



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 DEK 12.0039X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2012-12-03

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

Equipment: **Cable Gland, Series EXIOS A2F**

Optional accessory:

Type of Protection: **d, e, ta**

Marking: Ex d e IIC Gb
Ex ta III C 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.
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.
Utrechtseweg 310
6812 AR Arnhem
Netherlands





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Date of issue: 2012-12-03

Issue No: 0

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

Additional manufacturing locations: **Hummel AG**
Merklinstrasse 34
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 60079-1:2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:6

IEC 60079-31:2008 Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'
Edition:1

IEC 60079-7:2006-07 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:4

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:

[NL/DEK/ExTR12.0032/00](#)

Quality Assessment Report:

[DE/BVS/QAR07.0001/04](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Cable Gland, Type EXIOS A2F, made of brass, nickel plated brass or stainless steel for use with effectively filled circular non-armoured or braided cables.

Available thread sizes are M16 to M90 and NPT 3/8" to 3".

Operating temperature range -60 °C to 105 °C.

The cable gland provides a degree of protection of IP66/68 (5 bar-30 min) in accordance with IEC 60529.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- 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. 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.