

# (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 7940 U**

Issue: 03

- (4) Component: **Terminal block type APGTB \***
- (5) Manufacturer: **Weidmüller Interface GmbH & Co. KG**
- (6) Address: **Klingenbergsstr. 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, Notified Body No. 0035 in accordance with Article 21 of the Council Directive 2014/34/EU of 26<sup>th</sup> 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.
- (9) The examination and test results are recorded in the confidential report 557 / Ex 7940.03 / 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**

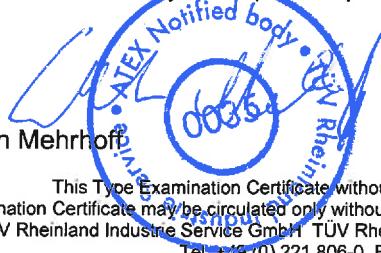
- (10) If the sign "U" is placed after the certificate number, it indicates that the equipment is subject to limitations specified in the schedule to this certificate.
- (11) This Type Examination Certificate relates only to the design and specification for construction of the product. It does not cover 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:

**Ex II 3 G Ex ec IIC Gc**

TÜV Rheinland certification body for explosion protection

Cologne, 2021-05-27

Dipl.-Ing. Christian Mehrhoff



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  
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(13)

Annex

(14)

## Type Examination Certificate

### TÜV 16 ATEX 7940 U

Issue: 03

(15)

#### Description of component

##### 15.1 Subject and type

Terminal Block Series APGTB \*

##### 15.2 Description / Details of Change

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

The certificate covers the types

APGTB 2.5 2T 4C/2\*, APGTB 2.5 2T FT-PE 4C/2\*, APGTB 2.5 2T PE 4C/2\*,  
 APGTB 2.5 2T VL 4C/2\*, APGTB 2.5 FT 2C/1\*, APGTB 2.5 PE 2C/1\*,  
 APGTB 2.5 FT 3C/1\*, APGTB 2.5 PE 3C/1\*, APGTB 2.5 FT 4C/2\*, APGTB 2.5 PE 4C/2\*,  
 APGTB 1.5 FT 2C/1\*, APGTB 1.5 PE 2C/1\*, APGTB 1.5 FT 3C/1\*, APGTB 1.5 PE 3C/1\*,  
 APGTB 1.5 FT 4C/2\*, APGTB 1.5 PE 4C/2\*, APGTB 1.5 2T 4C/2\*, APGTB 1.5 2T FT-PE  
 4C/2\*, APGTB 1.5 2T PE 4C/2\*, APGTB 1.5 2T VL 4C/2\*  
 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
In combination with:	APG */1* APG */2* APG */3* APG */4* APG */5* APG */6* APG */7* APG */8* APG */9* APG */10* APG */L* APG */MI* APG */R* APG */5-3BG-BL-GNYL APG */4-3BG-GNYL APG */3-BG-BL-GNYL
Cross connection pluggable:	ZQV **/**
Looking clip	ZVR ZP* APGLE *

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**Details of change:**

- Standard update.
- Change of manufacturers address.
- Reduction of operating temperature.

**15.3 Technical Data**

Operating temperature: -60°C....+130°C

For other technical data refer to the "Installation instructions & condition of safe use" for each type of terminal.

(16) Test Report No. 557 / Ex 7940.03 / 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 "types & electrical rating" above.
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

(18) Basic Safety and Health Requirements

Covered by afore mentioned standards.

TÜV Rheinland certification body for explosion protection

Cologne, 27.05.2021

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