

Translation, original language: German

(1) **EC-TYPE EXAMINATION CERTIFICATE**

(2) **Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC**

(3) EC-Type Examination Certificate Number: **KEMA 98ATEX1687 U** Issue Number: **2**

(4) Component: **Feed Through Terminal Blocks Types WDK 2.5, WDK 2.5V, WDK 2.5/EX and WDK 2.5 ZQV, Distribution Terminal Block Type WDK 2.5DU-PE and Protective Conductor Terminal Block Type WDK 2.5PE**

(5) Manufacturer: **Weidmüller Interface GmbH & Co. KG**

(6) Address: **Klingenbergstraße 16, D-32758 Detmold, Germany**

(7) This component and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) KEMA Quality B.V., notified body number 0344 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the directive.

The examination and test results are recorded in confidential report no. 212221500.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0 : 2004

EN 60079-7 : 2003

(10) The sign "U" placed after the certificate number indicates that this certificate describes components and must not be mistaken for a certificate intended for an equipment or protective system. This EC-Type Examination Certificate may be used as a basis for certification of an equipment or protective system.

(11) This EC-Type Examination Certificate relates only to the design, examination and tests of the specified component according to the Directive 94/9/EC. Further requirements of the directive apply to the manufacturing process and supply of this component. These are not covered by this certificate.

(12) The marking of the component shall include the following:

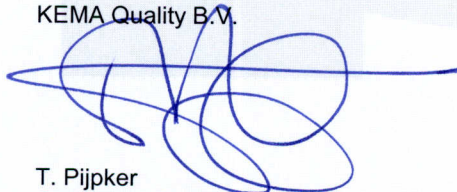


II 2 G D

Ex e II

This certificate is issued on December 12, 2008 and, as far as applicable, shall be revised before the date of cessation of presumption of conformity of (one of) the standards mentioned above as communicated in the Official Journal of the European Union.

KEMA Quality B.V.



T. Pijpker
Certification Manager

(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate KEMA 98ATEX1687 U** Issue No. 2

(15) **Description**

Feed Through Terminal Blocks Types WDK 2.5, WDK 2.5V, WDK 2.5/EX and WDK 2.5 ZQV, Distribution Terminal Block Type WDK 2.5DU-PE and Protective Conductor Terminal Block Type WDK 2.5PE of the W-Series, for the connection of copper conductors in enclosures in type of protection increased safety "e", insulating parts made of Wemid, with accessories (cross-connectors, end brackets and identification material) for fixing on mounting rail TS 35.

Operating temperature range -50 °C ... +100 °C.

Electrical data

Feed Through Terminal Blocks

Type:	WDK 2.5 and WDK 2.5V	WDK 2.5/EX
Rated insulation voltage [V]	250	400
Rated voltage [V]	275	440
- with skipping jumper [V]	69	176
Nominal current [A], Temperature rise 40 K	21	24
- with jumper, Temperature rise 40 K	21	22
Rated cross section [mm ²] (AWG)	4 (12)	4 (12)
Connectable conductor cross section		
- rigid [mm ²] (AWG)	0,5-2,5 (20-14)	0,5-4 (20-12)
- flexible [mm ²] (AWG)	0,5-2,5 (20-14)	0,5-2,5 (20-14)

Type:	WDK 2.5 ZQV
Rated insulation voltage [V]	250
Rated voltage [V]	275
- with jumper [V]	275
- with skipping jumper [V]	69
Nominal current [A], Temperature rise 40 K	21
- with jumper, Temperature rise 40 K	21
Rated cross section [mm ²] (AWG)	4 (12)
Connectable conductor cross section	
- rigid [mm ²] (AWG)	0,5-2,5 (20-14)
- flexible [mm ²] (AWG)	0,5-2,5 (20-14)

Distribution Terminal Block

Type:	WDK 2.5DU-PE
Rated insulation voltage [V]	250
Rated voltage [V]	275
- with skipping jumper [V]	69
Nominal current [A], Temperature rise 40 K	21
- with jumper, Temperature rise 40 K	21
Rated cross section [mm ²] (AWG)	4 (12)
Connectable conductor cross section	
- rigid [mm ²] (AWG)	0,5-2,5 (20-14)
- flexible [mm ²] (AWG)	0,5-2,5 (20-14)

(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate KEMA 98ATEX1687 U** Issue No. 2

Protective Conductor Terminal Block

Type:	WDK 2.5PE
Rated cross section [mm ²] (AWG)	2,5 (14)
Connectable conductor cross section	
- rigid [mm ²] (AWG)	0,5-2,5 (20-14)
- flexible [mm ²] (AWG)	0,5-2,5 (20-14)

Installation instructions

The Feed Through Terminal Blocks, Distribution Terminal Block and Protective Conductor Terminal Block are suitable for use in enclosures in atmospheres with flammable gases or combustible dust. For flammable gases these enclosures must satisfy the requirements according to EN 60079-0 and EN 60079-7. For combustible dust these enclosures must satisfy the requirements according to EN 50281-1-1 or EN 61241-series.

When assembling with other certified series and sizes and using belonging accessories, the required creepage distances and clearances have to be observed.

Regarding the use of covers, cross-connectors and end brackets the instructions of the manufacturer must be followed.

If conductors with smaller cross sections as the rated cross section are used, the belonging lower current has to be laid down in the EC-Type Examination Certificate of the complete equipment. The Feed Through Terminal Blocks, Distribution Terminal Block and Protective Conductor Terminal Block may be used at ambient temperatures of -50 °C to +40 °C at the mounting position in electrical apparatus, e.g. junction and connection boxes, for temperature class T6. When the Terminal Blocks are used in electrical apparatus of temperature classes T1 up to T5, the highest temperature of the insulating material shall not exceed the maximum value of the operating temperature range.

(16) **Report**

KEMA No. 212221500

(17) **Special conditions for safe use**

None.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. 212221500.