

CERTIFICATE

(1) Type Examination

(2) **Product intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) Type Examination Certificate Number: **DEKRA 11ATEX0080X** Issue Number: **7**

(4) Product: **Fieldbus Components / EtherCAT Box Modules Type EP ...**

(5) Manufacturer: **Beckhoff Automation GmbH & Co. KG**

(6) Address: **Hülshorstweg 20, 33415 Verl, Germany**

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) DEKRA Certification B.V., 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 Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014.

The examination and test results are recorded in confidential test report mentioned in item (16).

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

EN IEC 60079-0 : 2018

EN 60079-7 : 2015 + A1 : 2018

EN 60079-31 : 2014

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 Type Examination Certificate relates only to the design and construction of the specified product and not to the manufacturing process and its monitoring.

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



**II 3 G
II 3 D**

**Ex ec IIC T4 Gc and
Ex tc IIIC T135 °C Dc**

Date of certification: **4 March 2025**

DEKRA Certification B.V.

R. Schuller
Certification Manager

(13) **SCHEDULE**

(14) **to Type Examination Certificate DEKRA 11ATEX0080X**

Issue No. 7

(15) **Description**

Fieldbus Components / EtherCAT Box Modules Type EP ... for use in I/O and Fieldbus systems.

For description, type code and thermal data, see Annex 1 to test report mentioned in item (16).

Electrical data

For electrical data of the supply and the input and output circuits, see Annex 1 to test report mentioned in item (16).

Installation instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

NL/DEK/ExTR23.0014/01

(17) **Specific conditions of use**

To avoid an electrostatic charge, wipe the enclosure surface with a damp cloth only.

The equipment shall only be used in an environment where it is protected against exposure to UV light.

The modules should be installed in a protective enclosure that guarantees a protection against mechanical hazards, according to the documentation.

For use in Zone 2/22 the equipment shall be installed in a suitable protective housing that meets the requirements of the impact resistance test according to EN IEC 60079-0.

When used in an area requiring the use of equipment with EPL Gc, the following additional conditions apply:

The equipment shall only be used in an area of not more than pollution degree 2, as defined in EN 60664-1.

Provisions shall be made to prevent the rated voltages from being exceeded by transient disturbances of more than 40%.

Fieldbus connectors may only be disconnected or connected when the system supply is switched off, or when the location is known to be non-hazardous.

Address selectors and ID switches may only be adjusted when the system supply is switched off, or when the location is known to be non-hazardous.

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

Covered by the standards listed at item (9).

(13) **SCHEDULE**

(14) **to Type Examination Certificate DEKRA 11ATEX0080X**

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(19) **Test documentation**

As listed in test report mentioned in item (16).