

Translation

(1) 1st Supplement to Type Examination Certificate

(2) Equipment and protective systems intended for use
in potentially explosive atmospheres - Directive 94/9/EC
Supplement accordant with Directive 94/9/EC Annex III number 6)

(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: **Feldbergstr. 1, 78112 St. Georgen/Black Forest, Germany**

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

(8) The certification body of DEKRA EXAM GmbH certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design of Category 3 equipment 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 60079-0:2012 **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 equipment is subject to special conditions for safe use specified in the appendix to this certificate.

(11) This supplement to the 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 IIC T4 Gc**

DEKRA EXAM GmbH
Bochum, dated 2013-09-26

Signed: Simanski

Certification body

Signed: Dr. Eickhoff

Special services unit

- (13) Appendix to
- (14) **1st Supplement to the 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 gases while simultaneously detecting their flow direction.

The equipment is connected by a round plug connector with seven poles.

The reason for issuing this supplement is the release of the updated versions of the applicable standards to EN 60079-0:2012 and EN 60079-15:2010. Furthermore, the electrical parameters have been modified.

15.3 Parameters

15.3.1 Electrical data

Supply voltage	DC	12...26.4	V
Current draw		≤ 150	mA
Measuring signal output		4...20	mA (or 0–10 V)
Switching outputs (open collector)			
Switching power	DC	≤ 26.4	V
Switching current		≤ 55	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 2013-09-26

(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, 2013-12-17
BVS-Yil/Ar E 3235/13



Certification body



Special services unit