

**Bolt-type screw terminals
HV4000/3-M12 F**

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 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

Type	HV4000/3-M12 F
Order No.	2496050000
GTIN (EAN)	4050118538373
Qty.	1 pc(s).

Bolt-type screw terminals HV4000/3-M12 F

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

Technical data

Dimensions and weights

Length	220 mm	Length (inches)	8.661 inch
Width	240 mm	Width (inches)	9.449 inch
Height	96.1 mm	Height (inches)	3.783 inch
Mounting dimension - width	240 mm	Mounting dimension - height	130 mm
Net weight	4,900 g	Diameter	11 mm

Temperatures

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

Conductors for clamping (rated connection)

Cable lug to DIN 46234	10...240 mm ²	Clamping range, bolted connection , max.	240 mm ²
Clamping range, bolted connection , min.	10 mm ²	Clamping range, max.	240 mm ²
Clamping range, min.	10 mm ²	Clamping screw	M 12
Connection cross-section, finely stranded, max.	240 mm ²	Connection cross-section, finely stranded, min.	10 mm ²
Connection direction	top, Bottom	Number of connections	6
Stud size for spade connection	M 12	Tightening torque, max.	65 Nm
Tightening torque, min.	63 Nm	Type of connection	Screw connection

Rating data

Rated cross-section	240 mm ²	Rated voltage	4,000 V
Voltage with epoxy resin partition plate	4,000 V	Rated current	700 A
Current at maximum wires	700 A	Standards	EN 45545-1:2013, EN 45545-2:2013, EN 45545-5:2013, EN 50124-1:2015, EN 50125-1:2015, EN 50153:2014-09, EN 50163:2005-07, EN 60077-1-2:2002, EN 60529:2014-09, EN 61373:2010, EN 62208:2011, EN 62262:2002
Rated impulse withstand voltage	30 kV	Impulse voltage with epoxy resin partition plate	30 kV
Pollution severity	3		

Stud connection

Cable lug to DIN 46234	10...240 mm ²	Clamping range, bolted connection , max.	240 mm ²
Clamping range, bolted connection , min.	10 mm ²	Impulse voltage with epoxy resin partition plate	30 kV
Stud size for spade connection	M 12	Tightening torque, max.	65 Nm
Tightening torque, min.	63 Nm	Voltage with epoxy resin partition plate	4,000 V

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
eClass 9.0	27-14-11-20	eClass 9.1	27-14-11-20
eClass 10.0	27-14-11-20		

Creation date May 2, 2020 9:45:54 AM CEST