(1) TYPE EXAMINATION CERTIFICATE

(2) Equipment and Protective Systems intended for use in Potentially Explosive Atmosphere - **Directive 2014/34/EU**

(3) Type-Examination Certificate Number

TÜV 24 ATEX 9181U Issue: 00

(4) Equipment: **Terminal blocks, ALDT Series and ALFS Series**

(5) Manufacturer: **Weidmüller Interface GmbH & Co. KG**
(6) Address: **Klingenbergstr. 26**
32758 Detmold, Germany

(7) This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) The TÜV Rheinland Zertifizierungsstelle für Explosionsschutz of TÜV Rheinland Industrie Service GmbH, in accordance with Article 21 of the Council Directive 2014/34/EU of 26th February 2014, certifies this product which has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmosphere, given in Annex II to the Directive.

The examination and test results are recorded in the confidential report 557/Ex9181.00/24

(9) Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:

EN IEC 60079-0: 2018 **EN IEC 60079-7:2015 / A1:2018**

(10) If the sign "U" is placed after the certificate number, it indicates that the component is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This Type Examination Certificate relates only to the design and specification for construction of the equipment or protective system. It does not cover the process for actual manufacture or supply of the equipment or protective system, for which further requirements of the directive are applicable.

(12) The marking of the equipment shall include the following:

II 3 G Ex ec IIC Gc

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz Cologne, 2024-11-29

Dipl.-Ing. Christian Mehrhoff

Notified body • TÜV Rheinland Industrie Service • 0035

This Type Examination Certificate without signature and stamp shall not be valid.
This Type Examination Certificate may be circulated only without alteration. Extracts or alterations are subject to approval by the TÜV Rheinland Industrie Service GmbH TÜV Rheinland Group Am Grauen Stein 51105 Köln
Tel. +49 (0) 221 806-0 Fax. + 49 (0) 221 806 114

(13) Annex

(14) # Type Examination Certificate

TÜV 24 ATEX 9181 U

Issue: 00

(15) Description of equipment

15.1 Equipment and type:

Terminal blocks
ALDT Series and ALFS Series

15.2 Description / Details of Change

General product information
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.

Technical Data

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.

(16) Test-Report No. 557/Ex9181.00/24

(17) 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

(18) Basic Safety and Health Requirements

Covered by afore mentioned standard

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz Cologne, 2024-11-29

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Zertifizierungsstelle of TÜV Rheinland Industrie Service GmbH