

Translation

EU-Type Examination Certificate Supplement 2

Change to Directive 2014/34/EU

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

3 EU-Type Examination Certificate Number: **BVS 10 ATEX E 062 X**

4 Product: **Cable glands type EXIOS und EXIOS-MZ**

5 Manufacturer: **HUMMEL AG**

6 Address: **Lise-Meitner-Straße 2, 79211 Denzlingen, Germany**

7 This supplementary certificate extends EC-Type Examination Certificate No. BVS 10 ATEX E 062 X 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.

8 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 10.2198 EU.

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

EN IEC 60079-0:2018	General requirements
EN 60079-1:2014	Flameproof enclosure “d”
EN IEC 60079-7:2015 + A1:2018	Increased Safety “e”
EN 60079-31:2014	Protection by Enclosure “t”

10 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.

11 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.

12 The marking of the product shall include the following:



II 2G Ex db eb IIC Gb
II 1D Ex ta IIIC Da

DEKRA Testing and Certification GmbH
Bochum, 2022-02-10

Signed: Jörg-Timm Kilisch

Managing Director



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This certificate may only be reproduced in its entirety and without any change.

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13 **Appendix**

14 **EU-Type Examination Certificate**

**BVS 10 ATEX E 062 X
Supplement 2**

15 **Product description**

15.1 **Subject and type**

Cable gland series

type EXIOS 20-1, type EXIOS 20-2, type EXIOS 20-3, type EXIOS 25, type EXIOS 32, type EXIOS 40, type EXIOS 50, type EXIOS 63, type EXIOS 75.

Type EXIOS-MZ 20-1, type EXIOS-MZ 20-2, type EXIOS-MZ 20-3, type EXIOS-MZ 25, type EXIOS-MZ 32, type EXIOS-MZ 40, type EXIOS-MZ 50, type EXIOS-MZ 63 and type EXIOS-MZ 75.

15.2 **Description**

With this supplement the certificate is changed to Directive 2014/34/EU.
(Annotation: In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016.)

The cable gland series type EXIOS are intended to be attached to equipment of the type of protection Flameproof Enclosure „d“ and Increased Safety „e“; they serve the purpose of entries for permanent cables and wires or, in the case of reinforced cables and wires, as entries for non-permanent cables and wires. The cable glands are also suitable for use in atmospheres where combustible dusts are present.

Reasons for this supplement;

- Change to Directive 2014/34/EU
- Update to the current standards

15.3 **Parameters**

Permitted temperature range of the cable glands -60 °C up to +105 °C

The ambient temperature of electrical equipment is usually limited to $-20\text{ °C} \leq T_a \leq +40\text{ °C}$. The maximum ambient temperature permitted for these cable glands may be exceeded or fall below as long as the temperature of the cable glands meets -60 °C up to +105 °C.

Degrees of protection according to EN 60529 IP68 and IP66

16 **Report Number**

BVS PP 10.2198 EU, as of 2022-02-10

17 **Special Conditions for Use**

The cable glands type EXIOS have to be used together with permanent installations of cables and wires unless the cables and wires in question are reinforced.

The cable glands type EXIOS-MZ are not needed to be used together with permanent installations.

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, 2022-02-10
BVS-Wlo/Mu A20211146



Managing Director