



Translation

(1) EU-Type Examination Certificate

(2) Equipment and protective systems intended for use in potentially explosive atmospheres, **Directive 2014/34/EU**

(3) **Certificate Number** TÜV 06 ATEX 552826 X **Issue:** 01

(4) for the product: low-impedance tester type ΩMegaSafe EP4Ex

(5) of the manufacturer: **Rudolph Tietzsch GmbH & Co. KG**

(6) Address: Willringhauser Straße 18
58256 Ennepetal
Germany

Order number: 8003079418

Date of issue: See signature

(7) The design of this product and any acceptable variation thereto are specified in the schedule to this EU-Type Examination Certificate and the documents therein referred to.

(8) The TÜV NORD CERT GmbH, Notified Body No. 0044, in accordance with Article 17 of the Directive 2014/34/EU of the European Parliament and the Council of 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.
The examination and test results are recorded in the confidential ATEX Assessment Report No. 24 203 387476.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0: 2018/AC:2020-02

EN 60079-11: 2012

except in respect of those requirements listed at item 18 of the schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions for Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design, and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

(12) The marking of the product shall include the following:

 **II 2 G Ex ib IIC T4 Gb**

TÜV NORD CERT GmbH, Am TÜV 1, 45307 Essen, notified by the central office of the countries for safety engineering (ZLS), Ident. Nr. 0044, legal successor of the TÜV NORD CERT GmbH & Co. KG Ident. Nr. 0032

The head of the notified body

(13) **SCHEDULE**

(14) **EU-Type Examination Certificate TÜV 06 ATEX 552826 X Issue 01**

(15) **Description of product:**

The low-impedance tester Ω MegaSafe EP4Ex is used to measure resistance in earthing and lightning protection systems as well as protective conductor networks.

Electrical data:

Power supply (internal battery) U = 9 V, block battery type Energizer Industrial 6LR61

Measurement circuit (plug, socket) In type of protection intrinsic safety Ex ib IIC
with the following maximum values:

$U_o = 8,7 \text{ V}$

$I_o = 220 \text{ mA}$

$P_o = 1,3 \text{ W}$

Characteristic: rectangular

The effective internal inductances and capacitances are negligibly small.

Maximum permissible external inductance: 0.2 mH

Maximum permissible external capacitance: 5.0 μF

The aforementioned maximum values of the external reactances only apply if simultaneous occurrence does not have to be considered.

Permissible ambient temperature range:

The permissible ambient temperature range is -10 °C to +40 °C.

(16) Drawings and documents are listed in the ATEX Assessment Report No. 24 203 387476

(17) **Specific Conditions for Use:**

In potentially explosive areas, the device may only be used on de-energized system components; external voltages must be excluded.

(18) **Essential Health and Safety Requirements:**

No additional ones

- End of EU-Type Examination Certificate -