

Translation

EU-Type Examination Certificate Supplement 6

Change to Directive 2014/34/EU

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

EU-Type Examination Certificate Number: **DMT 03 ATEX E 051 X**

Product: **Cable gland types HSK-M-Ex 1610.**** **, HSK-M-Ex 1640.**** **, HSK-M-EMV-Ex 1616.**** **, HSK-M-EMV-D-Ex 1636.**** **, HSK-MZ-Ex 1611.**** **, HSK-MZ-EMV-Ex 1617.**** **, HSK-INOX-Ex 1612.**** **, HSK-INOX-EMV-Ex 1672.**** **, HSK-M-Multi-Ex 1687.**** **, HSK-M-FLAKA-Ex 1689.**** **, HSK-INOX*-Ex AB61.*******

Manufacturer: **HUMMEL AG business division ET**

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

This supplementary certificate extends EC-Type Examination Certificate No. DMT 03 ATEX E 051 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 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. PP 03.2038 EU.

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

IEC 60079-0:2017	General requirements
EN 60079-7:2015 +A1:2018	Increased Safety "e"
EN 60079-31:2014	Protection by Enclosure "t"

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 Testing and Certification GmbH
Bochum, 2019-04-04

Signed: Jörg-Timm Kilisch

Managing Director

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13 **Appendix**
 14 **EU-Type Examination Certificate**

**DMT 03 ATEX E 051 X
 Supplement 6**

15 **Product description**

15.1 **Subject and type**

- Cable glands
 type HSK-M-Ex 1610 **** **
 type HSK-M-Ex 1640 **** **
 type HSK-M-EMV-Ex 1616 **** **
 type HSK-M-EMV-D-Ex 1636 **** **
 type HSK-MZ-Ex 1611 **** **
 type HSK-MZ-EMV-Ex 1617 **** **
 type HSK-INOX-Ex 1612 **** **
 type HSK-INOX-EMV-Ex 1672 **** **
 type HSK-M-Multi-Ex 1687 **** **
 type HSK-M-FLAKA-Ex 1689 **** **
 type HSK-INOX-* -Ex AB61-*****

Instead of the *, numbers for the definition, the thread design and the corresponding number and diameter of the cables or wires or the dimensions of the flat cable are inserted.

These are not relevant for explosion protection.

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.)

Description of the product

The cable glands are designed for attachment to equipment of type of protection "Increased Safety" (Ex eb) and are used for the entry of stationary cables. The types HSK-MZ-* -Ex can also be used for cables and wires that are not fixedly installed. The cable glands can also be used in Category 1D and 2D areas exposed to combustible dust.

Reasons for the supplement

- Change to the new directive 2014/34/EU
- Update to the new standard
- Add new types:
 - HSK-M-Ex (M20x1.5)
 - HSK-INOX-Ex (M20x1.5)

15.3 **Parameters**

Permissible temperature range of the cable glands -20 °C to +95 °C

The ambient temperature range of the electrical equipment is usually limited to $-20\text{ °C} \leq T_{\text{amb}} \leq +40\text{ °C}$. The upper ambient temperature for these cable glands can exceed +40 °C if the permissible temperature range of the cable glands from -20 °C to +95 °C is observed for the respective application.

16 **Report Number**

BVS PP 03.2038 EU, as of 2019-04-04

17 **Special Conditions for Use**

The cable glands with a locknut without strain relief clamp may only be used to insert fixedly installed cables and wires. Only the types HSK-MZ-Ex 1611.****.** and HSK-MZ-EMV-Ex 1617.****.** have a locknut with strain relief clamp.

18 **Essential Health and Safety Requirements**

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

The IEC 60079-0:2017 Ed. 7.0 is used for this product, which is equivalent in terms of safety to the harmonized standard EN 60079-0:2012 + A11:2013.

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, 2019-04-04
BVS-WIo/Mu A 20170176



Managing Director