



# 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](http://www.iecex.com)

### Ex COMPONENT CERTIFICATE

Certificate No.: IECEx CNEX 18.0038U

Issue No: 0

Certificate history:

Issue No. 0 (2018-11-05)

Status: Current

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Date of Issue: 2018-11-05

Applicant: Warom Technology Incorporated Company  
No. 555# Baoqian Road, Jiading, Shanghai  
China

Ex Component: Explosion-proof connectors model BGJ

This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).

Type of Protection: db, eb, tb

Marking:

Ex db IIC Gb

Ex eb IIC Gb

Ex tb IIIC Db

Approved for issue on behalf of the IECEx  
Certification Body:

Wu Jianguo

Position:

Certification Officer

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 the Official IECEx Website.

Certificate issued by:

CNEX-Global B.V.  
Utrechtseweg 310-B38,  
6812AR, Arnhem  
The Netherlands





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Manufacturer: Warom Technology Incorporated Company  
No. 555# Baoqian Road, Jiading, Shanghai  
China

Additional 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 Component 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 Ex Component 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 : 2015 Edition:5.0	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 Ex Component listed has successfully met the examination and test requirements as recorded in*

### Test Report:

NL/CNEX/ExTR18.0048/00

### Quality Assessment Report:

CN/CQM/QAR07.0003/07





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## Schedule

Ex Component(s) covered by this certificate is described below:

These explosion-proof connectors/adapters model BGJ are accessories for cable gland and equipment connection. It consists of connectors with O-rings and sealing rings. The connectors/adapters are made of carbon steel Q235, stainless steel 304/316/316L or brass H59. The O-rings and sealing rings are made of VMQ silicon rubber.

For Nomenclature see the Annex to this certificate.

### SCHEDULE OF LIMITATIONS:

The service temperature range is limited to -60°C ... +100°C.

Only one connector/adapter is permitted for each cable entry. Blanking elements shall not be used with connectors/adapters.

Connectors/adapters with 'G' pipe threading may only be used in Ex eb constructions.

### Annex:

P18062IA-CC IECEx CNEX 180038U Annex.pdf

## Annex to Certificate IECEx CNEX 18.0038U issue 0

**Equipment or Protective System:** Explosion-proof connectors model BGJ

**Manufacturer:** Warom Technology Incorporated Company

**Address:** No. 555# Baoqian Road, Jiading, Shanghai, P.R. China

### Nomenclature for model BGJ-ab(c)/de(f)

- BGJ - Explosion-proof connectors
- a - Thread (M=Metric thread, NPT=NPT thread, G=Pipe thread)
- b - Size
- (c) - Type of thread (M=Male, F=Female)
- d - Thread (M=Metric thread, NPT=NPT thread, G=Pipe thread)
- e - Size
- (f) - Type of thread (M=Male, F=Female)

### Model, technical parameters and Ex-coding:

Type	Thread		Ex-marking
	Metric	NPT	
BGJ-M□(□)/M□(□) BGJ-NPT□(□)/NPT□(□)	M20×1.5	NPT 1/2 "	Ex db IIC Gb Ex eb IIC Gb Ex fb IIIC Db
	M25×1.5	NPT 3/4 "	
	M32×1.5	NPT 1 "	
	M40×1.5	NPT 1 1/4 "	
	M50×1.5	NPT 1 1/2 "	
	M63×1.5	NPT 2 "	
	M75×1.5	NPT 2 1/2 "	
	M90×1.5	NPT 3 "	
	M110×1.5	NPT 4 "	

Type	Thread			Ex-marking
	Metric	NPT	G	
BGJ-M□(□)/M□(□) BGJ-NPT□(□)/NPT□(□) BGJ-G□(□)/G□(□)	M20×1.5	NPT 1/2 "	G1/2 "	Ex eb IIC Gb Ex fb IIIC Db
	M25×1.5	NPT 3/4 "	G3/4 "	
	M32×1.5	NPT 1 "	G1 "	
	M40×1.5	NPT 1 1/4 "	G1 1/4 "	
	M50×1.5	NPT 1 1/2 "	G1 1/2 "	
	M63×1.5	NPT 2 "	G2 "	
	M75×1.5	NPT 2 1/2 "	G2 1/2 "	
	M90×1.5	NPT 3 "	G3 "	
	M110×1.5	NPT 4 "	G4 "	

Certification Body: CNEX-Global B.V., Utrechtseweg 310-B38, 6812 AR, Arnhem, the Netherlands

This Annex may only be reproduced in its entirety and without any change



## **Annex to Certificate IECEx CNEX 18.0038U issue 0**

Mounting Instructions:

See manufacturer's instructions.

Installation Instructions:

See manufacturer's instructions.

Routine Tests:

None.

Descriptive Documents:

Detailed in the Test Report Cover document. (ref. CQST/ExTR1807G002)