



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEX BVS 07.0019X** Page 1 of 4 [Certificate history:](#)  
Issue 0 (2007-09-06)

Status: **Current** Issue No: 1

Date of Issue: 2019-04-23

Applicant: **HUMMEL AG**  
Lise-Meitner-Straße 2  
79211 Denzlingen  
Germany

Equipment: **Cable glands 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-\*\*\*\*\***

Optional accessory:

Type of Protection: **Protection by Enclosure "t", Increased Safety "e"**

Marking: Ex eb IIC Gb  
Ex ta IIIC Da

Approved for issue on behalf of the IECEx  
Certification Body:

**Ralf Leiendecker**

Position:

**Deputy Head of Certification Body**

Signature:  
(for printed version)

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**DEKRA Testing and Certification GmbH**  
Certification Body  
Dinnendahlstrasse 9  
44809 Bochum  
Germany

 **DEKRA**  
On the safe side.



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Manufacturer: **HUMMEL AG**  
Lise-Meitner-Straße 2  
79211 Denzlingen  
**Germany**

Additional  
manufacturing  
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

## STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

**IEC 60079-0:2017** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

**IEC 60079-31:2013** Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:2

**IEC 60079-7:2017** Explosive atmospheres - Part 7: Equipment protection by increased safety "e"  
Edition:5.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

## TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[DE/BVS/EXTR07.0023/01](#)

Quality Assessment Report:

[DE/BVS/QAR07.0001/09](#)



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## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

### 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.

### Description

The cable glands (cable glands and cable glands) are designed for attachment to equipment of type of protection "Increased Safety" (Ex eb) and are used for the insertion of stationary cables and wires. 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 EPL Da and Db areas exposed to combustible dust.

### 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.

### SPECIFIC CONDITIONS OF USE: YES as shown below:

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



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**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**

- Upgrading to the new standard status
- Add new types:
  - HSK-M-Ex (M20x1.5)
  - HSK-INOX-Ex (M20x1.5)