



# 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 23.0002U**

Page 1 of 4

Certificate history:

Status: **Current**

Issue No: 1

Issue 0 (2023-01-06)

Date of Issue: 2024-04-10

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

Ex Component: Explosion-proof fuse typed BRT8060-\*

*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: **Increased safety "eb", Encapsulation "mb"**

Marking: Ex eb mb IIC Gb

Approved for issue on behalf of the IECEx  
Certification Body:

Ji Xiaodong

Position:

President

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](http://www.iecex.com) or use of this QR Code.



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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Page 2 of 4

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locations: **WAROM TECHNOLOGY  
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District, Shanghai, 201808  
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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 60079-18:2017** Explosive atmospheres - Part 18: Protection by encapsulation "m"  
Edition:4.1

**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/ExTR23.0001/00**

**CN/CQM/ExTR23.0001/01**

Quality Assessment Report:

**CN/CQM/QAR07.0003/12**





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Page 3 of 4

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

Explosion-proof fuse is equipped with a cylindrical cap-type fuse body, which is cast and sealed by epoxy resin in the cavity of the plastic shell. Increased safety terminals are provided for wiring.

Nomenclature: BRT8060-\*, where \* indicates rated current.

Rated voltage: Max. 500V AC/DC ;50/60Hz;

Rated current: 0.5A, 0.63A, 0.8A, 1A, 1.25A, 1.6A, 2A, 2.5A, 3.15A, 4A, 5A, 6.3A, 8A, 10A, 12.5A, 16A

## SCHEDULE OF LIMITATIONS:

1. Fuse terminals are reliably connected, tightening torque 2N·m. The stripping length of wiring is 7-8mm.
2. The product is certified as Ex component, it shall be installed in an enclosure which fulfils the requirements of IEC 60079-0:2017 with ingress protection at least IP54.
3. Rated service temperature range: -60°C~+100°C.
4. When installation in an increased safety enclosure, the minimum creepage 16mm and minimum clearance distance 8.0 shall be observed.
5. Only one conductor is allowed for each terminal.





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Page 4 of 4

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

1. Change the service temperature from  $-40^{\circ}\text{C}\sim+90^{\circ}\text{C}$  to  $-60^{\circ}\text{C}\sim+100^{\circ}\text{C}$ .
2. Additional casting and sealing material YY3011-3A/B and ZS-GF-5299D.