(1) # EU - Type Examination Certificate

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

(3) EU - Type Examination Certificate Number

EPS 19 ATEX 1 215 U **Revision 0**

(4) Component: Self-regulating heating cable type ELSR-LS-...

(5) Manufacturer: eltherm production GmbH

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

(7) This component 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 component 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 the confidential documentation under the reference number 19TH0464.

(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 sign "U" placed behind the certificate number indicates that this certificate shall not be confounded with certificates issued for component or protective systems. This certificate is valid for a component without an autonomous function in sense of article 2 (3) and does not authorize for the CE-marking to be applied according to article 13 (3) of the Directive. This component certificate only serves as a basis for the issuing of certificates for component or protective systems.

(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 placing on the market. Those requirements are not covered by this certificate.

(12) The marking of the component 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

H. Schaffer

Hamburg, 2020-12-09

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. EPS 19 ATEX 1 215 U, Revision 0.

BUREAU VERITAS
Consumer Products Services Germany GmbH
Oehleckerring 40, D-22419 Hamburg
Phone: +49 40 74041-0
cps-hamburg@bureauveritas.com
www.bureauveritas.de/cps

(13) # Annex

(14) **EU - Type Examination Certificate EPS 19 ATEX 1 215 U** **Revision 0**

(15) Description of component:

The self-regulating heating cable ELSR-LS -... serves as a component for the configuration of complete trace heating systems in potentially explosive areas.

Electrical data:

Rated voltage: 230 V

Heating tape type	Power (W/m at +10 °C)
ELSR-LS...-2...	10 / 15 / 25 / 30

Operating temperature range: -60°C / + 65°C (at nominal operation)
-60°C / + 80°C (when switched off)
Surface temperature max.: +80°C (T6)
Min. Bending radius: 25 mm

For detailed specifications, see the relevant operating instructions

(16) Reference number: 19TH0464

(17) Special conditions for safe use:

The connection technology, the temperature class and the requirements for the qualification of the personnel who implement the specifications for the construction are to be specified in the EU-type examination certificate for the respective trace heating system.

The manufacturer's operating instructions must be observed.

(18) Essential health and safety requirements:

Met by compliance with standards.

ZERTIFIZIERUNGSSTELLE Bureau Veritas CPS Germany GmbH 1828

Certification department of explosion protection Hamburg, 2020-12-09

H. Schaffer

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BUREAU VERITAS
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Oehleckerring 40, D-22419 Hamburg
Phone: +49 40 74041-0
cps-hamburg@bureauveritas.com
www.bureauveritas.de/cps