



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

(2) Equipment or protective system intended for use in potentially explosive atmospheres - **Directive 2014/34/EU**

(3) Certificate number: **SEV 15 ATEX 0156 X**

(4) Product: Thermostat  
Types 404 / 414, 409 / 419

(5) Manufacturer: Trafag AG, Sensors and Controls

(6) Address: Industriestrasse 11, 8608 Bubikon, SWITZERLAND

(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 17 of Directive 2014/34/EU of the European parliament and of the council, dated 26 February 2014, 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 the Directive.

The examination and test results are recorded in confidential report no 14-Ex-0089.01 + .01 E1

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

**EN 60079-0:12 + A11:13**

**EN 60079-1:14**

**EN 60079-31:14**

**EN 60079-7:15**

Except in respect of those requirements listed at item 18 of the schedule.

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

(11) This EU type examination certificate relates only to design and construction of the specified product. Further requirements of this directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

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



**II 2G Ex db eb IIC T6 Gb**

**II 2D Ex tb IIIC T80 °C Db**

**Eurofins Electrosuisse Product Testing AG**  
**Notified Body ATEX**

Martin Plüss  
Product Certification

(13)

## Appendix

(14)

**EU-Type Examination Certificate no. SEV 15 ATEX 0156 X**
**(15) Description of product  
Type Rating**

Characteristics	Types 404 / 414	Types 409 / 419
Description	Ex industrial thermostat with remote sensor	Ex industrial room thermostat
Measure range	-30 .. +40 °C to +70 ... + 350 °C	-30 .. +30 °C to 0 ... + 60 °C

Ranges:	Ambient temperatures	
From Datasheet 2014/05		
≤ +45 °C	-30 .. +50 °C	---
+ 45 to +250 °C	-30 .. +60 °C	---
≥ +250 °C	-10 .. +60 °C	---
-30 .. +30 °C		-30 .. +40 °C
+5 .. +35 °C		-30 .. +50 °C
0 .. +60 °C		-30 .. +60 °C
From installation manual		
≤ +45 °C	-30 .. +50 °C	---
+ 45 to +250 °C	-30 .. +60 °C	---
≥ +250 °C	-10 .. +60 °C	---
-30 .. +30 °C	---	-30 .. +40 °C
+5 .. +35 °C	---	-30 .. +50 °C
0 .. +60 °C	---	-30 .. +60 °C

	Types 404 / 414 / 409 / 419	
Output	Floating change-over contact	Floating change-over contact
Switching differential	Not adjustable	Not adjustable
Electrical data switch	V a.c.	A a.c.
	250	5 (5)
	125	5 (5)
	V d.c.	A d.c.
	250	0.25 (0.03)
	125	0.5 (0.06)
	.75	0.75 (0.25)
	50	1 (1)
	30	5 (3)
	15	5 (3)

## Remark:

Values for resistive loads and values in brackets for inductive loads

Classification of installation and use: stationary  
Ingress protection: IP6x  
Rated ambient temperature range (°C): -30 °C ....+60 °C

(16) **Report number** 14-Ex-0089.01 + .01 E1

(17) **Specific conditions of use**

- The same special conditions apply as shown as the cable glands certificate:  
Only fix cable installation. The cable shall have strain relief.  
The maximum thermal stability of the cable has to be considered.
- The product must be protected against direct sunlight (e.g. behind UV-protected windows panes) or UV-light.

(18) **Essential health and safety requirements**

In addition to the essential health and safety requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject
None	

(19) **Drawings and Documents**

See test report "Manufacturer's Documents"