

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 01ATEX2186 U** Issue Number: 2

(4) Component: **Terminal Block Type WDU 240**

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

(6) Address: **Klingenbergstraße 16, D-32756 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. 2108111.

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

EN 60079-0 : 2006

EN 60079-7 : 2003

EN 50281-1-1 : 1998 + A1

(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

Arnhem, 1 August 2007
KEMA Quality B.V.

C.G. van Es
Certification Manager

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Experience you can trust.

(13) SCHEDULE**(14) to EC-Type Examination Certificate KEMA 01ATEX2186 U** Issue No. 2**(15) Description**

Terminal Block Type WDU 240 with accessories, is intended for the connection of copper conductors in enclosures in type of protection increased safety "e" or "D" (dust).

Fixing is made on mounting rails type TS 32 according to EN 60715-G 32 or TS 35 according to EN 60715-TH 35.

Operating temperature range: -50 °C ... +110 °C.

Electrical data

| | |
|---|--------------------|
| Rated insulation voltage [V] | 1000 |
| Rated voltage [V] | 1100 |
| Nominal current [A] | 350 |
| Max. load current [A] | 350 |
| with jumper [A] | |
| - rated cross-section with WQB | 270 |
| - max. conductor cross-section with WQB | 270 |
| Rated cross-section [mm ²] (AWG / kcmil) | 240 (500) |
| Connectable conductor cross-section | |
| - rigid [mm ²] (AWG / kcmil) | 70 - 240 (2/0-500) |
| - flexible [mm ²] (AWG / kcmil) | 70 - 240 (2/0-500) |
| Multi-conductor connection (2 conductor with same cross-section and conductor type) | |
| - rigid [mm ²] (AWG) | 35 - 95 (2-3/0) |
| - flexible [mm ²] (AWG) | 50 - 95 (1/0-3/0) |

Installation instructions

The Terminal Blocks 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.

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 (jumper) and end brackets the instructions of the manufacturer must be followed.

If 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 apparatus.

The Terminal Blocks may be used, based on the self-heating when used at the above mentioned rated current and at ambient temperatures of -50 °C to +40 °C at the mounting position in electrical apparatus, e.g. connection, junction and connecting 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.

(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate KEMA 01ATEX2186 U** Issue No. 2

Routine tests

The routine dielectric strength tests according to EN 60079-7, clause 7.2 or using the method as laid down in document no. A_10_07 shall be conducted.

(16) **Report**

KEMA No. 2108111.

(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. 2108111.