(1) EU-TYPE EXAMINATION CERTIFICATE

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

(3) EU-Type Examination Certificate Number

TÜV 16 ATEX 7909 U

Issue: 11

(4) Component: **Terminal type A* Series**

(5) Manufacturer: **Weidmüller Interface GmbH & Co. KG**
(6) Address: **Klingenbergstraße 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 certification body for explosion protection of TÜV Rheinland Industrie Service GmbH, Notified Body No. 0035 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 / Ex 7909.11 / 16.
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 limitations for safe use specified in the schedule to this certificate.

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

II 2 GD Ex eb IIC Gb

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

Cologne, 05.03.2024

Dipl.-Ing. Christian Mehlhoff

ATEX Notified body • TÜV Rheinland Industrie Service GmbH 0035

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(13) Annex

(14) **EU-Type Examination Certificate**

TÜV 16 ATEX 7909 U Issue: 11

(15) Description of equipment

15.1 Equipment and type:

Terminal, A* Series

15.2 General product information

The Feed-through and protective conductor terminals of the A-series are suitable for use in enclosures in atmospheres with flammable gases or combustible dust.

A2C 1.5
A2C 1.5 PE
A4C 1.5
A4C 1.5 PE
A2C 2.5
A2C 2.5 PE
A3C 2.5
A3C 2.5 PE
A4C 2.5
A4C 2.5 PE
A2C 4
A2C 4 PE
A4C 4
A4C 4 PE
A2C 6
A2C 6 PE
A3C 6
A3C 6 PE
A2T 2.5
A2T 2.5 FT-PE
A2T 2.5 VL
A2T 2.5 PE
ALO 6
A3C 1.5
A3C 1.5 PE
A3C 4
A3C 4 PE

A2C 2.5 /DT/FS
A2C 2.5 PE/DT/FS
A3T 2.5
A3T 2.5 PE
A3T 2.5 FT-FT-PE
A3T 2.5 N-FT-PE
A3T 2.5 VL
AMC 2.5
AMC 2.5 800V
A2C 10
A2C 10 PE
A3C 10
A3C 10 PE
A2T 1.5
A2T 1.5 FT-PE
A2T 1.5 VL
A2T 1.5 PE
A2C 16
A2C 16 PE
A3C 16
A3C 16 PE
ALO 16
A2T 2.5 3C
A2T 2.5 3C FT-PE
A2T 2.5 3C VL
A2T 2.5 3C PE

A2T 4
A2T 4 FT - PE
A2T 4 VL
A2T 4 PE
A2C 35
A2C 35-DM
A2C 35 PE
A2C 35 3FT-N-PE
A2C 35 3FT-N
A2C 35 3FT-PE
A2C 35 3FT
A2C 35 3FT-FE
A2C 35 3FT-N-FE
A2C 35 3FT-N-FE-DM
A2C 35 3FT-N-DM
A2C 35 3FT-FE-DM
A2C 35 3FT-DM
A2C 50/70
A2C 50/70-DM
A2C 50/70 PE
A2C 50/70 3FT-N-FE
A2C 50/70 3FT-N
A2C 50/70 3FT-FE
A2C 50/70 3FT
A2C 50/70 3FT-N-FE-DM
A2C 50/70 3FT-N-DM
A2C 50/70 3FT-FE-DM
A2C 50/70 3FT-DM

A2C 95/120
A2C 95/120 DM
A2C 95/120 PE
A2C 95/120 3FT-N-FE
A2C 95/120 3FT-N
A2C 95/120 3FT-FE
A2C 95/120 3FT
A2C 95/120 3FT-N-FE-DM
A2C 95/120 3FT-N-DM
A2C 95/120 3FT-FE-DM
A2C 95/120 3FT-DM
A3T 1.5
A3T 1.5 VL
A3T 1.5 PE
A3T 1.5 FT-FT-PE
A3T 1.5 N-FT-PE
A4C 6
A4C 6 PE
A2C 150/185
A2C 150/185-DM
A2C 150/185 3FT
A2C 150/185 3FT-N-FE-DM
A2C 150/185 3FT-DM

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Optional accessories:	
End plate:	AEP ** *.**
End bracket:	AEB 35 SC/1*
	ZEW 35*
Terminal rail:	TS 35/*** acc.to DIN EN 60715
Cross connection pluggable:	ZQV *.*N/**

Terminals and accessories are available in all colours.

Details of change:

The following terminals were added

- A4C 6 *
- A2C 150/185 *
- A2C 95/120 with ZQV 95/120N/2

15.3 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

* See manufacturer's installation instructions of each single terminal type for details.

(16) Test report no. 557 / Ex 7909.11 / 16

(17) Schedule of limitations

1. The Feed-through terminals and PE terminals of the A-series are suitable for use in enclosures in atmospheres with flammable gases or combustible dust. For flammable gases these enclosures must satisfy the requirements according to EN 60079-0 and EN 60079-7. For combustible dust the enclosure must satisfy the requirements according to EN 60079-0 and EN 60079-31.
2. The enclosure shall be constructed to block all sun and UV light from affecting the terminal blocks. The terminal blocks shall be placed inside a suitable certified IP54 enclosure in type of protection "e" for gas atmosphere. For dust atmosphere the terminal blocks shall be mounted inside a suitable certified enclosure (EN 60079-31) in type of protection "t".
3. 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 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)

4. When using the Feed-through terminals and PE terminals especially with other terminal blocks series or sizes or accessories the requirements for clearance and creepage distances according to table 1 of EN 60079-7 must be observed. Regarding the use of covers, cross-connectors and end brackets the instructions of the manufacturer must be followed.
5. For cross connection accessories, current rating, resistance across the terminal please refer to the table under "Technical data" of the "Notice to Installers".
6. 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.
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. Manually cut cross connections and cross connections with blank ends (ZQV´s ≥ 20 poles) shall not be used.

(18) Basic Safety and Health Requirements

Covered by afore mentioned standards.

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz — Cologne, 05.03.2024

Dipl.-Ing. Christian Mehrhoff

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