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 24.0066U**

Certificate history:
Issue 0 (2024-11-29)

Status: **Current**

Issue No: 1

Date of Issue: 2025-12-02

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

Ex Component: Terminal blocks, ALDT Series and ALFS Series

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:

TUV Rheinland Industrie Service GmbH
Am Grauen Stein
51105 Cologne
Germany

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Certificate No.: **IECEx TUR 24.0066U**

Date of issue: 2025-12-02 Issue No: 1

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

Manufacturing locations:

S.C. Weidmüller Interface Româmia 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/ExTR24.0066/00

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:

Test-disconnect terminal blocks (ALDT Series) and fuse terminal blocks (ALFS Series) designed for use in potentially explosive gas atmospheres.

The certificate covers the types

ALFS 4 2C BK

ALFS 4 2C 10-36V BK

ALFS 4 2C 30-70V BK

ALFS 4 2C 60-150V BK

ALFS 4 2C 100-250V BK

ALDT 4 2C

ALDT 2.5 2C

ALDT 2.5 3C

ALDT 2.5 4C

Optional accessories:

End Plate	ALEP DT 2.5 *C or ALEP DT 4 *C
End bracket	AEB 35 SC/1
Terminal rail	TS 35/… acc.to DIN EN 60715
Cross-connection	ZQV 2.5N/** or ZQV 4N/**

*: number of contacts or conductor size.

Terminals and accessories are available in all colours.

Operating temperature: -60°C…+130°C (insulating material limit).

For other technical data refer to the “Installation instructions & conditions for safe use” for each terminal type.

SCHEDULE OF LIMITATIONS:

1. The enclosure shall be constructed to block all sun and UV light from affecting the terminal blocks.
2. The fuse terminal blocks shall be placed inside a suitable IECEx/ATEX certified IP54 enclosure for gas atmosphere.
3. When using the terminal blocks with other terminal block series, sizes, or accessories, the requirements for clearance and creepage distances of IEC/EN 60079-7 must be maintained.
4. 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.
5. Regarding the use of covers, cross-connectors, end brackets and accessories the instructions of the manufacturer must be followed.
6. The fuse terminal blocks 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.
7. For cross connection accessories current rating, resistance across the terminal please refer to the table under “Technical data” of related NTI document.
8. A thermal assessment for the classification into the temperature classes T6…..T1 shall be performed. No part of terminal block must exceed 130 °C under any condition.
9. The insulation material of the conductors shall meet the temperature requirements.

- Cross connections with blank ends shall not be used.-
- Manually cut cross connections shall not be used.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
change / correction of manufacturer locations