



UNITED KINGDOM CONFORMITY ASSESSMENT

UK TYPE EXAMINATION CERTIFICATE

Component Intended for use on/in an Product or Protective System Intended for use in Potentially Explosive Atmospheres

UKSI 2016:1107 (as amended) – Schedule 3A, Part 1

- 3 Type Examination Certificate No.: **TÜV 22 UKEX 7090 U** Issue: **00**
- 4 Product: **Terminal Series, W2C***
- 5 Manufacturer: **Weidmüller Interface GmbH & Co. KG**
- 6 Address: **Klingenbergstr. 26
32758 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 TÜV Rheinland UK Ltd, Approved Body number 2571, in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), 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 Schedule 1 of the Regulations.
- The examination and test results are recorded in the confidential report **557 / UKEx 7090.00 / 22**
- 9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018 EN IEC 60079-7:2015+A1:2018

Except in respect of those requirements listed at section 18 of the schedule to this certificate.

- 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 the basis for certification of an equipment or protective system.
- 11 This TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- 12 The marking of this product shall include the following:

 **II 2 GD Ex eb IIC Gb**

This certificate and its schedules may only be reproduced in its entirety and without change.

TÜV Rheinland UK Ltd

Solihull, 2023-04-29


Klauspeter Graffi


This Type Examination Certificate without signature shall not be valid. Alterations are subject to approval by
TÜV Rheinland UK Ltd, 1011 Stratford Road, Shirley, Solihull, B90 4BN, Tel. +44 (0) 121 7969400
A UKAS accredited certification body, No. 8400

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15 Description of Product

Subject and type

Terminal Series

W2C 4 ..

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)*

(1): number of contacts

*in all colours (not Ex relevant).

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. (associated with this certificate issue): 557 / UKEx 7090.00 / 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

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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.

18 Essential Health and Safety Requirements (Regulations Schedule 1)

In addition to the Essential Health and Safety Requirements covered by the standards listed at item 9, all other requirements are demonstrated in the relevant reports.

19 Drawings and Documents

Reg. no.	Document title:	Document no.:	Rev.:	Date:
1.	NTI W2C4 FT_W2C4 FT-PE	D1568766	01	03.2023
2.	Anordnungstabelle W2C 4 FT+PE_with ZQV 4N	D1564367	0	-
3.	W2C 4 FT...APPROVAL (2 sheets)	76993	0	-
4.	Draft Attestation of Conformity	PT1001 170423 003	00	20.04.2023
5.	Draft Attestation of Conformity	PT1001 170423 004	00	20.04.2023