



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 CQC 26.0002X** Page 1 of 5 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2026-04-27

Applicant: **HUMMEL Connector Systems (Shanghai) Co., Ltd.**
No. 5398, Waiqingsong Road, Qingpu District, Shanghai, China
Shanghai
China

Equipment: **EXIOS Cable Glands**

Optional accessory:

Type of Protection: **Flameproof enclosure "d", Increased safety "e", Protection by enclosure "t"**

Marking: Ex db IIC Gb
Ex eb IIC Gb
Ex ta IIIC Da

Approved for issue on behalf of the IECEx
Certification Body:

LIU Jiang

Position:

Director of Board

Signature:
(for printed version)

Date:
(for printed version)

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:

China Quality Certification Centre Co., Ltd. (CQC)
Section 9, 188 Nansihuan (the South Fourth Ring Road)
Xilu (West Road)
Beijing 100070
China





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Manufacturer: **HUMMEL Connector Systems (Shanghai) Co., Ltd.**
No. 5398, Waiqingsong Road, Qingpu District, Shanghai, China
Shanghai
China

Manufacturing locations: **HUMMEL Connector Systems (Shanghai) Co., Ltd.**
No. 5398, Waiqingsong Road, Qingpu District, Shanghai, China
Shanghai
China

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 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-31:2022](#) Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
Edition:3.0

[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:

[CN/CQC/ExTR25.0002/00](#)

Quality Assessment Report:

[CN/CQC/QAR26.0001/00](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

EXIOS Cable glands include EXIOS A2F-I M series, EXIOS A2F-II M series, EXIOS A2F-I NPT series and EXIOS A2F-II NPT series made of brass, nickel plated brass, stainless steel 316 or 304.

The glands are intended for use with effectively filled circular non-armoured and braided cables. The cable glands provide a degree of protection of IP66 in accordance with IEC 60079-0, while IP67/IP68 (5bar, 30min) complies with IEC 60529.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The cable glands are tested with a reduced tensile force (25%) in accordance with clause A.2.3.2 of IEC 60079-0 and shall only be used for fixed installation. Additional clamping of cable shall be installed to ensure that pulling and twisting is not transmitted to the terminal.
2. The cable glands are provided with a sealing ring with a minimum axial sealing height of 5mm.
3. For metric threads, the installer should 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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Equipment (continued):

Available thread sizes are M16×1.5, M20×1.5, M25×1.5, M32×1.5, M40×1.5, M50×1.5, M63×1.5, M75×1.5, M90×1.5, M90×2.0, NPT3/8", NPT1/2", NPT3/4", NPT1", NPT1-1/4", NPT1-1/2", NPT2", NPT2-1/2", NPT3".



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Additional information:

- 1.The service temperature range -60°C to +105°C.
- 2.For tightening torque, cable diameter range, etc., refer to the manufacturer's instructions.

Annex:

[Attachment to Certificate IECEx CQC 26.0002X Issue.0.pdf](#)



Manufacturer:

HUMMEL Connector Systems (Shanghai) Co., Ltd.

Address:

No. 5398, Waiqingsong Road, Qingpu District, Shanghai, China
Shanghai
China

Equipment:

EXIOS Cable Glands

EXIOS A2F-I -

EXIOS A2F-II -

Model designation:

Metric thread series:

EXIOS A2F-I -

1 2 3

“1”: Type;

“2”: Metric thread size, represent 16/20/25/32/40/50/63/75/90;

“3”: Type subdivision, represented by 1 or 2, indicating different clamping ranges.

EXIOS A2F-II -

1 2 3

“1”: Type;

“2”: Metric thread size, represent 16/20/25/32/40/50/63/75/90;

“3”: Type subdivision, represented by 1 or 2, indicating different clamping ranges.

NPT thread series:

EXIOS A2F-I -

1 2 3

“1”: Type;

“2”: NPT thread size, represent 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 2 1/2", 3" ;

“3”: Type subdivision, represented by 1, 2 or 3, indicating different clamping ranges.

EXIOS A2F-II -

1 2 3

“1”: Type;

“2”: NPT thread size, represent 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 2 1/2", 3" ;

“3”: Type subdivision, represented by 1, 2 or 3, indicating different clamping ranges.