



EC-Type Examination Certificate

(1)

(2) Equipment or protective system intended for use in potentially explosive atmospheres - **Directive 94/9/EC**

(3) Examination certificate number: **SEV 11 ATEX 0201 X**

(4) Equipment: Pressure Transmitter
Type 8292.XX.XXXX.XX.XX.XX...
and 8432.XX.XXXX.XX.XX.XX...

(5) Manufacturer: Trafag AG, Sensors and Controls

(6) Address: Industriestrasse 11, CH-8608 Bubikon

(7) The equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) Electrosuisse SEV, notified body No. 1258 in accordance with article 9 of the Council Directive of the European Communities of 23 March 1994 (94/9/EC), certifies that this equipment has been found to comply with the essential health and safety requirements relating to the design and construction of equipment or protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The results of the examination are recorded in confidential report no. 09-IK-0395.01 incl. extension 1.

(9) Compliance with the essential health and safety requirements has been assured by compliance with:

EN 50303:00

EN 60079-0:12 + A11:13

EN 60079-11:12

EN 60079-26:07

EN 61241-11:06

(10) If the sign «X» is placed after the certificate number, it indicates that the equipment or protective system is subjected to special conditions for safe use specified in the schedule to this certificate.

(11) This examination certificate relates only to design and construction of the specified equipment in accordance with the directive 94/9/EC. Further requirements of this directive apply to the manufacturing process and the placing on the market of the equipment.

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

See appendix page 3



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Product Certification




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(13)

Appendix

(14)

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(15) Description of the equipment

Pressure transmitter for the measurement of various kinds of pressures such as, air pressure, Oil pressure, etc. The product family includes a "submersible pressure transmitter". The physical print size is converted into an electrical quantity ("Current Loop"; 4 ... 20mA).

Type reference: 8292. XX.XXXX.XX.XX.XX... and 8432. XX.XXXX.XX.XX.XX...

The points X in the type reference are replaced by mark of variants, which are defined in the manufacturing respectively in the test documents and in the approval document as well.

Ratings:

Ui = 30.0 V, Ii = 100 mA, Pi = 1.0 W, Ci = 23 nF, Li = 0 mH

Classification of installation and use:

stationary

Ingress protection:

IP6X (IP65)

Rated ambient temperature range (°C):

Types 8292.XX.XXXX.02, 05, 35 and 78:

-40 °C...+65 °C for T6 {EPL Ga}

-40 °C...+120 °C for T4 {EPL Ga}

Type 8292.XX.XXXX.14:

-30 °C...+65 °C for T6 {EPL Ga}

-30 °C...+95 °C for T4 {EPL Ga}

Type 8292.XX.XXXX.80:

-40°C...+65°C for T6 {EPL Ga}

-40°C...+80°C for T4 {EPL Ga}

Type 8432.XX.:

-20°C...+65°C for T6 {EPL Ga}

-20°C...+70°C for T4 {EPL Ga}

Type 8292.XX...

-20°C...+120°C for T130°C {EPL Da}

(16) Test Report 09-IK-0395.01 incl. extension 1

(17) Special conditions for safe use

The intrinsically safe circuit has to be limited to overvoltage category I, as defined in IEC 60664-1 respectively the supply of the circuit's comes entirely from an intrinsically safe power source with a level of protection "ia".

(18) Fundamental essential health and safety requirements

Fulfilled by the standards applied

(19) Marking:

| | | |
|---|----------------|---|
|  | II 1G | Ex ia IIC T4/T6 Ga |
|  | II 1/2G | Ex ia IIC T4/T6 Ga/Gb (version with plastic connector) |
|  | II 1D | Ex ia IIIC IP6X T130 °C Da |
|  | I M1 | Ex ia I Ma |

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