

Translation

EU-Type Examination Certificate

Equipment intended for use in potentially explosive atmospheres
Directive 2014/34/EU

EU-Type Examination Certificate Number: **BVS 20 ATEX E 016**

Product: **Luminaire type ESL53LED-Ex**

Manufacturer: **F. H. Papenmeier GmbH & Co. KG**

Address: **Talweg 2, 58239 Schwerte, Germany**

This product and any acceptable variations thereto are specified in the appendix to this certificate and the documents referred to therein.

DEKRA Testing and Certification GmbH, Notified Body number 0158, 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 the confidential Report No. BVS PP 21.2067 EU.

The Essential Health and Safety Requirements are assured in consideration of:

EN IEC 60079-0:2018
EN 60079-1:2014
EN 60079-31:2014

General requirements
Flameproof enclosure "d"
Protection by Enclosure "t"

If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Special Conditions for Use specified in the appendix to this certificate.

This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

The marking of the product shall include the following:

 **II 2G Ex db IIC T6/T4 Gb**
II 2D Ex tb IIIC T85/T130 °C Db

DEKRA Testing and Certification GmbH
Bochum, 2021-07-12

Signed: Jörg-Timm Kilisch

Managing Director

13 **Appendix**

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15 **Product description**

15.1 **Subject and type**

Luminaire type ESL53LED-Ex

15.2 **Description**

The enclosure of the Ex luminaire type ESL53LED-Ex consists of a stainless steel (1.4404) enclosure body and a screw cover, as well as a connection plate. The light-transmitting part of the luminaire is glued into the screw cover (Elastosil RT607).

An O-ring seal is embedded in the front surface of the enclosure body as a seal.

The electrical connection is made via a separately tested and certified cable gland on the back of the enclosure.

15.3 **Parameters**

Rated voltage 24 V (AC/DC)

Rated current max. 400 mA

Temperature assignment type ESL53LED-Ex

Variant	Rated voltage	Ambient temperature range	
		$-20\text{ °C} \leq T_a \leq +40\text{ °C}$	$-20\text{ °C} \leq T_a \leq +50\text{ °C}$
24 V / 7 W	24 V AC/DC	T6 / T85 °C	T4 / T130 °C

16 **Report Number**

BVS PP 21.2067 EU, as of 2021-07-12

17 **Special Conditions for Use**

None

18 **Essential Health and Safety Requirements**

The Essential Health and Safety Requirements are covered by the standards listed under item 9.

19 **Drawings and Documents**

Drawings and documents are listed in the confidential report.

We confirm the correctness of the translation from the German original.
In the case of arbitration only the German wording shall be valid and binding.

DEKRA Testing and Certification GmbH
Bochum, 2021-07-12
BVS-Wlo/Mu A20200009



Managing Director