



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEX Scheme visit www.iecex.com

Certificate No.: IECEX CQM 12.0017X

Issue No: 2

Certificate history:

Status: **Current**

Issue No. 2 (2019-02-18)

Issue No. 1 (2012-09-10)

Date of Issue: **2019-02-18**

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Issue No. 0 (2012-06-26)

Applicant: **SHIMADA ELECTRIC CO., LTD.**
2-29-6, Nakaikegami Ota-ku, Tokyo,
Post Code: 146-0081
Japan

Equipment: **Outdoor / Indoor non-armoured cable glands A2F and SXE series**
Optional accessory:

Type of Protection: **Ex "d", Ex "e", Ex "t"**

Marking:

Ex db IIC / Ex eb IIC Gb

Ex tb IIIC Db IP66

Tamb:-20°C to +80°C for sealing ring made of CR

Tamb:-60°C to +80°C for sealing ring made of Si rubber

Approved for issue on behalf of the IECEX
Certification Body:

Ji Xiaodong

Position:

General Manager

Signature:
(for printed version)

Date:

2019-02-18

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 the [Official IECEX Website](http://www.iecex.com).

Certificate issued by:

China Quality Mark Certification Group Co., Ltd.
No. 33 Zengguang Road, Haidian District,
Beijing City, Postal code: 100048
China





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Date of Issue: 2019-02-18 Page 2 of 4
Manufacturer: SHIMADA ELECTRIC CO., LTD.
2-29-6, Nakaikegami Ota-ku, Tokyo,
Post Code: 146-0081
Japan

Additional Manufacturing location(s):
SHIMADA ELECTRIC CO.,LTD
946-1 Akasakacho Sano City Tochigi
Japan

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 apparatus 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 Edition:7.0	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-7 : 2017 Edition:5.1	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*This Certificate **does not** indicate compliance with electrical 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/CQM/ExTR12.0016/00 CN/CQM/ExTR12.0016/01 CN/CQM/ExTR19.0003/00

Quality Assessment Report:

CN/CQM/QAR12.0002/04



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description of equipment

The type A2F Series and SXE Series are outdoor/indoor non-armoured cable gland. It consists of gland body, inner sealing packing, packing gland and outer sealing nut.

The gland body packing gland and outer sealing nut can be made of brass or stainless steel and the inner sealing packing made of CR (Ta: -20°C to +80°C) or Si rubber (Ta: -60°C to +80°C).

For the type SXE, both ends of outer sealing nut are threaded in order to connecting other pipe.

Range of entry thread:

Metric thread: M16 ×1.5, M20 ×1.5, M25 ×1.5, M32 ×1.5, M40 ×1.5, M50 ×1.5, M63 ×1.5, and M75 ×1.5

NPT thread: 1/2NPT, 3/4NPT, 1NPT, 1-1/4NPT, 1-1/2NPT, 2NPT, 2-1/2NPT and 3NPT

Model description is specified in Attachment.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Tamb: -20°C to +80°C for sealing material CR

Tamb: -60°C to +80°C for sealing material Si rubber

2. The cable glands are capable of passing the clamping test with the force reduced to 25%.



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

1. Delete G threads.
2. Standards IEC 60079-0:2007; IEC60079-1:2007; IEC60079-7:2006; IEC60079-31:2008 are updated to IEC 60079-0:2017; IEC60079-1:2014; IEC60079-7:2017; IEC60079-31:2013.

Annex:

[IECEX CQM 12.0017X 02 Attachment.pdf](#)



Attachment to Certificate

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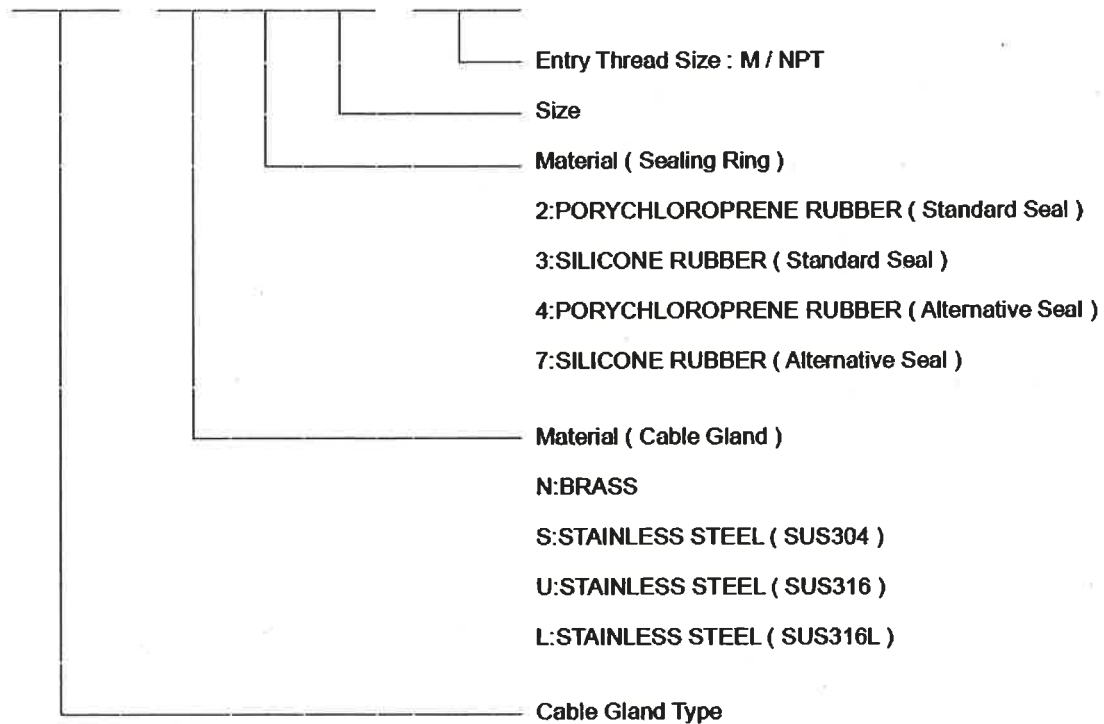
Applicant: SHIMADA ELECTRIC CO.,LTD
2-29-6NAKAIKEGAMI,OTA-KU,TOKYO,JAPAN

Electrical equipment: Outdoor / Indoor non-armoured cable glands A2F and SXE series

Description of equipment:

Model description:

A2F / N 2 A - □□□





Attachment to Certificate

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SXE / N 2 A - □□□

