



UNITED KINGDOM CONFORMITY ASSESSMENT

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 6

- 3 Type Examination Certificate No.: **TÜV 22 UKEX 7091 U** Issue: **00**
- 4 Product: **Terminal Block Series, WFS/W2C/W2T/ZDTR**
- 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 7091.00 / 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/ 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 3 G Ex ec IIC Gc**

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

TÜV Rheinland UK Ltd

Solihull, 2023-05-17


Klauspeter Graff


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

13 SCHEDULE TO UK TYPE EXAMINATION CERTIFICATE

14 CERTIFICATE NUMBER TÜV 22 UKEX 7091 U

15 Description of Product

Subject and type

Terminal Block Series

WFS/W2C/W2T and ZDTR

General product information

The terminal block series WFS/W2C/W2T and ZDTR is for the connection of copper conductors in enclosures. The type of protection is increased safety, "e" - Level of Protection "ec" (EPL "Gc").

The certificate covers the types:

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

Optional accessories:

End plate

WEP 2C 4*, WEP 2T 4*, WAP 2.5-10 SW*,
AP ZDTR2.5*

End bracket

WEW 35/2 SW*, ZEWS 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).

13 SCHEDULE TO UK TYPE EXAMINATION CERTIFICATE

14 CERTIFICATE NUMBER TÜV 22 UKEX 7091 U

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.

16 Test report No. (associated with this certificate issue): 557 / UKEx 7091.00 / 22

17 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.

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	Certification Package			
2	UKEX_conformity declaration			