific manufacturing service.

Whether you need modified products, pre-assembled terminal rails or complete small cabinets: we produce the solutions developed for your application quickly and flexibly.

**General ordering data**

| | |
|---|---|
| Version | Bolt-type screw terminals, Feed-through terminal, Screw connection |
| Order No. | 2496040000 |
| Type | HV4000/2-M12 F |
| GTIN (EAN) | 4050118554342 |
| Qty. | 1 pc(s). |

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## Technical data

### Dimensions and weights

| | | | |
|---|---|---|---|
| Depth | 96.1 mm | Depth (inches) | 3.783 inch |
| Height | 220 mm | Height (inches) | 8.661 inch |
| Width | 180 mm | Width (inches) | 7.087 inch |
| Diameter | 11 mm | Mounting dimension - height | 130 mm |
| Mounting dimension - width | 155 mm | Net weight | 3,500 g |

### Temperatures

| | | | |
|---|---|---|---|
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 140 °C |

### Material data

| | | | |
|---|---|---|---|
| Colour | red | UL 94 flammability rating | V-0 |

### System specifications

| | | | |
|---|---|---|---|
| End cover plate required | No | Number of levels | 1 |
| Number of clamping points per level | 2 | Levels cross-connected internally | Yes |
| Rail | Mounting plate | | |

### Additional technical data

| | |
|---|---|
| Explosion-tested version | No |

### Conductors for clamping (rated connection)

| | | | |
|---|---|---|---|
| Cable lug to DIN 46234 | 10...240 mm² | Clamping range, bolted connection , max. | 240 mm² |
| Clamping range, bolted connection , min. | 10 mm² | Clamping range, max. | 240 mm² |
| Clamping range, min. | 10 mm² | Clamping screw | M 12 |
| Connection cross-section, finely stranded, max. | 240 mm² | Connection cross-section, finely stranded, min. | 10 mm² |
| Connection direction | top, Bottom | Number of connections | 4 |
| Stud size for spade connection | M 12 | Tightening torque, max. | 65 Nm |
| Tightening torque, min. | 63 Nm | Type of connection | Screw connection |
| Wire connection cross section, finely stranded, max. | 240 mm² | Wire connection cross section, finely stranded, min. | 10 mm² |

### Dimensions

| | |
|---|---|
| Diameter | 11 mm |

### General

| | | | |
|---|---|---|---|
| Rail | Mounting plate | Standards | EN 45545-2:2020, NFPA 130 ASTME 162/ 662, BSS 7239/ 7242 |

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## Technical data

### Rating data

| | | | |
|---|---|---|---|
| Rated cross-section | 240 mm² | Rated voltage | 4,000 V |
| Voltage with epoxy resin partition plate | 4,000 V | Rated current | 600 A |
| Current at maximum wires | 600 A | Standards | EN 45545-2:2020, NFPA 130 ASTME 162/ 662, BSS 7239/ 7242 |
| Rated impulse withstand voltage | 30 kV | Impulse voltage with epoxy resin partition plate | 30 kV |
| Pollution severity | 3 | | |

### Classifications

| | | | |
|---|---|---|---|
| ETIM 6.0 | EC000897 | ETIM 7.0 | EC000897 |
| ETIM 8.0 | EC000897 | ETIM 9.0 | EC000897 |
| ECLASS 9.0 | 27-14-11-20 | ECLASS 9.1 | 27-14-11-20 |
| ECLASS 10.0 | 27-14-11-20 | ECLASS 11.0 | 27-14-11-20 |
| ECLASS 12.0 | 27-14-11-20 | ECLASS 13.0 | 27-25-01-01 |

### Downloads

| | |
|---|---|
| Engineering Data | CAD data – STEP |
| Catalogues | Catalogues in PDF-format |