



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx TUR 16.0036U Issue No: 2 Certificate history:
Status: Current Issue No. 2 (2017-11-08)
Date of Issue: 2017-11-08 Page 1 of 5 Issue No. 1 (2017-07-27)
Issue No. 0 (2017-02-16)
Applicant: Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
32758 Detmold
Germany
Equipment: Terminals type A* Series
Optional accessory: End plate, end bracket, terminal rail, cross connection
Type of Protection: Ex eb
Marking: Ex eb IIC Gb

Approved for issue on behalf of the IECEx
Certification Body:

Dipl.-Ing. Andreas Maschke

Position:

Deputy Head of Certification Body

Signature:
(for printed version)

Date:

2017-11-08

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

TUV Rheinland Industrie Service GmbH
Am Grauen Stein
51105 Cologne
Germany





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Manufacturer: **Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 16
32758 Detmold
Germany

Additional Manufacturing location(s):

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 electrical apparatus 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 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0
IEC 60079-7 : 2015 Explosive atmospheres – Part 7: Equipment protection by increased safety "e"
Edition:5.0

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[DE/TUR/ExTR16.0036/02](#)

Quality Assessment Report:

[NL/DEK/QAR12.0052/05](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

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.

Technical data: See manufacturer's installation instructions of each single terminal type for details.

More information see annex.

SPECIFIC CONDITIONS OF USE: NO



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Terminals 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 and AMC 2.5 800V were added to the certification



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Additional information:

Annex:

[IECEX TUR 16.0036U_02_attachment.pdf](#)



Device: Terminal
Type: A* Series

Manufacturer: Weidmüller Interface GmbH & Co. KG

Address: Klingenbergstraße 16,
32758 Detmold, Germany

Equipment and type

Terminal type A* Series

With type designations as follows:

A2C 1.5	A2T 2.5
A2C 1.5 PE	A2T 2.5 FT-PE
A4C 1.5	A2T 2.5 VL
A4C 1.5 PE	A2T 2.5 PE
A2C 2.5	ALO 6,
A2C 2.5 PE	A3C 1.5
A3C 2.5	A3C 1.5 PE
A3C 2.5 PE	A3C 4
A4C 2.5	A3C 4 PE
A4C 2.5 PE	A2C 2.5 /DT/FS
A2C 4	A2C 2.5 PE/DT/FS
A2C 4 PE	A3T 2.5
A4C 4	A3T 2.5 PE
A4C 4 PE	A3T 2.5 FT-FT-PE
A2C 6	A3T 2.5 N-FT-PE
A2C 6 PE	A3T 2.5 VL
A3C 6	AMC 2.5
A3C 6 PE	AMC 2.5 800V

Optional accessories:

End plate:	AEP *C *.*
End bracket:	AEB 35 SC/1*
Terminal rail:	TS 35/**
Cross connection pluggable:	ZQV *.*N/**

General product information

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.

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.

“Schedule of limitations” for Ex component:

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 IEC 60079-0 and IEC 60079-7. For combustible dust the enclosure must satisfy the requirements according to IEC 60079-0 and IEC 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 (IEC 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's ambient temperature range is not exceeded. No part of terminal block must exceed +110 °C under any condition.

T6	-60°C up to +40 °C
T5	-60°C up to +55 °C
T4	-60°C up to +70 °C
4. When using the types A*C *.* and A*C *.* PE especially with other terminal blocks series or sizes or accessories the requirements for clearance and creepage distances according to table 1 of IEC 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 “types & electrical rating” in the manufacturer's instructions. Details on creepages and clearance values and the required torque values please see “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 \geq 20 poles) shall not be used.