(1) # EU - Type Examination Certificate

(2) Equipment and protective systems intended for use in potentially explosive atmospheres – **Directive 2014/34/EU**

(3) EU - Type Examination Certificate Number

EPS 18 ATEX 1 133 U **Revision 1**

(4) Component: Heating cables type ELSR-N... -xx...

(5) Manufacturer: eltherm production GmbH

(6) Address: Ernst-Heinkel-Straße 6-10
57299 Burbach
Germany

(7) The components and any acceptable variation thereto are specified in the annex to this certificate and the documentation therein referred to.

(8) Bureau Veritas Consumer Products Services Germany GmbH, notified body No. 2004 in accordance with Article 21 given in the Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014, certifies that this component has been found to comply with the essential health and safety requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II of the Directive. The examination and test results are recorded in confidential documentation under the reference number 18TH0310_01

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

EN IEC 60079-0:2018 **EN 60079-30-1:2017**

(10) The letter "U" after the certificate number indicates that this certificate must not be confused with a certificate intended for a device. This certificate applies to a component as defined in Article 2(3) that does not perform an autonomous function and, according to Article 13(3) of the Directive, does not authorize the affixing of the CE marking. This partial certificate may only be used as a basis for the certification of a device or protective system.

(11) This EU - Type Examination Certificate relates only to the design and construction of the specified component in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture of this component and its placings on the market. Those requirements are not covered by this certificate.

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

II 2G Ex 60079-30-1 IIC Gb
II 2D Ex 60079-30-1 IIIC Db



Certification department of explosion protection

Dr. Rainer Jany

Tuerkheim, 2026-02-25

Certificates without signature and seal are void. This certificate is allowed to be distributed only if not modified. Extracts or modifications must be authorized by Bureau Veritas Consumer Products Services Germany GmbH.

Annex

(13)

(14) **EU - Type Examination Certificate EPS 18 ATEX 1 133 U** **Revision 1**

(15) Description of the component:

Self regulating heating cable ELSR-N...-xx... with various rating classes as component for to produce of trace heating systems for explosion-prone areas

Electrical data:

Rated voltage	230 / 277 V
Type ELSR-N ...-xx...	Power (W/m at 10 °C) 10 / 20 / 30 / 40
Min. bending radius:	25 mm

(16) Reference number: 18TH0310_01

(17) Notes for installation and operation

The connection method, the temperature class and the requirements made on the qualification of the staff putting the requirements into practice, have to be defined in the certification of the final installation system.

The manufacturer instructions must be followed.

Operating temperature range:	-60 °C to +65 °C (operated)
Temperature range:	-60 °C to +80 °C (not operated)
Max. surface temperature:	+80 °C (T6)

(18) Essential health and safety requirements:

Met by compliance with standards.

ZERTIFIZIERUNGSSTELLE BUREAU VERITAS 1828 Bureau Veritas CPS Germany GmbH

Certification department of explosion protection

Tuerkheim, 2026-02-25

Dr. Rainer Jany