



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEx DEK 17.0019X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 1	Issue 0 (2017-05-05)
Date of Issue:	2025-11-28		
Applicant:	Beckhoff Automation GmbH & Co. KG Hülsthorstweg 20 33415 Verl Germany		
Equipment:	Embedded PC Series CX5100, CX5300 and CX5600		
Optional accessory:			
Type of Protection:	Ex ec		
Marking:	Ex ec IIC T4 Gc		

Approved for issue on behalf of the IECEx
Certification Body:

L.G. van Schie

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

2025-11-28

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

DEKRA Certification B.V.
Meander 1051
6825 MJ Arnhem
Netherlands





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Date of issue: 2025-11-28

Issue No: 1

Manufacturer: **Beckhoff Automation GmbH & Co. KG**
Hülsthorstweg 20
33415 Verl
Germany

Manufacturing locations: **Beckhoff Automation GmbH & Co. KG**
Hülsthorstweg 20
33415 Verl
Germany

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[NL/DEK/ExTR16.0085/02](#)

Quality Assessment Report:

[DE/BVS/QAR16.0010/10](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

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.

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

Electrical data

Supply: 24 Vdc, max. 4 A.

SPECIFIC CONDITIONS OF USE: YES as shown below:

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 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.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Removal of the marking "Ex tc IIIC T135°C Dc"

Assessed per IEC 60079-0:2017 (Ed. 7) and IEC 60079-7:2017 (Ed. 5.1)

Addition of the Embedded PC Series CX53xx and CX56xx

Annex:

[227063700-Annex.pdf](#)