

(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 17 ATEX 1 179 U

Revision 0

(4) Component: Lighting unit EL- EOL

(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 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 the confidential documentation under the reference number 17TH0142.

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

EN 60079-0:2012+A11:2013

EN 60079-18:2015

EN 60079-28:2015

(10) The sign "U" placed behind the certificate number indicates that this certificate shall not be confounded with certificates issued for equipment 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 equipment 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.

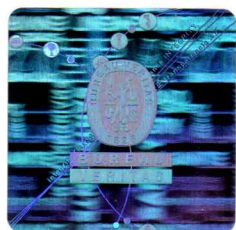
(12) The marking of the component shall include the following:

 II 2G Ex mb op is IIC Gb

Certification department of explosion protection

Hamburg, 2021-10-21

U. Feike



(13)

Annex

(14) **EU - Type Examination Certificate EPS 17 ATEX 1 179 U**

Revision 0

(15) Description of the component:

The LED unit EL-EOL is a component designed for use with parallel trace heaters. Its purpose is to indicate the presence of voltage at the heaters bus wires. It will be exclusively used as component within the eltherm Ex-It-L lighting fixture and the free cable ends will be terminated to a separately approved terminal block (type of protection "Ex e"). It offers protection by encapsulation "m" and by inherently safe optical emission "op is" and in combination with a separate enclosure rated "Ex e t" is suitable for use in areas with combustible gas or dust (Equipment Group II, Equipment Category 2G and 2D, Gas Group IIC, Dust Group IIIC, EPL's Gb and Db)

Electrical data:

Power supply: 100 - 277 V AC (50 Hz)
Power: 4 W
Ambient temperature: -60 °C to +60 °C

(16) Reference number: 17TH0142

(17) Notes for manufacture, installation and operation:

Installation in a separate certified housing with protection Ex e t.

(18) Essential health and safety requirements:

Met by compliance with standards.

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Hamburg, 2021-10-21



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