

CERTIFICATE

(1) EU-Type Examination

(2) Component intended for use on/in equipment or protective systems intended for use in potentially explosive atmospheres - Directive 2014/34/EU

(3) EU-Type Examination Certificate Number: **KEMA 01ATEX2186 U** Issue Number: 3

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

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

(6) Address: **Klingenbergsstrasse 26, 32756 Detmold, Germany**

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

(8) DEKRA Certification B.V., Notified Body number 0344 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential test report number NL/DEK/ExTR21.0030/00.

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

EN IEC 60079-0 : 2018

EN 60079-7 : 2015 + A1 : 2018

except in respect of those requirements listed at item 18 of the Schedule.

(10) The sign "U" is placed after the certificate number. It indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

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



Ex eb IIC Gb

Date of certification: 15 November 2021

DEKRA Certification B.V.



L.G. van Schie
Certification Manager

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(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate KEMA 21ATEX2186 U** Issue No. 3

(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 dust ignition protection "t". Fixing is made on mounting rails type TS 32 according to EN 60715-G 32 or TS 35 according to EN 60715-TH 35.

Specifications

Operating temperature range: -60 °C to +110 °C.

Refer to Annex 1 to Report No. NL/DEK/ExTR21.0030/00 for electrical data and nomenclature.

Installation instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

No. NL/DEK/ExTR21.0030/00.

(17) **Schedule of limitations**

1. The Terminal Blocks shall be mounted in a certified enclosure that meets the requirements of an approved type of protection as specified in IEC 60079-0 clause 1, with a degree of protection at least as required for Ex e.
2. When assembling with other certified series and sizes and using the associated accessories, the required creepage distances and clearances have to be observed.
3. The installation instruction of the manufacturer shall be followed e.g. for the use of cover, jumpers, end brackets. The data regarding current and associated temperature rise shall be used as guideline for the given conductor cross sections. The cross section has influence on the temperature rise which shall be assessed in the end application.
4. If 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.
5. If the Terminal Blocks are used in electrical apparatus of temperature classes T6 the permissible ambient temperature range is $-60^{\circ}\text{C} < T_{\text{amb}} < +40^{\circ}\text{C}$.
6. The electrical data per Annex 1 applies.

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

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/DEK/ExTR21.0030/00.

(20) **Certificate history**

Issue 1 - 210811100 Initial certificate.
Issue 2 - 210811100 Electrical data is updated.
Issue 3 - 225645300 Assessment against the most recent editions of the applied standards.
Introduction of an alternative insulation material for the insulation body.
Minor mechanical change.
Schedule of limitations and Operating temperature are updated.