



Translation

1 **Type Examination Certificate**

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

3 Type Examination Certificate Number: **BVS 16 ATEX E 056 X**

4 Product: **Gas cooler type SCC-C**

5 Manufacturer: **ABB Automation GmbH**

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

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

8 DEKRA EXAM 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 16.2137 EU.

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

EN 60079-0:2012 + A11:2013 General requirements
EN 60079-15:2010 Type of Protection "n"

10 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.

11 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.

12 The marking of the product shall include the following:

 **II 3G Ex nA nC IIC T4 Gc**

DEKRA EXAM GmbH
Bochum, 2016-08-08

Signed: Dr. Franz Eickhoff

Certifier

Signed: Ute Hauke

Approver



13 **Appendix**

14 **Type Examination Certificate
BVS 16 ATEX E 056 X**

15 **Product description**
15.1 **Subject and type**

Gas cooler type SCC-C

15.2 **Description**

The gas cooler type SCC-C is used for the dew point of humid sample gases in the Analysis technology to prevent condensation in analysers.

The gas cooler type SCC-C consists of a hermetically sealed cooling circuit of the type of protection nC with an electrical connection of type of protection nA.

The functional components of the control unit are also carried out in type of protection n.

15.3 **Parameters**

15.3.1 **Electrical data**

Rated voltage	115/230	VAC, 50-60 Hz
Rated current	4.5/ 2.5	A
Rated powermax.	200	VA

15.3.2 **Thermal data**

Ambient temperature range	+5 °C up to +45 °C
Maximum sampling gas input temperature	130 °C

15.3.3 **Other data**

Maximum coolant operating pressure	18 bar
Coolant	R134a

16 **Report Number**

BVS PP 16.2137 EU, as of 2016-08-08

17 **Special Conditions for Use**

The equipment has to be installed in a protective enclosure which meets the requirements for IP54 defined in EN 60079-0 clause 26.4.

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.

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 EXAM GmbH
Bochum, dated 2016-08-08
BVS-Pe/Nu A 20160340



Certifier



Approver