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 17.0030U**

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Certificate history:
Issue 1 (2021-06-04)
Issue 0 (2017-11-16)

Status: **Current**

Issue No: 2

Date of Issue: 2022-11-03

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

Ex Component: Terminals A-Series, fuse terminal blocks

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 e**

Marking: Ex ec IIC Gc

Approved for issue on behalf of the IECEx Certification Body: **Dipl. -Ing. Klauspeter Graffi**

Position: **Head of Certification Body**

Signature:
(for printed version)

Date:
(for printed version) 2022-11-03

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

TÜVRheinland

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

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

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 Edition:7.0 — Explosive atmospheres - Part 0: Equipment - General requirements

IEC 60079-7:2017 Edition:5.1 — Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

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/ExTR17.0030/02

Quality Assessment Report:

NL/DEK/QAR12.0052/07

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Ex Component(s) covered by this certificate is described below:

The fuse terminal blocks of the A- series is for connection of copper conductors in enclosures. The type of protection is increased safety, "e" - Level of Protection "ec" (EPL "Gc").

This assessment covers the types

AFS 4 2C **

AFS 4 2C 10-36V **

AFS 4 2C LED 30-70V **

AFS 4 2C LED 60-150V **

AFS 4 2C LED 100-250V **

AAP21 4 FS*

AAP21 4 FS 10-36V*

AAP21 4 FS 30-70V*

AAP21 4 FS 60-150V*

AAP21 4 FS 100-250V*

AAP22 4 LI-FS*

AAP22 4 LI-FS 10-36V*

AAP22 4 LI-FS 30-70V*

AAP22 4 LI-FS 60-150V*

AAP22 4 LI-FS 100-250V*

A2T 4 FS-FT **

A2T 4 FS-FT-PE

Optional accessories:

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

Technical data:

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

All other technical data can be seen in the referenced Notice to Installers

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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. The enclosure shall be constructed to block all sun and UV light from affecting the terminal blocks

3. 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.

4. For cross connection accessories the current ratings and the resistances across the terminals have to be considered. Please refer to the table within the "Notice to Installers".

6. The insulation material of the conductors shall meet the temperature requirements.

7. In combination with other terminal block series and sizes and if other accessories are used, the applicable creepage and clearance distances shall be met..

8. The fuse holder shall be fully closed all times. Do not remove or replace the fuse when energized.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

- A2T 4 FS-FT ** and A2T 4 FS-FT-PE were added.