

# CERTIFICATE

## (1) Type Examination

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

(3) Type Examination Certificate Number: **KEMA 10ATEX0075 X** Issue Number: **12**

(4) Product: **Fieldbus Components Type BK ..., Type BC ..., Type KL ..., Type KS ..., Type EK ..., Type EKM ..., Type EL ... and Type ES ...**

(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 no. NL/DEK/ExTR16.0109/06.

(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**

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 Ex ec IIC T4 Gc**

Date of certification: 4 December 2023

DEKRA Certification B.V.

R. Schuller  
Certification Manager

(13) **SCHEDULE**

(14) **to Type Examination Certificate KEMA 10ATEX0075 X**

Issue No. **12**

(15) **Description**

Fieldbus Components Type BK ..., Type BC ..., Type KL ..., Type KS ..., Type EK ..., Type EKM ..., Type EL ... and Type ES ... for use in I/O and Fieldbus systems.

The description, the type code, the ambient temperature range and the temperature class of the components shall be taken from table 1 to NL/DEK/ExTR16.0109/06.

**Electrical data**

The electrical data of the supply and the input and output circuits shall be taken from table 1 to NL/DEK/ExTR16.0109/06.

**Installation instructions**

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

(16) **Report Number**

No. NL/DEK/ExTR16.0109/06.

(17) **Specific conditions of use**

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

The modules 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 will be used.

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

Components may only be removed or inserted when the system supply and the field supply are switched off, or when the location is known to be non-hazardous.

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.

The fuses, present in de the bus function terminals KL92xx may only be replaced when the 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).

(19) **Test documentation**

As listed in Report No. NL/DEK/ExTR16.0109/06.