

(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 16 ATEX 7939 U

Issue: 03

- (4) Component: **Terminals A-Series, type disconnect terminals**
- (5) Manufacturer: **Weidmüller Interface GmbH & Co. KG**
- (6) Address: **Klingenbergrstr. 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 / Ex 7939.03 / 16.

- (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) The sign "U" is placed after the certificate number. It indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as the basis for certification of an equipment or protective system.
- (11) This Type Examination Certificate relates only to the design and specification for construction of the product. It does not cover the process for actual manufacture or supply of the product, 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, 2022-11-03

Dipl.-Ing. Klaus Peter Graff



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.
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(13)

Annex

(14)

Type Examination Certificate

TÜV 16 ATEX 7939 U

Issue: 03

(15)

Description of component

15.1 Subject and type

Terminals A-Series, type disconnect terminals

15.2 Description

The disconnect terminals of the A-series are suitable for application in enclosures in atmospheres with flammable gases or combustible dust. The type of protection is increased safety, "e" - Level of Protection "ec" (EPL "Gc").

The certificate covers the types

ADT 2.5 2C*	A2T 2,5 DT/DT
ADT 2.5 3C*	A2T 2,5 DT/FT
ADT 2.5 4C*	A2T 4 DT-FT
ADT 4 2C*	A2T 4 DT-FT-PE
AAP21 4 DT*	

where * is not Ex relevant.

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/**

Details of change:

- The following terminals were added to the certification:
 - A2T 2,5 DT/DT
 - A2T 2,5 DT/FT
 - A2T 4 DT-FT
 - A2T 4 DT-FT-PE

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15.3 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

(16) Test Report No. 557 / Ex 7939.03 / 16

(17) 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 under "Notice to Installers".
5. Manually cut jumper and jumpers with blank ends shall not be used.
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.

(18) Basic Safety and Health Requirements

Covered by afore mentioned standards.

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