

CERTIFICATE

(1) Type Examination

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

(3) Type Examination Certificate Number: **DEKRA 16ATEX0077X** Issue Number: **1**

(4) Product: **Embedded PC Series CX51xx, CX53xx and CX56xx**

(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 + A11

EN 60079-7 : 2015 + A1 + A11

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:



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Ex ec IIC T4 GC

Date of certification: **28 November 2025**

DEKRA Certification B.V.

L.G. van Schie
Certification Manager

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Throughout this document, a point is used as the decimal separator.

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(13) **SCHEDULE**

(14) **to Type Examination Certificate DEKRA 16ATEX0077X**

Issue No. 1

(15) **Description**

The Embedded PC Series CX51xx, CX53xx and CX56xx is a control system for use in machine and system engineering for automation, visualization and communication. The embedded PC is designed for DIN rail installation in a control cabinet or terminal box and is used together with Bus or EtherCAT Terminals to receive digital and analog signals from sensors and output them to actuators or forward them to higher-level controllers.

Embedded PC Series CX51xx, CX53xx and CX56xx comprises different embedded PC's, which differ in terms of processor type, RAM, Extension modules, I/O options, optional interface and housing size. Depending on the model code and the options, the Embedded PC consists of components as listed in Annex 1 to test report mentioned in item (16).

Ambient temperature range: -25 °C to +60 °C

Electrical data

Supply: 24 Vdc, max. 4 A.

Installation instructions

The manufacturers instructions shall be followed in detail to assure safe operation.

(16) **Report Number**

NL/DEK/ExTR16.0085/02.

(17) **Specific conditions of use**

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

The equipment shall be installed in a suitable enclosure providing a degree of protection of at least IP54 according to EN IEC 60079-0, taking into account the environmental conditions under which the equipment is used.

Provisions shall be made to prevent the rated voltage from being exceeded by transient disturbances of more than 119 V.

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

Covered by the standards listed at item (9).

(19) **Test documentation**

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