



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 20.0014U**

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[Certificate history](#):

[Issue 1 \(2023-05-11\)](#)

[Issue 0 \(2020-10-28\)](#)

Status: **Current**

Issue No: 2

Date of Issue: 2025-12-02

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

Ex Component: Terminal Block Series WFS/W2C/W2T and ZDTR

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: **Ex ec**

Marking: **Ex ec IIC Gc**

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

Manufacturing locations: **S.C. Weidmüller Interface România S.R.L.** Strada 66, Nr. 8
Tautii Magheraus 437345
Romania **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/ExTR20.0014/01](#)

Quality Assessment Reports:

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

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

[NL/DEK/QAR13.0041/06](#)



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

see attachment

Technical data:

Operating temperature: -60°C....+120°C (WFS)
-60°C....+100°C (ZDTR)
-60°C....+130°C (W2C and W2T)

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

SCHEDULE OF LIMITATIONS:

1. The terminal blocks shall be placed inside a suitable IECEx/ATEX certified IP54 enclosure for gas atmosphere. For dust atmosphere the terminal blocks shall be mounted inside a suitable IECEx/ATEX certified 't' enclosure (IEC/EN60079-31).
2. In combination with other terminal block series and sizes and if other accessories are used, the applicable creepage and clearance distances shall be met.
3. The enclosure shall be constructed to block all sun and UV light from affecting the terminal blocks.
4. Regarding the use of accessories the instruction of the manufacturer must be followed.
5. For cross connection accessories the current ratings and the resistances across the terminals have to be considered. Please refer to the "types & electrical rating" of the "Notice to Installers".
6. Fuse holders shall be fully closed all times. Do not remove or replace the fuse when energized.
7. If smaller conductor cross sections than the rated conductor cross sections are used, then the corresponding lower current shall be stated in the Certificate of the complete apparatus.
8. A thermal assessment for the classification into the temperature classes T6.....T1 shall be performed. For the maximum ambient temperature range, refer to the information in the NTI.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

change / correction of manufacturer locations

Annex:

[DE-IECEx_TUR_20.0014 U_02_Attachment.pdf](#)

Device: Terminal Block Series
Type: WFS/W2C/W2T and ZDTR

Manufacturer: Weidmüller Interface GmbH & Co. KG

Address: Klingenbergrstr. 26
32758 Detmold, Germany

The certificate covers the types:

| | | |
|--------------------|------------------------------|---------------------------------|
| WFS 4* | W2C 4 DT* | W2T 4 DT-FT* |
| WFS 4 10-36V* | W2C 4 DT STB* | W2T 4 DT-FT STB* |
| WFS 4 30-70V* | W2C 4 DT-PE* | W2T 4 DT-FT-PE* |
| WFS 4 60-150V* | W2C 4 DT-PE STB* | W2T 4 DT-FT-PE STB* |
| WFS 4 100-250V* | W2C 4 FS-PE BK* | W2T 4 FS-FT BK* |
| WFS 4 BL* | W2C 4 FS-PE 10-36V BK* | W2T 4 FS-FT 10-36V BK* |
| WFS 4 10-36V BL* | W2C 4 FS-PE 30-70V BK* | W2T 4 FS-FT 30-70V BK |
| WFS 4 30-70V BL* | W2C 4 FS-PE 60-150V BK* | W2T 4 FS-FT 60-150V BK* |
| WFS 4 60-150V BL* | W2C 4 FS-PE 100-250V BK* | W2T 4 FS-FT 100-250V BK* |
| WFS 4 100-250V BL* | W2C 4 FS 10-36V BK* | W2T 4 FS-FT BK STB* |
| WFS 4 DB* | W2C 4 FS 30-70V BK* | W2T 4 FS-FT 10-36V BK STB* |
| WFS 4 10-36V DB* | W2C 4 FS 60-150V BK* | W2T 4 FS-FT 30-70V BK STB* |
| WFS 4 30-70V DB* | W2C 4 FS 100-250V BK* | W2T 4 FS-FT 60-150V BK STB* |
| WFS 4 60-150V DB* | W2C 4 FS-PE BK* | W2T 4 FS-FT 100-250V BK STB* |
| ZDTR 2.5* | W2C 4 FS-PE 10-36V BK* | W2T 4 FS-FT-PE BK* |
| ZDTR 2.5 BL* | W2C 4 FS-PE 30-70V BK* | W2T 4 FS-FT-PE 10-36V BK* |
| | W2C 4 FS-PE 60-150V BK* | W2T 4 FS-FT-PE 30-70V BK* |
| | W2C 4 FS-PE 100-250V BK* | W2T 4 FS-FT-PE 60-150V BK* |
| | W2C 4 FS BK STB* | W2T 4 FS-FT-PE 100-250V BK* |
| | W2C 4 FS 10-36V BK STB* | W2T 4 FS-FT-PE BK STB* |
| | W2C 4 FS 30-70V BK STB* | W2T 4 FS-FT-PE 10-36V BK STB* |
| | W2C 4 FS 60-150V BK STB* | W2T 4 FS-FT-PE 30-70V BK STB* |
| | W2C 4 FS 100-250V BK STB* | W2T 4 FS-FT-PE 60-150V BK STB* |
| | W2C 4 FS-PE BK STB* | W2T 4 FS-FT-PE 100-250V BK STB* |
| | W2C 4 FS-PE 10-36V BK STB* | |
| | W2C 4 FS-PE 30-70V BK STB* | |
| | W2C 4 FS-PE 60-150V BK STB* | |
| | W2C 4 FS-PE 100-250V BK STB* | |

Optional accessories:

| | |
|------------------|--|
| End plate | WEP 2C 4*, WEP 2T 4*, WAP 2.5-10 SW*, AP ZDTR2.5* |
| End bracket | WEW 35/2 SW*, ZEW 35* |
| Terminal rail | TS 35/...acc. to DIN EN 60715 |
| Cross connection | ZQV 4N ^{(1)*} , ZQV 2.5N ⁽¹⁾ GE, |

⁽¹⁾: number of contacts

*: in all colours (not Ex relevant).