

Translation

# EU-Type Examination Certificate Supplement 2

Change to Directive 2014/34/EU

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

EU-Type Examination Certificate Number: **BVS 14 ATEX E 025 X**

Product: **Cable gland series**  
**type HSK-K-Ex-Active 1.292.\*\*\*\*.\*\***  
**type HSK-K-Multi-Ex-Active 1.581.\*\*\*\*.\*\***  
**type HSK-K-Flaka-Ex-Active 1.582.\*\*\*\*.\*\***

Manufacturer: **HUMMEL AG**

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

This supplementary certificate extends EC-Type Examination Certificate No. BVS 14 ATEX E 025 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.

DEKRA EXAM 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 14.2151 EU.

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

<b>IEC 60079-0:2017</b>	<b>General requirements</b>
<b>EN 60079-7:2015</b>	<b>Increased Safety "e"</b>
<b>EN 60079-31:2014</b>	<b>Protection by Enclosure "t"</b>

Except in respect of those requirements listed under item 18 of the appendix.

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 IIC Gb**  
**II 1D Ex ta IIIC Da**

DEKRA EXAM GmbH  
Bochum, 2018-09-25

Signed: Jörg Koch

Certifier

Signed: Ralf Leiendecker

Approver

13 **Appendix**

14 **EU-Type Examination Certificate**

**BVS 14 ATEX E 025 X  
Supplement 2**

15 **Product description**

15.1 **Subject and type**

Cable gland series type HSK-K-Ex-Active 1.292.\*\*\*\*.\*\*; HSK-K-Multi-Ex-Active 1.581.\*\*\*\*.\*\*;  
HSK-K-Flaka-Ex-Active 1.582.\*\*\*\*.\*\*

The asterisks in the type number are representative to determine the connecting thread type and size, O-Ring material and the clamping range.

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.)

**Reasons for this supplement:**

- Change to directive 2014/34/EU
- Update to the current standards
- Expanding the negative temperature range of sizes M20 x 1.5 and NPT 1/2" to -50 °C

**Description of Product**

The cable glands type HSK-K-(Multi / Flaka) Ex-Active 1.292.\*\*\*\*.\*\*(1.581.\* / 1.582.\*) are designed for the installation at electrical apparatus in type of protection Increased safety "e" and Protection by enclosure "t". They serve for the installation of fixed cables.

The cable glands are suitable for the application in areas potentially hazardous by combustible gases or dusts.

The cable glands can now be manufactured with a head nut and with O-rings made of modified materials, the parameters remain unchanged.

The cable glands are manufactured in variants for the entry of several cables, and for flat cables.

The cable glands comply with the current revisions of the listed standards.

15.3 **Parameters**

Permitted service temperature range of the cable glands -20 °C up to +85 °C  
Additional operating temperature range of the cable glands (M20 x 1.5 and NPT 1/2") to -50 °C if they are protected against mechanical damage.

The ambient temperature range of electrical equipment is usually limited. The maximum ambient temperature permitted for these cable glands may in use be utilized up to the permitted service temperature.

IP degrees of protection according to EN 60529

IP 68 at 10 bar

16 **Report Number**

BVS PP 14.2151 EU, as of 2018-09-25

17 **Special Conditions for Use**

The cable glands are tested with a reduced tensile force (25 %) in accordance with clause A.3.1 of IEC 60079-0 and may only be used for fixed installation of apparatus. The user shall ensure adequate clamping of the cable.

The cable glands sizes M12, M16 and NPT 3/8" are tested for low risk of mechanical danger (drop height 0.4 m with 1 kg mass) and shall be protected against higher impact energy levels.

The cable glands are with O-ring sealings made of NBR, additionally they can also be used with FKM or VMQ sealings.

If the sizes M20 x 1.5 and NPT 1/2" are used at temperatures between -20°C and -50°C, they have been tested for the low risk of mechanical danger (drop height 0.4 m with 1 kg mass) and shall be protected against higher impact energy levels.

18 **Essential Health and Safety Requirements**

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

The standard IEC 60079-0:2017 is equivalent to the harmonized standard EN 60079-0:2012 + A11:2013 in terms of safety.

19 **Drawings and Documents**

Drawings and documents are listed in the confidential report.

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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 EXAM GmbH  
Bochum, dated 2018-09-25  
BVS-Wlo/Nu A 20180592



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Certifier



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Approver