

**Type Examination Certificate SS 23.400 ATEX 3  
Manufacturer Declaration**



Product: **Flow Sensor**  
Type: **SS 23.400 ATEX 3**  
Mat.-No.: **513 970**

Producer: **SCHMIDT Technology GmbH**  
Address: **Feldbergstraße 1  
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Germany**

SCHMIDT Technology 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 Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014.

The examination and test results are recorded in the confidential test report „Prüfbericht-SS23.400 ATEX 3 (ec)“.

Compliance with the essential health and safety requirements has been assured in accordance with the following standards:

**EN IEC 60079-0:2018**

**EN IEC 60079-7:2015/A1:2018**

The sign "X" after the marking indicates that this product is subject to specific conditions of use as stated on page 2 of this certificate.

This test certificate relates only to the design of the specified equipment and not to the specific items of equipment subsequently manufactured or supplied.

The marking of the product shall include the following:

 **II 3G Ex ec IIC T4 Gc X**

# Type Examination Certificate SS 23.400 ATEX 3 Manufacturer Declaration



## Description of product

The thermal flow sensor of type SS 23.400 ATEX 3 is used to measure the flow velocity of air and gases while simultaneously detecting the direction of flow.

The device is intended for use in potentially explosive atmospheres where equipment of category 3G is required.

## Technical data

Ambient temperature:	0 ... +60 °C
Temperature class:	T4
Degree of protection of enclosure:	IP66 (acc. to EN 60529)

## Electrical data

Rated voltage of sensor:	$U_N = 12 \dots 26.4 \text{ V (DC)}$
Current consumption of sensor:	$I_N \leq 150 \text{ mA}$
Signal interface – current mode:	$I_{Out} = 4 \dots 20 \text{ mA}$
Signal interface – voltage mode:	$U_{Out} = 0 \dots 10 \text{ V}$
Switching outputs (open collector):	$U_{max} = 26.4 \text{ V (DC)}$ $I_{max} = 55 \text{ mA}$

## Summary of test results

The flow sensor of type SS 23.400 ATEX 3 fulfils the requirements of explosion protection for electrical equipment of equipment group II in equipment category 3G in type of protection increased safety "ec" for explosion group IIC and temperature class T4.

## Specific conditions of use

A power supply according to protection class III (PELV) is required.

St. Georgen, 29.05.2024

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- Stamp -



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