



(1) **Supplementary EU - Type Examination Certificate No.5**

(2) **Equipment or Protective Systems Intended for Use
in Potentially Explosive Atmospheres
(Directive 2014/34/EU)**

(3) EU - Type Examination Certificate number:

FTZÚ 03 ATEX 0258X

(4) Product: **Electric heating unit type SH-40, SH-60, SH-90**

(5) Manufacturer: **HACO Mess- und Regeltechnik GmbH**

(6) Address: **Am Heerbach 10, D-638 57 Waldaschaff, Germany**

(7) This supplementary certificate extends EC - Type Examination Certificate No. FTZÚ 03 ATEX 0258X to apply to products designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

(8) The Physical-Technical Testing Institute, Notified Body number 1026, in accordance with Articles 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26.02.2014, certifies that this product, as modified by this supplementary certificate, 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.

(9) In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20.04.2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20.04.2016.

(10) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018, EN 60079-1:2014

If the sign "X" is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Use specified in the schedule to this certificate.

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

 **II 2G Ex db IIC T3 Gb**

(12) This certificate is valid till: **31.12.2028**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 15.12.2023

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Physical-Technical Testing Institute
Ostrava - Radvanice

(13) **Schedule**

(14) **Supplementary EU - Type Examination Certificate No. 5
to FTZÚ 03 ATEX 0258X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Extension of certificate validity.

The subject of this supplementary certificate is extension of certificate validity.

The construction and electrical parameters of certified product remain unchanged.

(16) Report Number: 03/0258/5

(17) Specific Conditions of Use:

1. Ambient temperature range: $-50^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$
2. The output cable of electric heating element can be connected in terminal compartment certified for appropriate zone.
3. The output cable is intended for fixed installation according to EN 60079-14:2014.
4. The mechanical endurance of electric heating unit, including the connection cable complies for low hazard of mechanical damage.
5. Silicone sealing o-ring must be used in cable gland ADE 1F2 (M16x1,5) for range of service temperature -60°C to $+140^{\circ}\text{C}$.

(18) Essential Health and Safety Requirements:

Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (10) of this supplementary certificate.

(19) Drawings and Documents:

Number	Sheets	Date	Description
ATEX/SH/navod-2023	1	2023	User manual

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



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