

CERTIFICATE

Issued to:
Applicant:
Weidmüller Interface GmbH & Co. KG
Klingenbergstrasse 16
32758 Detmold, Germany

Manufacturer/Licensee:
Weidmüller Interface GmbH & Co. KG
Klingenbergstrasse 16
32758 Detmold, Germany

Product : Terminal blocks for copper conductors
Trade name(s) : WEIDMÜLLER
Type(s)/model(s) : ZDU 10, ZDU 10/3AN, ZDU 16, ZDU 16/3AN, ZDU 2.5, ZDU 2.5-2/3AN,
ZDU 2.5-2/4AN, ZDU 2.5/3AN, ZDU 2.5/4AN, ZDU 4, ZDU 4/3AN, ZDU 4/4AN,
ZDU 6, ZDU 6/3AN, ZDUA 2.5-2, ZDUB 2.5-2/2AN/15, ZDUB 2.5-2/4AN/15 and
ZEI 16

The product and any acceptable variation thereto is specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard IEC 60947-7-1:2009
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 900119

DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

The KEMA-KEUR certification mark may be applied to the product as specified in this certificate for the duration of the KEMA-KEUR certification agreement and under the conditions of the KEMA-KEUR certification agreement.

This certificate is issued on 18 October 2017 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 71-101238

DEKRA Certification B.V.



drs. G.J. Zoetbrood
Managing Director



Henk Barends
Certification Manager

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SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Terminal blocks for copper conductors
Trade name(s)	: WEIDMÜLLER
Type(s)/model(s)	: ZDU 10, ZDU 10/3AN, ZDU 16, ZDU 16/3AN, ZDU 2.5, ZDU 2.5-2/3AN, ZDU 2.5-2/4AN, ZDU 2.5/3AN, ZDU 2.5/4AN, ZDU 4, ZDU 4/3AN, ZDU 4/4AN, ZDU 6, ZDU 6/3AN, ZDUA 2.5-2, ZDUB 2.5-2/2AN/15, ZDUB 2.5-2/4AN/15 and ZEI 16

Product data – type ZDU 10

Rated insulation voltage	: 800 V
Rated impulse withstand voltage	: 8 kV
Conventional free air thermal current	: 57 A
Rated cross section	: 10 mm ² rigid or flexible
Rated connecting capacity	: 1,5 mm ² - 10 mm ² flexible 1,5 mm ² - 10 mm ² flexible with wire end sleeve 1,5 mm ² - 16 mm ² rigid
Method of mounting	: top hat rail 35 mm
Stripping length	: 18 mm
Description	: two-conductor through terminal block, 1-pole

Product data – type ZDU 10/3AN

Rated insulation voltage	: 800 V
Rated impulse withstand voltage	: 8 kV
Conventional free air thermal current	: 57 A
Rated cross section	: 10 mm ² rigid or flexible
Rated connecting capacity	: 1,5 mm ² - 10 mm ² flexible 1,5 mm ² - 10 mm ² flexible with wire end sleeve 1,5 mm ² - 16 mm ² rigid
Method of mounting	: top hat rail 35 mm
Stripping length	: 18 mm
Description	: three-conductor through terminal block, 1-pole

Product data – type ZDU 16

Rated insulation voltage	: 800 V
Rated impulse withstand voltage	: 8 kV
Conventional free air thermal current	: 76 A
Rated cross section	: 16 mm ² rigid or flexible
Rated connecting capacity	: 1,5 mm ² - 16 mm ² flexible 1,5 mm ² - 16 mm ² flexible with wire end sleeve 1,5 mm ² - 25 mm ² rigid
Method of mounting	: top hat rail 35 mm
Stripping length	: 18 mm
Description	: two-conductor through terminal block, 1-pole

Product data – type ZDU 16/3AN

Rated insulation voltage	: 800 V
Rated impulse withstand voltage	: 8 kV
Conventional free air thermal current	: 76 A
Rated cross section	: 16 mm ² rigid or flexible
Rated connecting capacity	: 1,5 mm ² - 16 mm ² flexible 1,5 mm ² - 16 mm ² flexible with wire end sleeve 1,5 mm ² - 25 mm ² rigid
Method of mounting	: top hat rail 35 mm
Stripping length	: 18 mm
Description	: three-conductor through terminal block, 1-pole

Product data – type ZDU 2.5

Rated insulation voltage	: 800 V
Rated impulse withstand voltage	: 8 kV
Conventional free air thermal current	: 24 A
Rated cross section	: 2,5 mm ² rigid or flexible
Rated connecting capacity	: 0,5 mm ² - 2,5 mm ² flexible 0,5 mm ² - 2,5 mm ² flexible with wire end sleeve 0,5 mm ² - 4 mm ² rigid
Method of mounting	: top hat rail 35 mm
Stripping length	: 12 mm
Description	: two-conductor through terminal block, 1-pole

Product data – type ZDU 2.5/3AN

Rated voltage	: 800 V
Impulse withstand voltage	: 8 kV
Conventional free air thermal current	: 24 A
Rated cross section	: 2,5 mm ² rigid or flexible
Rated connecting capacity	: 0,5 mm ² - 2,5 mm ² flexible 0,5 mm ² - 2,5 mm ² flexible with wire end sleeve 0,5 mm ² - 4 mm ² rigid
Method of mounting	: top hat rail 35 mm
Stripping length	: 12 mm
Description	: three-conductor through terminal block, 1-pole

Product data – type ZDU 2.5/4AN

Rated insulation voltage	: 800 V
Rated impulse withstand voltage	: 8 kV
Conventional free air thermal current	: 24 A
Rated cross section	: 2,5 mm ² rigid or flexible
Rated connecting capacity	: 0,5 mm ² - 2,5 mm ² flexible 0,5 mm ² - 2,5 mm ² flexible with wire end sleeve 0,5 mm ² - 4 mm ² rigid
Method of mounting	: top hat rail 35 mm
Stripping length	: 12 mm
Description	: four-conductor through terminal block, 1-pole

Product data – type ZDU 2.5-2/3AN

Rated insulation voltage	: 800 V
Rated impulse withstand voltage	: 8 kV
Conventional free air thermal current	: 24 A
Rated cross section	: 2,5 mm ² rigid or flexible
Rated connecting capacity	: 0,5 mm ² - 2,5 mm ² flexible 0,5 mm ² - 2,5 mm ² flexible with wire end sleeve 0,5 mm ² - 4 mm ² rigid
Method of mounting	: top hat rail 35 mm
Stripping length	: 12 mm
Description	: three-conductor through terminal block, 1-pole

Product data – type ZDU 2.5-2/4AN

Rated insulation voltage	: 800 V
Rated impulse withstand voltage	: 8 kV
Conventional free air thermal current	: 24 A
Rated cross section	: 2,5 mm ² rigid or flexible
Rated connecting capacity	: 0,5 mm ² - 2,5 mm ² flexible 0,5 mm ² - 2,5 mm ² flexible with wire end sleeve 0,5 mm ² - 4 mm ² rigid
Method of mounting	: top hat rail 35 mm
Stripping length	: 12 mm
Description	: four-conductor through terminal block, 1-pole

Product data – type ZDU 4

Rated insulation voltage	: 800 V
Rated impulse withstand voltage	: 8 kV
Conventional free air thermal current	: 32 A
Rated cross section	: 4 mm ² rigid or flexible
Rated connecting capacity	: 0,5 mm ² - 6 mm ² flexible 0,5 mm ² - 4 mm ² flexible with wire end sleeve 0,5 mm ² - 6 mm ² rigid
Method of mounting	: top hat rail 35 mm
Stripping length	: 12 mm
Description	: two-conductor through terminal block, 1-pole

Product data – type ZDU 4/3AN

Conventional free air thermal current	: 32 A
Rated impulse withstand voltage	: 8 kV
Rated insulation voltage	: 800 V
Rated cross section	: 4 mm ² rigid or flexible
Rated connecting capacity	: 0,5 mm ² - 6 mm ² flexible 0,5 mm ² - 4 mm ² flexible with wire end sleeve 0,5 mm ² - 6 mm ² rigid
Method of mounting	: top hat rail 35 mm
Stripping length	: 12 mm
Description	: three-conductor through terminal block, 1-pole

Product data – type ZDU 4/4AN

Rated insulation voltage	: 800 V
Rated impulse withstand voltage	: 8 kV
Conventional free air thermal current	: 32 A
Rated cross section	: 4 mm ² rigid or flexible
Rated connecting capacity	: 0,5 mm ² - 6 mm ² flexible 0,5 mm ² - 4 mm ² flexible with wire end sleeve 0,5 mm ² - 6 mm ² rigid
Method of mounting	: top hat rail 35 mm
Stripping length	: 12 mm
Description	: four-conductor through terminal block, 1-pole

Product data – type ZDU 6

Rated insulation voltage	: 800 V
Rated impulse withstand voltage	: 8 kV
Conventional free air thermal current	: 41 A
Rated cross section	: 6 mm ² rigid or flexible
Rated connecting capacity	: 0,5 mm ² - 6 mm ² flexible 0,5 mm ² - 6 mm ² flexible with wire end sleeve 0,5 mm ² - 10 mm ² rigid
Method of mounting	: top hat rail 35 mm
Stripping length	: 13 mm
Description	: two-conductor through terminal block, 1-pole

Product data – type ZDU 6/3AN

Rated insulation voltage	: 800 V
Rated impulse withstand voltage	: 8 kV
Conventional free air thermal current	: 41 A
Rated cross section	: 6 mm ² rigid or flexible
Rated connecting capacity	: 0,5 mm ² - 6 mm ² flexible 0,5 mm ² - 6 mm ² flexible with wire end sleeve 0,5 mm ² - 10 mm ² rigid
Method of mounting	: top hat rail 35 mm
Stripping length	: 13 mm
Description	: three-conductor through terminal block, 1-pole

Product data – type ZDUA 2.5-2

Conventional free air thermal current	: 24 A
Rated impulse withstand voltage	: 8 kV
Rated insulation voltage	: 800 V
Rated cross section	: 2,5 mm ² rigid or flexible
Rated connecting capacity	: 0,5 mm ² - 2,5 mm ² flexible 0,5 mm ² - 1,5 mm ² flexible with wire end sleeve 0,5 mm ² - 4 mm ² rigid
Method of mounting	: top hat rail 35 mm
Stripping length	: 12 mm
Description	: three-conductor through terminal block, 1-pole

Product data – type ZDUB 2.5-2/2AN/15

Rated insulation voltage	: 800 V
Rated impulse withstand voltage	: 8 kV
Conventional free air thermal current	: 24 A
Rated cross section	: 2,5 mm ² rigid or flexible
Rated connecting capacity	: 0,5 mm ² - 2,5 mm ² flexible 0,5 mm ² - 1,5 mm ² flexible with wire end sleeve 0,5 mm ² - 4 mm ² rigid
Method of mounting	: top hat rail 15 mm
Stripping length	: 12 mm
Description	: two-conductor through terminal block, 1-pole

Product data – type ZDUB 2.5-2/4AN/15

Rated insulation voltage	: 800 V
Rated impulse withstand voltage	: 8 kV
Conventional free air thermal current	: 24 A
Rated cross section	: 2,5 mm ² rigid or flexible
Rated connecting capacity	: 0,5 mm ² - 2,5 mm ² flexible 0,5 mm ² - 1,5 mm ² flexible with wire end sleeve 0,5 mm ² - 4 mm ² rigid
Method of mounting	: top hat rail 15 mm
Stripping length	: 12 mm
Description	: four-conductor through terminal block, 1-pole

Product data – type ZEI 16

Rated impulse withstand voltage	: 8 kV
Conventional free air thermal current	: 76 A
Rated insulation voltage	: 800 V
Rated cross section	: 16 mm ² rigid or flexible
Rated connecting capacity	: 1,5 mm ² - 16 mm ² flexible 1,5 mm ² - 16 mm ² flexible with wire end sleeve 1,5 mm ² - 25 mm ² rigid
Method of mounting	: top hat rail 35 mm
Description	: two-conductor through terminal block, 1-pole provided with end plate
Stripping length	: 18 mm

TESTS**Test requirements**

IEC 60947-7-1:2009

Test result

The test results are laid down in DEKRA test file 200197200 and 221555500.

Additional Information

This certificate replaces certificates:
2007797.01 issued on 2001-07-03
2011092.02 issued on 2001-03-23
973338/01 issued on 1997-07-02

This certificate replaces certificate No. 2001972.01 which we herewith declare invalid.

Conclusion

The examination proved that all requirements were met.

Factory location

Weidmüller Interface GmbH & Co. KG
Klingenbergstrasse 16
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