

CERTIFICATE

Issued to:
Applicant:
Weidmüller Interface GmbH & Co. KG
Klingenbergstrasse 16 / 26
32758 Detmold, Germany

Licensee:
Weidmüller Interface GmbH & Co. KG
Klingenbergstrasse 16 / 26
32758 Detmold, Germany

Product : terminal blocks for copper conductors
Trade name(s) : Weidmüller
Type(s)/model(s) : ZSI 2.5..., ZSI 6..., ZTR 2.5..., ZTL 6...

The product and any acceptable variation thereto as 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 EN 60947-7-1:2009 and EN 60947-7-3:2009
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 900119

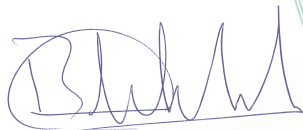
DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

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

This certificate is issued on 25 October 2023 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 71-127983

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



Jens Marggraf
Certification Manager

© Integral publication of this certificate is allowed

ACCREDITED BY THE
DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

Product	: terminal blocks for copper conductors
Trade name(s)	: Weidmüller
Type(s)/model(s)	: ZSI 2,5-2/2x2AN/G20/LD3, ZSI 2,5-2/2x2AN/G20/LD4, ZSI 2,5-2/2x2AN/G25/LD3, ZSI 2,5-2/2x2AN G20, ZSI 2,5-2/2x2AN G25, ZSI 2.5, ZSI 2.5-2/2x2AN/G25/LD4, ZSI 2.5/LD250AC, ZSI 6-2/2x2,5/G20/LD3, ZSI 6-2/2x2,5/G20/LD4, ZSI 6-2/2x2,5/G25/LD3, ZSI 6-2/2x2,5/G25/LD4, ZSI 6-2/FC, ZSI 6-2/FC LD, ZSI 6-2 2x2,5 G20, ZSI 6-2 2x2,5 G25, ZTL 6, ZTL 6/STB, ZTR 2,5/3AN/O.TNHE, ZTR 2,5/4AN, ZTR 2,5/4AN/O.TNHE, ZTR 2.5, ZTR 2.5+BEST/D, ZTR 2.5-2, ZTR 2.5/3AN and ZTR 2.5 O.TNHE
Material	: thermoplastic material
Mounting	: top hat rail 35 mm

Product data – type ZSI 2.5

Rated cross-section	: 2,5 mm ²
Rated connecting capacity	: 0,5 mm ² - 4 mm ² rigid or flexible
Stripping length	: 10 mm
Rated insulation voltage	: 250 V (fuse holder) 500 V (terminal block)
Rated impulse withstand voltage	: 4 kV (fuse holder) 6 kV (terminal block)
Conventional free air thermal current	: 6,3 A
Fuse size	: 5 x 20 mm
Rated power dissipation	: overload and short circuit protection: separate arrangement: PV 2,5 W / 6,3 A compound arrangement: PV 1,6 W / 6,3 A exclusive short-circuit protection: separate arrangement: PVK 4 W / 6,3 A compound arrangement: PVK 2,5 W / 6,3 A
Description	: fuse terminal block with 2 screwless-type clamping units per pole, 1 pole

Product data – type ZSI 2.5/LD250AC

Rated cross-section	: 2,5 mm ²
Rated connecting capacity	: 0,5 mm ² - 4 mm ² rigid or flexible
Stripping length	: 10 mm
Rated insulation voltage	: 250 V (fuse holder) 500 V (terminal block)
Rated impulse withstand voltage	: 4 kV (fuse holder) 6 kV (terminal block)
Conventional free air thermal current	: 6,3 A
Fuse size	: 5 x 20 mm
Rated power dissipation	: overload and short circuit protection: separate arrangement: PV 2,5 W / 6,3 A compound arrangement: PV 1,6 W / 6,3 A exclusive short-circuit protection: separate arrangement: PVK 4 W / 6,3 A compound arrangement: PVK 2,5 W / 6,3 A

Description : fuse terminal block with 2 screwless-type clamping units per pole, 1 pole, provided with indication LED

Product data – type ZSI 2,5-2/2x2AN G20

Rated cross-section : 2,5 mm²
Rated connecting capacity : 0,5 mm² - 4 mm² rigid or flexible
Stripping length : 10 mm
Rated insulation voltage : 250 V (fuse holder)
800 V (terminal block)
Rated impulse withstand voltage : 4 kV (fuse holder)
8 kV (terminal block)
Conventional free air thermal current : 6,3 A
Rated power dissipation : overload and short circuit protection:
separate arrangement: PV 2,5 W / 6,3 A
compound arrangement: PV 1,6 W / 6,3 A

exclusive short-circuit protection:
separate arrangement: PVK 4 W / 6,3 A
compound arrangement: PVK 2,5 W / 6,3 A

Description : fuse terminal block with 4 screwless-type clamping units per pole, 1 pole, for miniature fuse-links 5 x 20 mm

Product data – type ZSI 2,5-2/2x2AN G25

Rated cross-section : 2,5 mm²
Rated connecting capacity : 0,5 mm² - 4 mm² rigid or flexible
Stripping length : 10 mm
Rated insulation voltage : 250 V (fuse holder)
800 V (terminal block)
Rated impulse withstand voltage : 4 kV (fuse holder)
8 kV (terminal block)
Conventional free air thermal current : 6,3 A
Rated power dissipation : overload and short circuit protection:
separate arrangement: PV 2,5 W / 6,3 A
compound arrangement: PV 1,6 W / 6,3 A

exclusive short-circuit protection:
separate arrangement: PVK 4 W / 6,3 A
compound arrangement: PVK 2,5 W / 6,3 A

Description : fuse terminal block with 4 screwless-type clamping units per pole, 1 pole, for miniature fuse-links 5 x 25 mm

Product data – type ZSI 2,5-2/2x2AN/G20/LD3

Rated cross-section : 2,5 mm²
Rated connecting capacity : 0,5 mm² - 4 mm² rigid or flexible
Stripping length : 10 mm
Rated insulation voltage : 60 - 150 V
Rated impulse withstand voltage : 4 kV (fuse holder)
8 kV (terminal block)
Conventional free air thermal current : 6,3 A

Rated power dissipation	: overload and short circuit protection: separate arrangement: PV 2,5 W / 6,3 A compound arrangement: PV 1,6 W / 6,3 A
	exclusive short-circuit protection: separate arrangement: PVK 4 W / 6,3 A compound arrangement: PVK 2,5 W / 6,3 A
Description	: fuse terminal block with 4 screwless-type clamping units per pole, 1 pole, for miniature fuse-links 5 x 20 mm

Product data – type ZSI 2,5-2/2x2AN/G20/LD4

Rated cross-section	: 2,5 mm ²
Rated connecting capacity	: 0,5 mm ² - 4 mm ² rigid or flexible
Stripping length	: 10 mm
Rated insulation voltage	: 140 - 250 V
Rated impulse withstand voltage	: 4 kV (fuse holder) 8 kV (terminal block)
Conventional free air thermal current	: 6,3 A
Rated power dissipation	: overload and short circuit protection: separate arrangement: PV 2,5 W / 6,3 A compound arrangement: PV 1,6 W / 6,3 A
	exclusive short-circuit protection: separate arrangement: PVK 4 W / 6,3 A compound arrangement: PVK 2,5 W / 6,3 A
Description	: fuse terminal block with 4 screwless-type clamping units per pole, 1 pole, for miniature fuse-links 5 x 20 mm

Product data – type ZSI 2,5-2/2x2AN/G25/LD3

Rated cross-section	: 2,5 mm ²
Rated connecting capacity	: 0,5 mm ² - 4 mm ² rigid or flexible
Stripping length	: 10 mm
Rated insulation voltage	: 60 - 150 V
Rated impulse withstand voltage	: 4 kV (fuse holder) 8 kV (terminal block)
Conventional free air thermal current	: 6,3 A
Rated power dissipation	: overload and short circuit protection: separate arrangement: PV 2,5 W / 6,3 A compound arrangement: PV 1,6 W / 6,3 A
	exclusive short-circuit protection: separate arrangement: PVK 4 W / 6,3 A compound arrangement: PVK 2,5 W / 6,3 A
Description	: fuse terminal block with 4 screwless-type clamping units per pole, 1 pole, for miniature fuse-links 5 x 25 mm

Product data – type ZSI 2,5-2/2x2AN/G25/LD4

Rated cross-section	: 2,5 mm ²
Rated connecting capacity	: 0,5 mm ² - 4 mm ² rigid or flexible
Stripping length	: 10 mm
Rated insulation voltage	: 140 - 250 V
Rated impulse withstand voltage	: 4 kV (fuse holder) 8 kV (terminal block)
Conventional free air thermal current	: 6,3 A

Rated power dissipation	: overload and short circuit protection: separate arrangement: PV 2,5 W / 6,3 A compound arrangement: PV 1,6 W / 6,3 A
	exclusive short-circuit protection: separate arrangement: PVK 4 W / 6,3 A compound arrangement: PVK 2,5 W / 6,3 A
Description	: fuse terminal block with 4 screwless-type clamping units per pole, 1 pole, for miniature fuse-links 5 x 25 mm

Product data – type ZSI 6-2 2x2,5 G25

Rated cross-section	: 2,5 mm ² / 6 mm ²
Rated connecting capacity	: 0,5 mm ² - 10 mm ² rigid or flexible 0,5 mm ² - 4 mm ² rigid or flexible
Stripping length	: 10 mm
Rated insulation voltage	: 250 V (fuse holder) 800 V (terminal block)
Rated impulse withstand voltage	: 4 kV (fuse holder) 8 kV (terminal block)
Conventional free air thermal current	: 6,3 A
Rated power dissipation	: overload and short circuit protection: separate arrangement: PV 2,5 W / 6,3 A compound arrangement: PV 1,6 W / 6,3 A
	exclusive short-circuit protection: separate arrangement: PVK 4 W / 6,3 A compound arrangement: PVK 2,5 W / 6,3 A
Description	: fuse terminal block with 3 screwless-type clamping units per pole, 1 pole, for miniature fuse-links 5 x 25 mm

Product data – type ZSI 6-2 2x2,5 G20

Rated cross-section	: 2,5 mm ² / 6 mm ²
Rated connecting capacity	: 0,5 mm ² - 10 mm ² rigid or flexible 0,5 mm ² - 4 mm ² rigid or flexible
Stripping length	: 10 mm
Rated insulation voltage	: 250 V (fuse holder) 800 V (terminal block)
Rated impulse withstand voltage	: 4 kV (fuse holder) 8 kV (terminal block)
Conventional free air thermal current	: 6,3 A
Rated power dissipation	: overload and short circuit protection: separate arrangement: PV 2,5 W / 6,3 A compound arrangement: PV 1,6 W / 6,3 A
	exclusive short-circuit protection: separate arrangement: PVK 4 W / 6,3 A compound arrangement: PVK 2,5 W / 6,3 A
Description	: fuse terminal block with 3 screwless-type clamping units per pole, 1 pole, for miniature fuse-links 5 x 20 mm

Product data – type ZSI 6-2/2x2,5/G20/LD3

Rated cross-section	: 2,5 mm ² / 6 mm ²
Rated connecting capacity	: 0,5 mm ² - 10 mm ² rigid or flexible 0,5 mm ² - 4 mm ² rigid or flexible
Stripping length	: 10 mm

Rated insulation voltage	: 60 - 150 V
Rated impulse withstand voltage	: 4 kV
Conventional free air thermal current	: 6,3 A
Rated power dissipation	: overload and short circuit protection: separate arrangement: PV 2,5 W / 6,3 A compound arrangement: PV 1,6 W / 6,3 A
	exclusive short-circuit protection: separate arrangement: PVK 4 W / 6,3 A compound arrangement: PVK 2,5 W / 6,3 A
Description	: fuse terminal block with 3 screwless-type clamping units per pole, 1 pole, for miniature fuse-links 5 x 20 mm

Product data – type ZSI 6-2/2x2,5/G20/LD4

Rated cross-section	: 2,5 mm ² / 6 mm ²
Rated connecting capacity	: 0,5 mm ² - 10 mm ² rigid or flexible 0,5 mm ² - 4 mm ² rigid or flexible
Stripping length	: 10 mm
Rated insulation voltage	: 140 - 250 V
Rated impulse withstand voltage	: 4 kV (fuse holder) 8 kV (terminal block)
Conventional free air thermal current	: 6,3 A
Rated power dissipation	: overload and short circuit protection: separate arrangement: PV 2,5 W / 6,3 A compound arrangement: PV 1,6 W / 6,3 A
	exclusive short-circuit protection: separate arrangement: PVK 4 W / 6,3 A compound arrangement: PVK 2,5 W / 6,3 A
Description	: fuse terminal block with 3 screwless-type clamping units per pole, 1 pole, for miniature fuse-links 5 x 20 mm

Product data – type ZSI 6-2/2x2,5/G25/LD3

Rated cross-section	: 2,5 mm ² / 6 mm ²
Rated connecting capacity	: 0,5 mm ² - 10 mm ² rigid or flexible 0,5 mm ² - 4 mm ² rigid or flexible
Stripping length	: 10 mm
Rated insulation voltage	: 60 - 150 V
Rated impulse withstand voltage	: 4 kV (fuse holder) 8 kV (terminal block)
Conventional free air thermal current	: 6,3 A
Rated power dissipation	: overload and short circuit protection: separate arrangement: PV 2,5 W / 6,3 A compound arrangement: PV 1,6 W / 6,3 A
	exclusive short-circuit protection: separate arrangement: PVK 4 W / 6,3 A compound arrangement: PVK 2,5 W / 6,3 A
Description	: fuse terminal block with 3 screwless-type clamping units per pole, 1 pole, for miniature fuse-links 5 x 25 mm

Product data – type ZSI 6-2/2x2,5/G25/LD4

Rated cross-section	: 2,5 mm ² / 6 mm ²
Rated connecting capacity	: 0,5 mm ² - 10 mm ² rigid or flexible 0,5 mm ² - 4 mm ² rigid or flexible

Stripping length	: 10 mm
Rated insulation voltage	: 140 - 250 V
Rated impulse withstand voltage	: 4 kV (fuse holder) 8 kV (terminal block)
Conventional free air thermal current	: 6,3 A
Rated power dissipation	: overload and short circuit protection: separate arrangement: PV 2,5 W / 6,3 A compound arrangement: PV 1,6 W / 6,3 A exclusive short-circuit protection: separate arrangement: PVK 4 W / 6,3 A compound arrangement: PVK 2,5 W / 6,3 A
Description	: fuse terminal block with 3 screwless-type clamping units per pole, 1 pole, for miniature fuse-links 5 x 25 mm

Product data – type ZSI 6-2/FC

Rated cross-section	: 6 mm ²
Rated connecting capacity	: 0,5 mm ² - 10 mm ² rigid or flexible
Stripping length	: 14 mm
Rated insulation voltage	: 250 V
Rated impulse withstand voltage	: 6 kV
Conventional free air thermal current	: 30 A
Fuse of fuses	: C1,0A/32V SW C2,0A/32V GR C3,0A/32V VI C4,0A/32V RS C5,0A/32V HBR C7,5A/32V BR C10A/32V RT C15A/32V HBL C20A/32V GE C25A/32V WS C30A/32V HGR
Rated power dissipation	: exclusive short-circuit protection: separate arrangement 1,7 W / 24,9 A (fuse-link 30 A) compound arrangement 1,3 W / 23 A (fuse-link 30 A)
Description	: fuse terminal block with 2 screwless-type clamping units per pole, 1 pole

Product data – type ZSI 6-2/FC LD

Rated cross-section	: 6 mm ²
Rated connecting capacity	: 0,5 mm ² - 10 mm ² rigid or flexible
Stripping length	: 14 mm
Rated insulation voltage	: 10 - 36 V
Rated impulse withstand voltage	: 6 kV
Conventional free air thermal current	: 6,3 A

Fuse of fuses	: C1,0A/32V SW C2,0A/32V GR C3,0A/32V VI C4,0A/32V RS C5,0A/32V HBR C7,5A/32V BR C10A/32V RT C15A/32V HBL C20A/32V GE C25A/32V WS C30A/32V HGR
Rated power dissipation	: exclusive short-circuit protection: separate arrangement 1,7 W / 24,9 A (fuse-link 30 A) compound arrangement 1,3 W / 23 A (fuse-link 30 A)
Description	: fuse terminal block with 2 screwless-type clamping units per pole, 1 pole

Product data – type ZTL 6

Rated cross-section	: 6 mm ²
Rated connecting capacity	: 0,5 mm ² - 6 mm ² flexible 0,5 mm ² - 10 mm ² rigid
Stripping length	: 13 mm
Tightening torque disconnect part	: 0,5 Nm - 0,6 Nm
Rated insulation voltage	: 800 V
Rated impulse withstand voltage	: 8 kV
Conventional free air thermal current	: 41 A
Description	: disconnect terminal block with 2 screwless-type terminals per pole, 1-pole

Product data – type ZTL 6/STB

Rated cross-section	: 6 mm ²
Rated connecting capacity	: 0,5 mm ² - 6 mm ² flexible 0,5 mm ² - 10 mm ² rigid
Stripping length	: 13 mm
Tightening torque disconnect part	: 0,5 Nm - 0,6 Nm
Rated insulation voltage	: 800 V
Rated impulse withstand voltage	: 8 kV
Conventional free air thermal current	: 41 A
Description	: ddisconnect terminal block with 2 screwless type terminals per pole, 1-pole , provided with sockets

Product data – type ZTR 2.5

Rated cross-section	: 2,5 mm ²
Rated connecting capacity	: 0,5 mm ² - 4 mm ² rigid or flexible
Stripping length	: 10 mm
Rated insulation voltage	: 500 V
Rated impulse withstand voltage	: 6 kV
Conventional free air thermal current	: 20 A
Description	: disconnect terminal block with 2 screwless type terminals per pole, 1-pole

Product data – type ZTR 2.5 O.TNHE

Rated cross-section	: 2,5 mm ²
Rated connecting capacity	: 0,5 mm ² - 4 mm ² rigid or flexible
Stripping length	: 10 mm
Rated insulation voltage	: 250 V (BEST/D) 500 V (terminal block)
Rated impulse withstand voltage	: 6 kV
Conventional free air thermal current	: 1 A
Description	: terminal block with 2 screwless-type terminals per pole, 1-pole provided for connection with BEST/D 1-pole with two clamping units per pole.

Product data – type ZTR 2.5/3AN

Rated cross-section	: 2,5 mm ²
Rated connecting capacity	: 0,5 mm ² - 4 mm ² rigid 0,5 mm ² - 2,5 mm ² flexible
Stripping length	: 10 mm
Rated insulation voltage	: 500 V
Rated impulse withstand voltage	: 6 kV
Conventional free air thermal current	: 20 A
Description	: disconnect terminal block with 3 screwless type clamping units per pole, 1-pole

Product data – type ZTR 2,5/3AN/O.TNHE

Rated cross-section	: 2,5 mm ²
Rated connecting capacity	: 0,5 mm ² - 4 mm ² rigid 0,5 mm ² - 2,5 mm ² flexible
Stripping length	: 10 mm
Rated insulation voltage	: 500 V
Rated impulse withstand voltage	: 6 kV
Conventional free air thermal current	: 20 A
Description	: test-terminal block with 3 screwless type clamping units per pole, 1-pole

Product data – type ZTR 2,5/4AN

Rated cross-section	: 2,5 mm ²
Rated connecting capacity	: 0,5 mm ² - 4 mm ² rigid 0,5 mm ² - 2,5 mm ² flexible
Stripping length	: 10 mm
Rated insulation voltage	: 400 V
Rated impulse withstand voltage	: 6 kV
Conventional free air thermal current	: 16 A
Description	: disconnect terminal block with 3 screwless type clamping units per pole, 1-pole

Product data – type ZTR 2,5/4AN/O./TNHE

Rated cross-section	: 2,5 mm ²
Rated connecting capacity	: 0,5 mm ² - 4 mm ² rigid 0,5 mm ² - 2,5 mm ² flexible
Stripping length	: 10 mm
Rated insulation voltage	: 400 V
Rated impulse withstand voltage	: 6 kV
Conventional free air thermal current	: 16 A

Description : test-terminal block with 4 screwless type clamping units per pole, 1-pole

Product data – type ZTR 2.5+BEST/D

Rated cross-section : 2,5 mm²
Rated connecting capacity : 0,5 mm² - 4 mm² rigid or flexible
Stripping length : 10 mm
Rated insulation voltage : 250 V (BEST/D)
500 V (terminal block)
Conventional free air thermal current : 1 A
Description : terminal block with 2 screw-type terminals, 1-pole provided with BEST/D

Product data – type ZTR 2.5-2

Rated cross-section : 2,5 mm²
Rated connecting capacity : 0,5 mm² - 2,5 mm² rigid or flexible
Stripping length : 10 mm
Rated insulation voltage : 400 V
Rated impulse withstand voltage : 6 kV
Conventional free air thermal current : 20A
Description : disconnect terminal block with 2 screwless-type terminals per pole, 1-pole

TESTS**Test requirements**

EN 60947-7-1:2009
EN 60947-7-3:2009

Test result

The test results are laid down in DEKRA test file 226525900.

Additional information

This certificate replaces certificates:
2011092.01 dated on 11-09-2001
2019254.01 dated on 28-08-2002
2031110.01 dated on 07-10-2003
2073405.01 dated on 30-09-2004

This certificate replaces certificate No. 71-112698 which we hereby declare invalid.

Conclusion

The examination proved that all requirements were met.

Factory locations

Weidmüller Interface GmbH & Co. KG
Klingenbergstrasse 16 / 26
32758 Detmold, Germany

Weidmüller Interface (Suzhou) Co. Ltd.
No. 58 Shilin Road
215151 Suzhou Jiangsu, China

Weidmüller Interface Romania S.R.L.
Strada 66
437345 Tautii-Magheraus, Romania

Weidmuller Lanskroun, s.r.o.
Dobrovskeho 1115
56301 Lanskroun, Czech Republic

EWE s.r.o.
Trebovska 570
562 03 Usti Nad Orlici, Czech Republic