



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 11.0014U issue No.: 0 Certificate history:

Status: **Current**

Date of Issue: **2011-08-31** Page 1 of 3

Applicant: **Warom Technology Incorporated Company**
No. 555, Baoqian Road, Jiading District, Shanghai City
Postal code: 201 808
China

Electrical Apparatus: **Explosion-proof flexible conduit Model BNG...**
Optional accessory:

Type of Protection: **Flameproof enclosures "d"**

Marking: **Ex d IIC Gb**
Ex tD A21 IP66
Tamb: -60°C~+55°C

Approved for issue on behalf of the IECEx Certification Body: Zhang Wei

Position: President

Signature:
(for printed version)

Date: 2011-08-31

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.

Certificate issued by:

China Quality Mark Certification Group Co., Ltd.
No. 33 Zengguang Road, Haidian District,
Beijing City, Postal code: 100037
China





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Manufacturer: **Warom Technology Incorporated Company**
No. 555, Baoqian Road, Jiading District, Shanghai City
Postal code: 201 808
China

Manufacturing location(s):

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 electrical 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 : 2007-10 Edition: 5	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-1 : 2007-04 Edition: 6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 61241-0 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
IEC 61241-1 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

*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/ExTR11.0014/00

Quality Assessment Report:

CN/CQM/QAR07.0003/02



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description of equipment

BNG explosion-proof flexible conduit is an Ex component, which is comprised of connectors, a metal conduit and sheath. BNG explosion-proof flexible conduit is of type "d" and "tD". It can be used as a connecting device for relevant flameproof electrical apparatus.

Thread sizes are from M20 to M63, NPT1/2" to NPT2" and G1/2" to G2".

Type identification:

BNG-□×□□ (□) □□ (□)

□×: Length

□: Thread specification □: Size (□): Male thread/Female thread

□: Thread specification □: Size (□): Male thread/Female thread

Schedule of Limitations

Flexible conduits must be included in the reference pressure testing of the relevant Ex-d assembly. Flexible conduits using the pipe threads (G1/2" – G2") must be subjected to explosion tests for non-transmission in the relevant assembly. Safety factors as described in IEC60079-1 must be applied to threaded joints under test.

CONDITIONS OF CERTIFICATION: NO