



# 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)

|                     |   |             |  |
|---------------------|---|-------------|--|
| Certificate No.:    | <b>IECEx CQM 22.0002X</b>   | Page 1 of 4 | <u>Certificate history:</u>  |
| Status:             | <b>Current</b>  | Issue No: 4 | <a href="#">Issue 3 (2025-02-15)</a><br><a href="#">Issue 2 (2023-09-05)</a><br><a href="#">Issue 1 (2022-10-31)</a><br><a href="#">Issue 0 (2022-05-20)</a> |
| Date of Issue:      | 2025-11-12  |             |  |
| Applicant:          | <b>WAROM TECHNOLOGY INCORPORATED COMPANY</b><br>No. 555 Baoqian Road, Jiading District, Shanghai, 201808<br><b>China</b>  |             |  |
| Equipment:          | <b>Explosion-proof Distribution Panel typed BXM(D)8061</b>  |             |  |
| Optional accessory: |   |             |  |
| Type of Protection: | <b>Flameproof enclosure "db", Increased safety "eb", Encapsulation "mb", Dust ignition protection by enclosure "tb"</b>   |             |  |
| Marking:            | Ex db eb mb IIC T4/T5 Gb , Ex tb IIIC T80°C Db (without heater)<br>Ex db eb mb IIC T4 Gb, Ex tb IIIC T80°C Db (with heater)<br>Refer to the attachment for details. |             |  |

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**

**CQM**  
China Quality Mark



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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**

**WAROM TECHNOLOGY MENA FZCO**  
Plot, S10103, Jebal Ali South, Jebal Ali Freezone  
DUBAI PO Box: 263667  
**United Arab Emirates**

**WAROM TECHNOLOGY ARABIA INDUSTRIAL LLC**  
Building No. 4443, Ibn Sina Street, 1st Industrial District  
Dammam 32234  
**Saudi Arabia**

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 equipment 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 60079-18:2017** Explosive atmospheres - Part 18: Protection by encapsulation "m"  
Edition:4.1

**IEC 60079-31:2022** Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:3.0

**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 equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

[CN/CQM/ExTR22.0013/00](#)  
[CN/CQM/ExTR22.0013/03](#)

[CN/CQM/ExTR22.0013/01](#)

[CN/CQM/ExTR22.0013/02](#)

Quality Assessment Report:

[CN/CQM/QAR07.0003/14](#)



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## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

BXM (D) 8061 explosion-proof distribution panel is suitable for Group II (electrical equipment for other explosive gas atmospheres other than coal mines), containing hazardous locations filled with explosive gases (Zone 1, Zone 2) of Group IIA, IIB, IIC gases or vapors with a temperature class of T1...T5. and hazardous locations with combustible dust (Zone 21, Zone 22) of Group IIIA , IIIB, IIIC with temperature class higher than T80°C.

The material of the enclosure is made of Q235, 304 or 316L, which has excellent properties such as corrosion resistance, impact resistance and good thermal stability.

The distribution panel adopts modular design as a whole, and various circuits can be freely combined via copper bars and terminals. The surface mounting elements include the operating handle of the circuit breaker, universal switch, plug and socket. Separated certified Ex components or equipment in the enclosure include circuit breakers, terminals, temperature switch, heaters, indicator, button, switch, fuse and instrument. Under the condition of not exceeding the highest power consumption, the enclosure can also be equipped with aluminum alloy IIC explosion-proof box, which can be equipped with molded case circuit breakers, miniature circuit breakers, intermediate relays, time relays, surge protectors, fuses, AC contactors, thermal relays, transformers, Insulation Monitoring Devices (IMD) and Earth Fault Indicators (EFI), programmable logic controllers, power modules and other non-explosion-proof electrical components.

The ingress protection of enclosure IP66 according to IEC 60529.

Refer to attachments for the detail of Ex marking, ratings and components used.

## SPECIFIC CONDITIONS OF USE: YES as shown below:

1. When the ambient temperature is -20°C~+40°C, it is suitable for the temperature group T5/T80°C. When the ambient temperature is -20°C~ +55°C, it is suitable for temperature group T4/T80°C. When an explosion-proof heater installed and the ambient temperature is -20°C~ +45°C, it is suitable for temperature group T4/T80°C ;
2. When the product is installed in explosive gas atmosphere, separated certified cable glands or blanking elements fulfil requirements of IEC 60079-0:2017 and IEC 60079-7:2015 with Ex marking Ex eb IIC Gb, IP66 shall be incorporated.
3. When the product is installed in combustible dust atmosphere, separated certified cable glands or blanking elements fulfil requirements of IEC 60079-0:2017 and IEC 60079-31:2022 with Ex marking Ex tb IIIC Gb, IP66 shall be incorporated.
4. Use screws with yield strength ≥450MPa for Ex db breaker in the product.
5. Only suitable for high temperature cables over 80°C;
6. Observe the WARNING: "DO NOT OPEN WHEN ENERGIZED!" and "DO NOT OPEN WHEN COMBUSTIBLE DUST ATMOSPHERE MAY BE PRESENT!". When plug and socket installed, WARNING: "DO NOT SEPARATE WHEN ENERGIZED!"



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

Change the location of WAROM TECHNOLOGY MENA FZCO and additional manufacturing Location WAROM TECHNOLOGY ARABIA INDUSTRIAL LLC is added.

Annex:

[IECEx\\_CQM\\_22.0002X\\_004.pdf](#)



# Attachment to CoC

IECEx CQM 22.0002X issue 4



## Manufacturer:

Warom Technology Incorporated Company

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

## Electrical equipment:

Explosion-proof Distribution Panel typed BXM(D)8061

## Ratings:

Max. AC 690V 50/60Hz, Max. DC 500V

Max. 250A (Main switch current)

## Ex marking:

Ex db eb mb II C T5 Gb (Ta: -20°C~+40°C)

Ex db eb mb II C T4 Gb (Ta: -20°C~+55°C)

Ex tb IIIC T80°C Db (Ta: -20°C~+55°C)

When the product is equipped with an explosion-proof heater, the marking is:

Ex db eb mb II C T4 Gb (Ta: -20°C~+45°C)

Ex tb IIIC T80°C Db (Ta: -20°C~+45°C)

Note: protection type "mb" depends on the use of Ex component certified voltmeter or fuse.

## Related Components Information:

List of the components covered by separated IECEx certificates and statement of the assessments regarding the older editions of the standards:

| Components      | Manufacturer                  | Type            | Certificate  | Standards   |
|-----------------|-------------------------------|-----------------|--|---|
| Circuit breaker | Warom                         | BL8060 Series   | IECEx CQM 14.0031U   | IEC 60079-0:2011 <sup>(1)</sup><br>IEC 60079-1:2007 <sup>(2)</sup><br>IEC 60079-7:2006 <sup>(3)</sup> |
| Circuit breaker | Warom                         | BL8060-d Series | IECEx CQM 15.0016U   | IEC 60079-0:2017<br>IEC 60079-1:2014  |
| Indicator       | Warom                         | BD8050          | IECEx CQM 11.0012U   | IEC 60079-0:2011 <sup>(1)</sup><br>IEC 60079-1:2007 <sup>(2)</sup><br>IEC 60079-7:2006 <sup>(3)</sup> |
| Terminal blocks | PHOENIX CONTACT GmbH & Co. KG | UK *, UKH*      | IECEx KEM 06.0034U<br>IECEx KEM 06.0029U<br>IECEx KEM 06.0030U | IEC 60079-0:2017<br>IEC 60079-7:2017  |
| Terminal blocks | Weidmüller Interface          | WDU*            | IECEx ULD  | IEC 60079-0:2017  |



# Attachment to CoC

## IECEx CQM 22.0002X issue 4



|  |                                    |  |                                   |   |
|--|------------------------------------|--|-----------------------------------|---|
|  | GmbH & Co. KG                      | WFF*   | 14.0005U<br>IECEx ULD<br>15.0004U | IEC 60079-7:2017  |
| Terminal blocks                        | Connectwell Industries Pvt Ltd     | CTS*   | IECEx SIR<br>16.0056U             | IEC 60079-0:2011 <sup>(1)</sup><br>IEC 60079-7:2015 <sup>(3)</sup><br>IEC 60079-11:2011               |
| Terminal blocks                        | Weidmüller Interface GmbH & Co. KG | SAKK-series  | IECEx TUR<br>18.0018U             | IEC 60079-0:2011 <sup>(1)</sup><br>IEC 60079-7:2015 <sup>(3)</sup>                                    |
| Terminal blocks                        | WAGO Kontakttechnik GmbH & Co. KG  | 280-283  | IECEx PTB<br>03.0004U             | IEC 60079-0:2017<br>IEC 60079-7:2017  |
| Terminal blocks                        | WAGO Kontakttechnik GmbH & Co. KG  | 284-***,<br>284-**7/999-950  | IECEx PTB<br>14.0046U             | IEC 60079-0:2011 <sup>(1)</sup><br>IEC 60079-7:2015 <sup>(3)</sup>                                    |
| Terminal blocks                        | WAGO Kontakttechnik GmbH & Co. KG  | 285-(*)***,<br>285-(*)***/999-950<br>and 285-4*7,-1175               | IECEx PTB<br>16.0001U             | IEC 60079-0:2017<br>IEC 60079-7:2017  |
| Explosion-proof plug and socket models | Warom                              | BCZ8060-16/□/□<br>BCZ8060-32/□/□                                     | IECEx CNEX<br>21.0004X            | IEC 60079-0:2017<br>IEC 60079-1:2014<br>IEC 60079-7:2017<br>IEC 60079-31:2013 <sup>(4)</sup>          |
| Convection type heater                 | STEGO France SAS                   | CREx02041.0-xx<br>CREx02042.0-xx<br>CREx02051.0-xx<br>CREx02052.0-xx | IECEx EPS<br>16.0048X             | IEC 60079-0:2011 <sup>(1)</sup><br>IEC 60079-1:2014<br>IEC 60079-31:2013 <sup>(4)</sup>               |
| Temperature switch                     | STEGO France SAS                   | REx 011  | IECEx EPS<br>16.0054X             | IEC 60079-0:2011 <sup>(1)</sup><br>IEC 60079-1:2014<br>IEC 60079-31:2013 <sup>(4)</sup>               |
| Explosion-proof Ammeters/Voltmeter     | Warom                              | BB8050-*   | IECEx TPS<br>22.0022U             | IEC 60079-0:2017<br>IEC 60079-7:2017<br>IEC 60079-18:2017   |
| Explosion-proof button                 | Warom                              | BA8050-**  | IECEx LCI<br>08.0013U             | IEC 60079-0:2011 <sup>(1)</sup><br>IEC 60079-1:2007 <sup>(2)</sup><br>IEC 60079-7:2006 <sup>(3)</sup> |
| Explosion-proof control switch         | Warom                              | BK8050-*   | IECEx CQM<br>11.0011U             | IEC 60079-0:2017<br>IEC 60079-1:2014<br>IEC 60079-7:2017  |
| Modular Terminal Blocks                | Weidmüller Interface GmbH & Co. KG | WPD 104  | IECEx CNEX<br>16.0005U            | IEC 60079-0:2017<br>IEC 60079-7:2017  |



## Attachment to CoC

### IECEx CQM 22.0002X issue 4



|                      |       |           |                    |   |
|----------------------|-------|-----------|--------------------|---|
| Breathing device     | Warom | BPS(H)    | IECEx CQM 22.0023X | IEC 60079-0:2017<br>IEC 60079-1:2014<br>IEC 60079-7:2017<br>IEC 60079-31:2022 |
| Explosion-proof Fuse | Warom | BRT8060   | IECEx CQM 23.0002U | IEC 60079-0:2017<br>IEC 60079-7:2017<br>IEC 60079-18:2017                     |
| Explosion-proof box  | Warom | BXC8060-* | IECEx CQM 24.0024U | IEC 60079-0:2017<br>IEC 60079-1:2014  |

- (1): not impacted by the major technical changes until the standard IEC 60079-0:2017
- (2): according to the product structure and certification report, the components meet the requirements of the standard IEC 60079-1:2014
- (3): not impacted by the major technical changes until the standard IEC 60079-7:2017
- (4): not impacted by the major technical changes until the standard IEC 60079-31:2022