

# (1) EU-TYPE EXAMINATION CERTIFICATE



- (2) Equipment and Protective Systems intended for use in  
Potentially Explosive Atmosphere - **Directive 2014/34/EU**
- (3) EU-Type Examination Certificate Number

**TÜV 22 ATEX 8827 U**

Issue: 00

- (4) **Equipment:** Terminal Series, Type W2C 4 ..
- (5) **Manufacturer:** Weidmüller Interface GmbH & Co. KG
- (6) **Address:** Klingenbergstr. 26  
32758 Detmold, Germany

- (7) This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
- (8) The TÜV Rheinland Zertifizierungsstelle für Explosionsschutz of TÜV Rheinland Industrie Service GmbH, Notified Body No. 0035 in accordance with Article 21 of the Council Directive 2014/34/EU of 26<sup>th</sup> February 2014, certifies this product which 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 atmosphere, given in Annex II to the Directive.

The examination and test results are recorded in the confidential report 557/Ex8827.00/22

- (9) Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:

**EN IEC 60079-0: 2018**

**EN IEC 60079-7: 2015 / A1: 2018**

- (10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.
- (11) This EU-Type Examination Certificate relates only to the design and specification for construction of the equipment or protective system. It does not cover the process for actual manufacture or supply of the equipment or protective system, for which further requirements of the directive are applicable.
- (12) The marking of the equipment shall include the following:



**II 2 GD Ex eb IIC Gb**

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

Cologne, 2023-04-25

Dipl.-Ing. Christian Mehrhoff



This EU-Type Examination Certificate without signature and stamp shall not be valid.  
This EU-Type Examination Certificate may be circulated only without alteration. Extracts or alterations are subject to approval by the  
TÜV Rheinland Industrie Service GmbH TÜV Rheinland Group Am Grauen Stein 51105 Köln  
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(13)

Annex

(14)

## **EU Type Examination Certificate**

### **TÜV 22 ATEX 8827 U**

Issue: 00

(15) Description of equipment

#### 15.1 Equipment and type:

Terminal Blocks

W2C 4 ..

#### 15.2 Description / Details of Change

##### General product information

The Modular Terminal Blocks W2C 4.. are suitable for use in enclosures in atmospheres with flammable gases or combustible dust of up to zone 1.

The certificate covers the types:

W2C 4 FT\*

W2C 4 FT STB\*

W2C 4 FT-PE\*

W2C 4 FT-PE STB\*

##### Optional accessories:

End plate

WEP 2C 4\*

End bracket

WEW 35/2\*

Terminal rail

TS 35/... acc.to DIN EN 60715

Cross connection

ZQV 4N/(1)\*

<sup>(1)</sup>: number of contacts

\*in all colours (not Ex relevant).

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### Technical Data

Operating temperature ranges:

	-60°C up to +110°C
T6	-60°C up to +40 °C
T5	-60°C up to +55 °C
T4	-60°C up to +70 °C

For other technical data refer to the "Installation instructions & condition of safe use" for each type of terminal.

(16) Test-Report No. 557/Ex8827.00/22

### (17) Schedule of Limitations

1. The W2C 4 FT/W2C 4 FT-PE - series is suitable for application in enclosures in atmospheres with flammable gases or combustible dust. For use in flammable gases these enclosures must satisfy the requirements according to IEC/EN60079-0 and IEC/EN60079-7. For use in combustible dust these enclosures must satisfy the requirements according to IEC/EN60079-0 and IEC/EN60079-31.
2. Under normal operating conditions the temperature rise of the terminal blocks is maximum 40 K, measured at the maximum permitted rated current. Due to the above mentioned, the terminal blocks may be used in apparatus of temperature classes T6...T1 as long as the terminal block ambient temperature range is not exceeded. No part of terminal block must exceed 110 °C under any condition.  
T6 (- 60°C ... +40 °C)  
T5 (- 60°C ... +55 °C)  
T4 (- 60°C ... +70 °C)
3. When using the type W2C 4 FT/W2C 4 FT-PE especially with other terminal blocks series or sizes or accessories the requirements for clearance and creepage distances according to IEC/EN60079-7 must be observed. Regarding the use of covers, cross-connectors and end brackets the instructions of the manufacturer must be followed.
4. For cross connection accessories, current rating, resistance across the terminal please refer "Notice to Installers".
5. The terminal can be used with either one or two wires into either side of the terminal. When two wires are used they must be of the same type, and of equal sizes. No other wire sizes or types than the ones specified in instructions must be used. The terminal blocks must either be mounted next to another block of the same type and size or with an end plate.

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(18) Basic Safety and Health Requirements

Covered by afore mentioned standard

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

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