



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Ex COMPONENT CERTIFICATE

Certificate No.: **IECEx TUR 22.0020U**

Page 1 of 4

[Certificate history](#):

[Issue 0 \(2023-04-25\)](#)

Status: **Current**

Issue No: 1

Date of Issue: 2025-12-02

Applicant: **Weidmüller Interface GmbH & Co. KG**
Klingenbergsstrasse 26
Detmold 32758
Germany

Ex Component: Terminal Blocks W2C 4 ..

This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).

Type of Protection: **Increased safety "ex e"**

Marking: Ex eb IIC Gb

Approved for issue on behalf of the IECEx
Certification Body:

Christian Mehrhoff

Position:

Assigned certifier

Signature:
(for printed version)

Date:
(for printed version)

2025-12-02

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

TÜV Rheinland Industrie Service GmbH
Am Grauen Stein
51105 Cologne
Germany





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Certificate No.: **IECEx TUR 22.0020U**

Page 2 of 4

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Manufacturer: **Weidmüller Interface GmbH & Co. KG**
Klingenbergsstrasse 26
Detmold 32758
Germany

Manufacturing locations: **Weidmüller Interface (Suzhou) Co., Ltd**
58 Shilin Road
Shuzhou New District 215151
China

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The component and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the component listed has successfully met the examination and test requirements as recorded in:

Test Report:

[DE/TUR/ExTR22.0020/00](#)

Quality Assessment Reports:

[NL/DEK/QAR12.0052/10](#)

[NL/DEK/QAR12.0072/06](#)



IECEx Certificate of Conformity

Certificate No.: **IECEx TUR 22.0020U**

Page 3 of 4

Date of issue: 2025-12-02

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Ex Component(s) covered by this certificate is described below:

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)*

(1): number of contacts

*in all colours (not Ex relevant).

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.

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.



IECEx Certificate of Conformity

Certificate No.: **IECEx TUR 22.0020U**

Page 4 of 4

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

change / correction of manufacturer locations