

Translation

# EU-Type Examination Certificate Supplement 2

Change to Directive 2014/34/EU

Equipment intended for use in potentially explosive atmospheres  
Directive 2014/34/EU

EU-Type Examination Certificate Number: **BVS 05 ATEX E 039 X**

Product: **Commubox type FXA195-G\***

Manufacturer: **Endress+Hauser SE+Co. KG**

Address: **Hauptstr. 1, 79689 Maulburg, Germany**

This supplementary certificate extends EC-Type Examination Certificate No. BVS 05 ATEX E 039 X to apply to products designed and constructed in accordance with the specification set out in the appendix of the said certificate but having any acceptable variations specified in the appendix to this certificate and the documents referred to therein.

DEKRA Testing and Certification GmbH, Notified Body number 0158, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, 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 the Directive.

The examination and test results are recorded in the confidential Report No. BVS PP 05.2026 EU.

The Essential Health and Safety Requirements are assured in consideration of:

**EN IEC 60079-0:2018**                      **General requirements**  
**EN 60079-11:2012**                      **Intrinsic Safety "i"**

If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Special Conditions for Use specified in the appendix to this certificate.

This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

The marking of the product shall include the following:

 **II (1)G [Ex ia Ga] IIC**  
**II (1)D [Ex ia Da] IIIC**

DEKRA Testing and Certification GmbH  
Bochum, 2021-09-09

Signed: Jörg-Timm Kilisch

Managing Director



13 **Appendix**

14 **EU-Type Examination Certificate**

**BVS 05 ATEX E 039 X  
Supplement 2**

15 **Product description**

15.1 **Subject and type**

Commubox type FXA 195-G\*  
Instead of the \* in the complete denomination letters or numerals will be inserted (not Ex-relevant).

15.2 **Description**

With this supplement the certificate is changed to Directive 2014/34/EU.  
(Annotation: In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016.)

**Reason for the supplement:**

- Change to Directive 2014/34/EU
- Testing according to current standards
- Updating of the documentation
- Reduction of the  $U_m$ -voltage
- Certificate receives X-marking

**Description of the product:**

The Commubox FXA195-G\* USB/Hart Modem connects intrinsically safe smart transmitters with HART protocol to the USB interface of a Windows system.  
The Commubox is supplied with power via the USB interface.

The Commubox is located outside the hazardous area; the intrinsically safe data circuit can be routed into the hazardous area.

**Listing of all components used referring to older standards**

None

15.3 **Parameters**

15.3.1 **Non-intrinsically safe circuits (connecting cable)**

Rated nominal input voltage		DC	5	V
Nominal current			40	mA
Maximum voltage	$U_m$	DC	30	V
Only for connection to a SELV / PELV-supply				

15.3.2	Intrinsically safe output circuit (connection facilities in light blue)				
	Maximum output voltage	$U_o$	DC	6.5	V
	Maximum output current	$I_o$		6.1	mA
	Linear output characteristics				
	Maximum output power	$P_o$		9.9	mW
	Maximum external capacitance	$C_o$		570	$\mu$ F
	Maximum external inductance	$L_o$		100	mH
15.3.3	Intrinsically safe input circuit				
	Maximum input voltage	$U_i$	DC	30	V
	Effective internal capacitance	$C_i$			negligible
	Effective internal inductance	$L_i$			negligible
15.3.4	Ambient temperature range	$T_a$		-20 °C ... +50 °C	

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**17 Special Conditions for Use**

The apparatus may only be connected to SELV / PELV-circuits according to IEC 60950.

**18 Essential Health and Safety Requirements**

The Essential Health and Safety Requirements are covered by the standards listed under item 9.

**19 Drawings and Documents**

Drawings and documents are listed in the confidential report.

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We confirm the correctness of the translation from the German original.  
In the case of arbitration only the German wording shall be valid and binding.

DEKRA Testing and Certification GmbH  
Bochum, 2021-09-09  
BVS-Hil/Mu A20201133

  
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Managing Director