



# 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](http://www.iecex.com)

Certificate No.: **IECEX DEK 23.0017X** Page 1 of 4 [Certificate history:](#)  
Status: **Current** Issue No: 1 [Issue 0 \(2024-12-11\)](#)  
Date of Issue: 2025-03-04  
Applicant: **Beckhoff Automation GmbH & Co. KG**  
Hülsthorstweg 20  
33415 Verl  
Germany  
Equipment: **Fieldbus Components / EtherCAT Box Modules Type EP ...**  
Optional accessory:  
Type of Protection: **Ex ec and Ex tc**  
Marking: Ex ec IIC T4 Gc and  
Ex tc IIIC T135 °C Dc

Approved for issue on behalf of the IECEx  
Certification Body:

**R. Schuller**

Position:

**Certification Manager**

Signature:  
(for printed version)

Date:  
(for printed version)

2025-03-04

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](http://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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Manufacturer: **Beckhoff Automation GmbH & Co. KG**  
Hülshorstweg 20  
Verl 33415  
**Germany**

Manufacturing  
locations:

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 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:2

[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/ExTR23.0014/01](#)

Quality Assessment Report:

[DE/BVS/QAR16.0010/08](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

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

The type code, the ambient temperature range and the temperature class of the modules shall be taken from Table 1, see Annex.

## **Electrical data**

The electrical data of the supply and the input and output circuits shall be taken from Table 1, see Annex 1.

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

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 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 IEC 60664-1.

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



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**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**

Assessment to IEC 60079-31 : 2013 (Ed. 2.0).

**Annex:**

[229398000 Annex 1.pdf](#)