

Translation

EU-Type Examination Certificate Supplement 1

Change to Directive 2014/34/EU

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

EU-Type Examination Certificate Number: **BVS 03 ATEX E 225**

Product: **Light barrier module type Ex-LM.1.0
with light grid converter type Ex-LGW.4.***

Manufacturer: **STRACK LIFT AUTOMATION GmbH**

Address: **Lise Meitner-Straße 2, 42489 Wülfrath, Germany**

This supplementary certificate extends EC-Type Examination Certificate No. BVS 03 ATEX E 225 to apply to products designed and constructed in accordance with the specification set out in the appendix of the said certificate but having any acceptable variations specified in the appendix to this certificate and the documents referred to therein.

The certification body of 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 03.2165 EU.

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

EN 60079-0:2012 + A11:2013	General requirements
EN 60079-7:2015	Increased Safety "e"
EN 60079-18:2015	Encapsulation "m"
EN 60079-28:2015	Optical Radiation "op is/pr/sh"

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 eb mb op is IIC T4 Gb**
II 2D Ex mb tb op is IIIC T130°C Db

DEKRA Testing and Certification GmbH
Bochum, 14-06-2019

signed: Jörg-Timm Kilisch

Managing Director

13 **Appendix**

14 **EU-Type Examination Certificate**

**BVS 03 ATEX E 225
Supplement 1**

15 **Product description**

15.1 **Subject and type**

Light barrier module type Ex-LM.1.0
with light grid converter type Ex-LGW.4.*

The asterisk is replaced by the number of light barrier modules installed inside an enclosure.

15.2 **Description**

The light barrier module type Ex-LM.1.0 with light grid converter type Ex-LGW.4.* is used for monitoring tasks in explosive atmospheres. Up to 14 light barrier modules of the type of protection Encapsulation m and a separately certified junction and terminal box type 06.162609 (PTB 00 ATEX 1002) of the type of protection Increased Safety e are installed in a metal enclosure and together form the light grid converter.

Reason for the supplement:

- change to Directive 2014/34/EU
- modification to comply with current version of standards and addition of EN 60079-28 (optical radiation)
- types Ex-RFX.* and Ex-HSTG.* have been ceased, type names have been modified
- group III has been added

15.3 **Parameters**

15.3.1	Supply circuit				
	Rated voltage		DC	12	V $\pm$ 5%
	Rated current			12	mA
15.3.2	Output circuit				
	Output voltage	up to	DC	12.6	V
	Output circuit	up to		30	mA

16 **Report Number**

BVS PP 03.2165 EU, as of 2019-06-14

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, 2020-08-19
BVS-Hk/Ar E 9680/20



Managing Director