



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

### Ex COMPONENT CERTIFICATE

Certificate No.: **IECEX CQM 14.0031U**

Page 1 of 4

Certificate history:

Status: **Current**

Issue No: 3

Issue 2 (2024-03-08)

Issue 1 (2022-10-31)

Issue 0 (2014-07-08)

Date of Issue: 2025-12-02

Applicant: **WAROM TECHNOLOGY INCORPORATED COMPANY**  
No. 555, Baoqian Road, Jiading District, Shanghai 201808  
**China**

Ex Component: Explosion-proof Circuit Breaker Modules typed BL8060 Series

*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: **Flameproof enclosure "db" and Increased safety "eb"**

Marking: Ex db eb IIC Gb

Tamb: -40°C to +70°C or -20°C to +70°C

Approved for issue on behalf of the IECEx  
Certification Body:

**Ji Xiaodong**

Position:

**President**

Signature:  
(for printed version)

Date:  
(for printed version)

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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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Certificate No.: **IECEx CQM 14.0031U**

Page 2 of 4

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Manufacturer: **Warom Technology Incorporated Company**  
No. 555, Baoqian Road, Jiading District, Shanghai  
201808  
China

Manufacturing locations: **Warom Technology Incorporated Company**  
No. 555, Baoqian Road, Jiading District, Shanghai  
201808  
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 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** 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 60079-7:2017** 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 component listed has successfully met the examination and test requirements as recorded in:

Test Reports:

**CN/CQM/ExTR14.0037/00**  
**CN/CQM/ExTR14.0037/03**

**CN/CQM/ExTR14.0037/01**

**CN/CQM/ExTR14.0037/02**

Quality Assessment Report:

**CN/CQM/QAR07.0003/14**



# IECEx Certificate of Conformity

Certificate No.: **IECEx CQM 14.0031U**

Page 3 of 4

Date of issue: 2025-12-02

Issue No: 3

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

## Description of equipment

BL8060 Series explosion-proof circuit breaker module is Ex components, it adopts flameproof and increased safety structure. The cavity adopts engineering plastics embedded with high strength metal frame structure, having the high strength, corrosion resistance and stable performance. It is of built-in breaker or disconnecter with auxiliary contacts module and residual current module. The internal special operating mechanism can achieve "ON" and "OFF" by operating mechanism, with reliable operation. The components are encapsulated with epoxy resin in cavity and the encapsulated thickness is not less than 10mm. The wiring of components adopts tile pad with waveform structure, which can make the wires do not slide out of the fixed position of terminals when tightening. It has anti-twist function and the tightening torque is 3.2N·m.

BL8060-100 Series explosion-proof circuit breaker module features a flameproof construction, with its enclosure crafted from ZL102 material. The cover and body are cemented together and fixed by screws. Increased safety connectors are provided for wiring connection. Inside, a dedicated operating mechanism is integrated, guaranteeing overall reliable operation

Nomenclature and ratings are refer to the attachment.

## SCHEDULE OF LIMITATIONS:

1. Ambient temperature: -40°C~+70°C or -20°C~+70°C.
2. Service temperature range: -40°C to +110°C or -20°C~+110°C.
3. When assembly, operation and maintenance, the operator should follow the requirements of the user instruction.
4. The product should be installed inside explosion-proof enclosure fulfills the requirements of IEC 60079-0, which is suitable to the hazardous area.
5. The product is certified as Ex component, it shall be assessed when used in an equipment.



# IECEx Certificate of Conformity

Certificate No.: **IECEx CQM 14.0031U**

Page 4 of 4

Date of issue: 2025-12-02

Issue No: 3

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

1. Additional new structure for ambient temperature -40°C~+70°C and rated service temperature range to -40°C~+110°C.
2. Add new structure of the module BL8060-100/□/□/□(drawing No.: 615628005501),
3. Update the instruction manual accordingly.

## Annex:

[IECEx CQM 14.0031U attachment\\_1.pdf](#)



# Attachment to CoC

## IECEX CQM 14.0031U Issue 3



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### Manufacturer:

**WAROM TECHNOLOGY INCORPORATED COMPANY**

Address: No. 555 Baoqian Road, Jiading District, Shanghai, 201808, China

### Electrical equipment:

Explosion-proof Circuit Breaker Modules typed BL8060-\*/\*\*/\*\*/\* and  
BL8060-100/\*\*/\*

### Nomenclature:

BL8060 -□/□/□/□/□/□/□

LT: ambient temperature: -40°C~+70°C, or blank: -20°C~+70°C

F: auxiliary contacts module, or blank

L: residual current module, or blank

Function, C: Lighting protectin, D:Power Supply

Protection, G: Disconnecter

Interruption capability, N: 6kA, H: 10kA, L: 22kA, L1:25kA or blank

Pole number

Rated current

Explosion-proof circuit breaker modules and Design No.

BL 8060— 100/□/□/□

C: Lighting protection, D: Dynamic protection

Breaking capacity: C: 35kA,L:50kA,M:70kA,  
H:100 kA

Pole number: 3P

Rated current: Max: 100A

Design No.

Explosion-proof circuit breaker modules

**Ratings:****Table 1 Product with breaker**

Model	Rated voltage	Rated current (A)	Rated Residual current (mA)	Rated voltage for auxiliary contact (V)
BL8060-□/1/□/□ BL8060-□/2/□/□ BL8060-□/3/□/□ BL8060-□/4/□/□	Max. AC 690V 50/60Hz Max. DC 500V	1, 2, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63	/	/
BL8060-□/1/□/□/□/□ BL8060-□/2/□/□/□/□ BL8060-□/3/□/□/□/□ BL8060-□/4/□/□/□/□				Max. AC 415V 50/60Hz Max. DC 230V
BL8060-□/1+NA/□/□/□ /L/F BL8060-□/2/□/□/□/□ BL8060-□/3/□/□/□/□ BL8060-□/4/□/□/□/□			10, 30, 100, 300, 500	Max. AC 415V 50/60Hz Max. DC 230V
BL8060-□/1+NA/□/□/□ BL8060-□/2/□/□/□/□ BL8060-□/3/□/□/□/□ BL8060-□/4/□/□/□/□				/

**Table 2 Product with Disconnector**

Model	Rated voltage	Rated current (A)	Rated voltage for auxiliary contact (V)
BL8060-□/1/G BL8060-□/2/G BL8060-□/3/G BL8060-□/4/G	Max. AC 690V 50/60Hz Max. DC 500V	16, 25, 32, 40, 50, 63	/
BL8060-□/1/G/F BL8060-□/2/G/F BL8060-□/3/G/F BL8060-□/4/G/F			Max. AC 415V 50/60Hz Max. DC 230V

**Table 3 Rating for BL8060-100 series with breaker**

Model	Rated voltage(V)	Rated current (A)	Breaking Capacity(kA)
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# Attachment to CoC

## IECEX CQM 14.0031U Issue 3



BL8060-100/□/□/□	Max. AC 690V 50/60Hz, Max. DC 500V	1, 2, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63, 80, 100	35, 50, 70, 100
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**Table 4 Current and cross-sectional area of conductors**

Rated current (A)	Cross-sectional area of conductors (mm <sup>2</sup> )
1, 2, 4, 6, 10	2.5
16, 20, 25	4
32	6
40	10
50	16
63/80	25
100	35

**Table 5 Auxiliary contact (Not for BL8060-100 series)**

Rated current (A)	Auxiliary contact voltage (V)	Auxiliary contact current (A)
1, 2, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63	Max. AC 415V 50/60Hz Max. DC 230V	Max. 6A