

CERTIFICATE

(1) Type Examination

(2) **Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC**

(3) Type Examination Certificate Number: **DEKRA 11ATEX0080 X** Issue Number: **1**

(4) Equipment: **Fieldbus Components Type EP ...**

(5) Manufacturer: **Beckhoff Automation GmbH**

(6) Address: **Eiserstrasse 5, 33415 Verl, Germany**

(7) This equipment 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 equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the directive.

The examination and test results are recorded in confidential test report no. 213305100-1.

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

EN 60079-0 : 2006

EN 60079-15 : 2005

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This Type Examination Certificate relates only to the design, examination and tests of the specified equipment and not to the manufacturing process and supply of this equipment.

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



II 3 G Ex nA II T4 or Ex nA nC IIC T4

This certificate is issued on March 31, 2011 and, as far as applicable, shall be revised before the date of cessation of presumption of conformity of (one of) the standards mentioned above as communicated in the Official Journal of the European Union.

DEKRA Certification B.V.

C.G. van Es
Certification Manager

Page 1/2

© Integral publication of this certificate and adjoining reports is allowed. This Certificate may only be reproduced in its entirety and without any change.

All testing, inspection, auditing and certification activities of the former KEMA Quality are an integral part of the DEKRA Certification Group

DEKRA Certification B.V. Utrechtseweg 310, 6812 AR Arnhem P.O. Box 5185, 6802 ED Arnhem The Netherlands
T +31 26 3 56 20 00 F +31 26 3 52 58 00 www.dekra-certification.com Registered Arnhem 09085396

(13) **SCHEDULE**

(14) **to Type Examination Certificate KEMA 11ATEX0080 X**

Issue No. 1

(15) **Description**

Fieldbus Components Type EP ... 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 ATEX1103FB02AS2, rev. 2.

Electrical data

The electrical data of the supply and the input and output circuits shall be taken from drawing ATEX1103FB02AS2, rev. 2.

Installation instructions

The manual provided with the equipment shall be followed in detail to assure proper and safe operation.

(16) **Test Report**

No. 213305100-1.

(17) **Special conditions for safe use**

1. Fieldbus connectors should be installed in a protection enclosure according the documentation that guarantees a protection against mechanical hazards.
2. When the temperature under rated conditions exceeds 70 °C at the cable or conduit entry point, or 80 °C at the branching point of the conductors, the temperature specification of the selected cable shall be in compliance with the actual measured temperature values.
3. Provisions shall be made to prevent the rated voltages from being exceeded by transient disturbances of more than 40%.
4. 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.

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

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. 213305100-1.