

[1] **EU-TYPE EXAMINATION CERTIFICATE - TRANSLATION**



[2] Equipment and protective systems intended for use in potentially explosive atmospheres, directive 2014/34/EU

[3] EU-Type Examination Certificate Number **IBExU02ATEX1096 X** | Issue 1

[4] Equipment: **Rotary Drives**
Type: TA 130/ and TA 140/.

[5] Manufacturer: TA Roloff Technischer Apparatebau GmbH

[6] Address: Adlerhorst 5
22459 Hamburg
GERMANY

[7] This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

[8] IBExU Institut für Sicherheitstechnik GmbH, Notified Body number 0637 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 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 test report IB-20-3-0135.

[9] Compliance with the essential health and safety requirements has been assured by compliance with:
EN IEC 60079-0:2018 EN 60079-1:2014 EN IEC 60079-7:2015/A1:2018
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 of 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 product. These are not covered by this certificate.

[12] The marking of the product shall include the following:

Ex II 2 G Ex db eb IIC T6 Gb
T_a -40 °C or -20 °C ... +40 °C

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By order

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Certificates without seal and signature are not valid. Certificates may only be duplicated completely and unchanged. In case of dispute, the German text shall prevail.



Freiberg, 2025-12-19

[13]

Schedule

[14]

Certificate Number IBExU02ATEX1096 X | Issue 1

[15] **Description of product**

The Rotary Drives type TA 130/. and TA 140/. serve as control unit for the operation of armatures, i. g. dampers, ball valves and valves. The flameproof enclosure consists of a cover and a bottom plate, which is attached on a gear case. The electrical units, as well as drive motors, micro switches, transformer, placed in the flameproof enclosure. They are mounted on the bottom plate. The electric connection is carried out via the terminal compartment in type of protection increased safety.

Technical data

- Nominal voltage:	24...48 V DC, 220 V DC or 220...400 V AC (50/60 Hz)
- Nominal current:	max. 5 A
- Nominal power:	max. 120 W
- Torque:	max. 280 Nm (TA 130/.) or 1500 Nm (TA 140/.)
- Degree of protection acc. to EN 60529:	min. IP54 (terminal compartment)
- Ambient temperature range:	-20 °C up to +40 °C (standard) -40 °C up to +40 °C (special design)

The precise electrical data and operating modes are specified on the type plate and in the data sheet included in the operating instructions.

Variations compared to the EC-Type Examination Certificate and its addition:

- The Rotary Drives meet the requirements of the current editions of the standards.
- The Rotary Drives can also be operated at frequencies up to 60 Hz.
- The enclosure has been slightly modified.

[16] **Test report**

The test results are recorded in the confidential test report IB-20-3-0135 of 2025-12-17.
The test documents are part of the test report and they are listed there.

Summary of the test results

The Rotary Drives type TA 130/. and TA 140/. fulfil the requirements of explosion protection for equipment of Group II, Category 2 G, type of protection flameproof enclosure "db" in combination with increased safety "eb".

[17] **Special conditions for use**

- Repairs of the flameproof joints must be made in compliance with the constructive specifications provided by the manufacturer. Repairs must not be made on the basis of values specified in tables 2 and 3 of EN 60079-1.
- The Rotary Drives can also be operated in an extended temperature range from -40 °C to +40 °C. When used below -20 °C, the cable gland and the connection cable must be suitable for the corresponding operating temperature.
- The Rotary Drives are designed for 90° short-term operation; they are not permitted for use in 360° continuous operation (rotary operation).

[18] **Essential health and safety requirements**

In addition to the essential health and safety requirements (EHSRs) covered by the standards listed at item [9], the following are considered relevant to this product, and conformity is demonstrated in the test report:

- not applicable -

[19] Drawings and documents

The documents are listed in the test report.

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