

Translation

Type Examination Certificate

Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014

Type Examination Certificate Number: **BVS 16 ATEX E 085 X** Issue: **01**

Equipment: **Gas analyser type EL3040-...**

Manufacturer: **ABB AG**

Address: **Stierstädter Straße 5, 60488 Frankfurt, Germany**

This product and any acceptable variations thereto are specified in the appendix to this certificate and the documents referred to therein.

DEKRA Testing and Certification GmbH 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 16.2140 EU.
This issue of the Type Examination Certificate replaces the previous issue of the Type Examination Certificate BVS 16 ATEX E 085 X including supplements 1 to 2.

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

EN IEC 60079-0:2018	General requirements
EN IEC 60079-7:2015+A1:2018	Increased Safety "e"
EN IEC 60079-15:2019	Type of Protection "n"

If the sign "X" is placed after the certificate number, it indicates that the product is subject to the "Specific Conditions of Use" listed under item 17 of this certificate.

This 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 3G Ex ec nC IIC T4 Gc**

DEKRA Testing and Certification GmbH
Bochum, 2022-06-24

Signed: Jörg-Timm Kilisch

Managing Director

13 **Appendix**

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15 **Product description**

15.1 **Subject and type**

Gas analyser type EL3040-...

- Type EL3040-O2-Sensor: with integrated O₂-sensor
- Type EL3040-Uras26: with integrated analyser Uras26
- Type EL3040-Caldos27: with integrated analyser Caldos27
- Type EL3040-Magnos206: with integrated analyser Magnos206
- Type EL3040-Magnos28: with integrated analyser Magnos28

15.2 **Description**

The Gas analyser type EL3040-.. is used to measure individual gas components out of a non-flammable gas mixture. The equipment is designed in type of protection "ec" and is equipped with relays in type of protection "nC". Additionally, a or separately confirmed power supply (EU-declaration of conformity / IECEx SIQ 17.0001U) is used.

Reason of the supplement:

- Updating of the standard EN IEC 60079-0:2018
- Change of the manufacturer name to ABB AG

15.3 **Parameters**

15.3.1 **Electrical data**

Supply voltage	AC 100...240	V
Power consumption	up to 187	W

15.3.2 **Pneumatic data**

15.3.2.1 **Flushing gas**

Inlet pressure	≤ 1104	hPa
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15.3.2.2 **Probe**

Inlet pressure	≤ 1600	hPa
Gas flow (atmospheric exhaust)	≤ 100	l/h

15.3.3 **Ambient temperature range**

+5 °C ≤ T_a ≤ +45 °C

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17 **Specific Conditions of Us**

- 17.1 The parameters as per 15.3.2 shall be maintained.
- 17.2 The permissible ambient temperature range is +5 °C up to +45 °C.
- 17.3 The display foil has to be protected against mech. energy > 2 Joule.
- 17.4 The enclosure has to be installed in a way that it is protected against UV-light.
- 17.5 The measuring function is not part of this type examination.

18 **Essential Health and Safety Requirements**

Met by compliance with the requirements mentioned in item 9.

19 **Remarks and additional information**

Drawings and documents are listed in the confidential report.

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, 2022-06-24
BVS-Pz/Mu A 20211015 / 342452200



Managing Director