



(1) **EC-Type Examination Certificate**

- (2) Equipment or protective system intended for use in potentially explosive atmospheres - **Directive 94/9/EC**
- (3) Examination certificate number: **SEV 12 ATEX 0164 X**
- (4) Equipment: Pressure transmitter
Type: 8854.xx, 8859.xx
- (5) Manufacturer: Trafag AG
- (6) Address: Sensors and Controls, 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-0051.41
- (9) Compliance with the essential health and safety requirements has been assured by compliance with:
EN 50303:00 EN 60079-0:09 EN 60079-11:12
EN 60079-26:07
- (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 page 4 (19) Markings



**Electrosuisse
Notified Body ATEX**

Martin Plüss
Product Certification



SCFSp 036

Fehraltorf, 2012-12-05

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(13)

Appendix

(14)

EC-Type Examination Certificate

(15) Description of the equipment

The pressure transmitter trafig type 8854.XX and 8859.XX measures the signal of a piezoresistive pressure measurement bridge and converts it into a standard signal. Input and signal transmission take place via an intrinsically safe three-wire 4-20 mA current loop circuit.

8854.XX are types featuring a screw-in flange, 8859.XX represent immersed probes.

Type designation

Placeholders "xx" stands for the pressure range of the sensor. They do not have any impact on the explosion protection and general safety.

Maximum values:

$$U_i \leq 28 \text{ V}$$

$$I_i \leq 93 \text{ mA}$$

$$P \leq 0.65 \text{ W}$$

Effective internal capacitance
plus per meter length of connecting cable

$$C_i = 12 \text{ nF}$$

$$C_K = 0.12 \text{ nF}$$

Effective internal inductance
plus per meter length of connecting cable

$$L_i = 1.25 \text{ mH}$$

$$L_K = 0.001 \text{ mH}$$

