



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

Certificate No.:	IECEx KEM 07.0014X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 4	Issue 3 (2015-02-10)
Date of Issue:	2017-07-19		Issue 2 (2012-04-17)
			Issue 1 (2008-09-15)
			Issue 0 (2007-03-15)
Applicant:	Hummel AG Lise-Meitner-Straße 2 79211 Denzlingen Germany		
Equipment:	Cable glands, Series HSK-K-MZ-Ex, HSK-M-Ex, HSK-M-PVDF-Ex, HSK-M-EMV-Ex, HSK-M-PVDF-EMV-Ex, HSK-M-EMV-D-Ex, HSK-MZ-Ex, HSK-MZ-PVDF-Ex, HSK-MZ-EMV-Ex, HSK-MZ-PVDF-EMV-Ex, HSK-INOX-Ex, HSK-INOX-PVDF-Ex, HSK-INOX-EMV-Ex and HSK-INOX-PVDF-EMV-Ex		
Optional accessory:			
Type of Protection:	eb, ta		
Marking:	Ex eb IIC Gb Ex ta IIIC Da		

Approved for issue on behalf of the IECEx
Certification Body:

T. Pijpker

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.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



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

IEC 60079-7:2015 Explosive atmospheres – Part 7: Equipment protection by increased safety "e"
Edition:5.0

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/ExTR08.0026/00](#)

[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-K-MZ-Ex, HSK-M-Ex, HSK-M-PVDF-Ex, HSK-M-EMV-Ex, HSK-M-PVDF-EMV-Ex, HSK-M-EMV-D-Ex, HSK-MZ-Ex, HSK-MZ-PVDF-Ex, HSK-MZ-EMV-Ex, HSK-MZ-PVDF-EMV-Ex, HSK-INOX-Ex, HSK-INOX-PVDF-Ex, HSK-INOX-EMV-Ex and HSK-INOX-PVDF-EMV-Ex in type of protection increased safety "eb" or equipment dust ignition protection by enclosure "ta". Available thread sizes are M12 to M63, PG7 to PG48 and 3/8" NPT to 1 1/2" NPT.

Operating temperature range: -60 °C to +95 °C (standard versions HSK-M and HSK-INOX)
-20 °C to +130 °C (PVDF versions HSK-M and HSK-INOX)
-20 °C to +70 °C (HSK-K-MZ-Ex)

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-K-MZ-Ex 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 Series HSK-M-...-Ex and HSK-INOX-...-Ex 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.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Standard upgrade: IEC 60079-7 to edition 5 (2015) was edition 4