

Translation

(1) EC-Type Examination Certificate

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

(3) No. of EC-Type Examination Certificate: **BVS 09 ATEX E 081**

(4) Equipment: **Flow sensor type SS 23.400 ATEX 3**

(5) Manufacturer: **SCHMIDT Technology GmbH**

(6) Address: **78112 St. Georgen/Schwarzwald, Germany**

(7) The design and construction of this equipment and any acceptable variation thereto are specified in the appendix to this type examination certificate.

(8) The certification body of DEKRA EXAM GmbH, notified body no. 0158 in accordance with Article 9 of the Directive 94/9/EC of the European Parliament and the Council of 23 March 1994, 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 the test and assessment report BVS PP 09.2093 EG.

(9) The Essential Health and Safety Requirements are assured by compliance with:

EN 60079-0:2006 General requirements
EN 60079-15:2005 Type of Protection 'n'

(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 appendix to this certificate.

(11) This EC-Type Examination Certificate relates only to the design, examination and tests of the specified equipment in accordance to Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

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

 **II 3G Ex nA II T4**

DEKRA EXAM GmbH
Bochum, dated 19th June 2009

Signed: Dr. Eickhoff

Signed: Ruhnau

Certification body

Special services unit

- (13) Appendix to
(14) **EC-Type Examination Certificate
BVS 09 ATEX E 081**
(15) 15.1 Subject and type

Flow sensor type SS 23.400 ATEX 3

15.2 Description

The thermal flow sensor of type SS 23.400 ATEX 3 serves the purpose of measuring the flow speed of air and gas while simultaneously detecting their flow direction.
The equipment is connected by a round plug connector with seven poles.

15.3 Parameters

15.3.1 Electrical data

Supply voltage	DC	12...24	V
Current draw	<	150	mA
Measuring signal output		0/4...20	mA (or 0 – 10 V)
Switching outputs (open collector)			
Switching voltage	DC	< 26,4	V
Switching current	<	60	mA

15.3.2 Thermal data

Ambient temperature range	0...+	60	°C
Temperature class			T4

(16) Test and assessment report

BVS PP 09.2093 EG as of 19.06.2009

(17) Special conditions for safe use

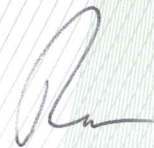
None

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
44809 Bochum, 09.06.2011
BVS-Yil/Ar E 0885/11



Certification body



Special services unit