



# 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 KEM 07.0013X** Page 1 of 4 Certificate history:  
Status: **Current** Issue No: 4 [Issue 3 \(2015-02-10\)](#)  
Date of Issue: 2017-07-19 [Issue 2 \(2012-04-17\)](#)  
[Issue 1 \(2007-12-18\)](#)  
[Issue 0 \(2007-03-20\)](#)  
Applicant: **Hummel AG**  
Lise-Meitner-Straße 2  
79211 Denzlingen  
Germany  
Equipment: **Cable glands Series HSK-M-Ex-d, HSK-MZ-Ex-d, HSK-INOX-Ex-d, HSK-M-PVDF-Ex-d and HSK-INOX-PVDF-Ex-d**  
Optional accessory:  
Type of Protection: **db, ta**  
Marking: Ex db IIC Gb  
Ex ta IIIC Da

Approved for issue on behalf of the IECEx  
Certification Body:

**T. Pijker**

Position:

**Certification Manager**

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.
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Certificate issued by:

**DEKRA Certification B.V.**  
Meander 1051  
6825 MJ Arnhem  
Netherlands





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

Additional  
manufacturing  
locations: **Hummel AG**  
Mozartstraße 3  
79183 Waldkirch  
**Germany**

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 60079-0:2011** Explosive atmospheres - Part 0: General requirements  
Edition:6.0

**IEC 60079-1:2014-06** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:7.0

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

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 Reports:

[NL/DEK/ExTR11.0041/00](#)  
[NL/KEM/ExTR06.0059/00](#)

[NL/DEK/ExTR11.0041/01](#)  
[NL/KEM/ExTR07.0070/00](#)

[NL/DEK/ExTR11.0041/02](#)

Quality Assessment Report:

[DE/BVS/QAR07.0001/08](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

Cable glands, Series HSK-M-Ex-d, HSK-MZ-Ex-d, HSK-MZ-PVDF-Ex-d, HSK-INOX-Ex-d, HSK-M-PVDF-Ex-d and HSK-INOX-PVDF-Ex-d, made of nickel plated brass or stainless steel in type of protection flameproof enclosures "db" or equipment dust ignition protection by enclosure "ta".

Available thread sizes are M12 to M40, PG7 to PG36 and 3/8" NPT to 1 1/2" NPT.

Operating temperature range: -60 °C to 105 °C (standard versions)  
-20 °C to 130 °C (PVDF versions).

The cable glands provide a degree of protection of IP66/68 (1 MPa (10 bar) for 30 min.) in accordance with IEC 60079-0 and IEC 60529.

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

- The cable glands Series HSK-M-...-Ex-d and HSK-INOX-...-Ex-d 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 Group II apparatus. The user shall ensure adequate clamping of the cable.

- The cable glands are provided with a sealing ring with a minimum axial sealing height of 5 mm.

- The installer shall ensure that, taking into account the presence of an undercut, at least five full threads are in engagement when the cable glands are assembled onto the flameproof enclosure.



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