



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

| | | | |
|---------------------|--|-------------|--------------------------------------|
| Certificate No.: | IECEx CQM 24.0057X | Page 1 of 4 | <u>Certificate history:</u> |
| Status: | Current | Issue No: 1 | Issue 0 (2025-01-10) |
| Date of Issue: | 2025-11-12 | | |
| Applicant: | WAROM TECHNOLOGY INCORPORATED COMPANY No. 555, Baoqian Road, Jiading District, Shanghai 201808 China | | |
| Equipment: | Explosion-proof Control Station typed BZC8050 Series | | |
| Optional accessory: | | | |
| Type of Protection: | Flameproof enclosure "db", Increased safety "eb", Encapsulation "mb", Dust ignition protection by enclosure "tb" | | |
| Marking: | Ex db eb II C T6 Gb (Ta: -40°C/-60°C~+55°C) Ex db eb mb II C T6 Gb (Ta: -40°C/-60°C~+55°C) Ex db eb II C T6 Gb (Ta: -40°C/-60°C~+40°C) Ex db eb mb II C T6 Gb (Ta: -40°C/-60°C~+40°C) Ex db eb II C T5 Gb (Ta: -40°C/-60°C~+55°C) Ex db eb mb II C T5 Gb (Ta: -40°C/-60°C~+55°C) Ex tb IIIC T80°C Db (Ta: -40°C/-60°C~+55°C) | | |
| | 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)

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 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

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 Report:

[CN/CQM/ExTR24.0077/00](#)

Quality Assessment Report:

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



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The enclosure cover of the BZC8050 series explosion-proof control station is made of GRP or stainless steel or carbon steel with powder coating or aluminum alloy with powder coating.

The enclosure and cover are sealed with gasket. The control station is optionally installed with control buttons, indicator lights, control switches, ammeters, voltmeters, terminals, drain plug (breather) and blanking element which are all separated certified Ex-components. Certified explosion-proof cable glands shall be installed by the user. The product fulfil the requirements of IP66 according to IEC 60529.

Refer to the attachment for details of Ex marking, ratings, nomenclature and list of the components covered by separated IECEx certificates which are optionally to be installed.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. When the ambient temperature is -40°C/-60°C~+40°C, it is suitable for the temperature group T6/T80°C, when the ambient temperature is -40°C/-60°C~ +55°C, it is suitable for temperature group T5/T80°C, when the ambient temperature is -40°C/-60°C~ +55°C and falls within the T6 temperature class, the maximum configuration is as follows: BZC8050-□-D3, BZC8050-□-A3, BZC8050-□-B1K1, BZC8050-□-A2D2, BZC8050-□-A2B1.
2. When the product is installed in explosive gas atmosphere, separated certified cable glands or blanking elements fulfil requirements of IEC 60079-0 and IEC 60079-7 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 and IEC 60079-31 with Ex marking Ex tb IIIC Gb, IP66 shall be incorporated.
4. For product with surface coating, measures shall be taken to avoid electrostatic accumulation when it is used in an environment of combustible dust.



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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_24.0057X_001.pdf](#)



Attachment to CoC

IECEx CQM 24.0057X Issue 1



Manufacturer:

Warom Technology Incorporated Company

Address: No.555, Baoqian Road, Jiading, Shanghai, 201808, PRC

Electrical equipment:

Explosion-proof Control Station typed BZC8050-*A*B*D*K*

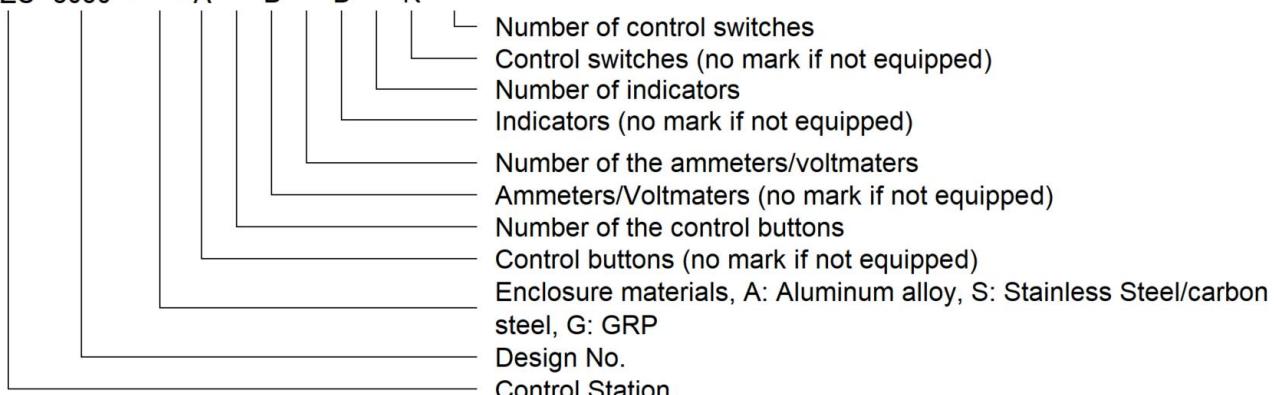
Ex markings and ratings:

| Rated operating voltage(V) | Rated operating current(A) | Ex-mark | | Protection Rating |
|----------------------------|-------------------------------|---|---|-------------------|
| | | -60℃(-40℃)~+40℃ | -60℃(-40℃)~+55℃ | |
| Max.500V AC Max.220 DC | Max.16A (only with BK8050) | Ex db eb IIC T6 Gb Ex db eb mb IIC T6 Gb | Ex db eb IIC T6/T5 Gb Ex db eb mb IIC T6/T5 Gb | IP66 |
| Max.440V AC Max.220V DC | Max.10A | Ex tb IIIC T80℃ Db | Ex tb IIIC T80℃ Db | |

Note: Protection type "mb" depends on the use of certified Ex component, the voltmeter. When the seal strip is made of polyurethane (PU) material, the ambient temperature is $-40^{\circ}\text{C} \sim +40^{\circ}\text{C}$ ($+55^{\circ}\text{C}$); when the seal strip is made of silicone rubber, the ambient temperature is $-60^{\circ}\text{C} \sim +40^{\circ}\text{C}$ ($+55^{\circ}\text{C}$)

Nomenclature:

BZC 8050 - * - A * B * D * K *





Attachment to CoC

IECEx CQM 24.0057X Issue 1



List of the components covered by separated IECEx certificates which are optionally to be installed:

| Components | Manufacturer | Type | Certificate |
|---|---------------------------------------|-------------|--|
| Explosion-proof indicator | WAROM TECHNOLOGY INCORPORATED COMPANY | BD8060-*** | IECEx CQM 24.0019U |
| Explosion-proof indicator lampshade | WAROM TECHNOLOGY INCORPORATED COMPANY | BD8160-* | IECEx CQM 24.0018U |
| Terminal blocks | PHOENIX CONTACT GmbH & Co. KG | UK*/UT* | IECEx KEM 06.0034U IECEx KEM 06.0027U |
| Terminal blocks | Weidmüller Interface GmbH & Co. KG | WDU* | IECEx ULD 14.0005U |
| Terminal blocks | Connectwell Industries Pvt Ltd | CTS* | IECEx SIR 20.0046U |
| Terminal blocks | Weidmüller Interface GmbH & Co. KG | SAKK-series | IECEx TUR 18.0018U |
| Explosion-proof Ammeters/Voltmeters | WAROM TECHNOLOGY INCORPORATED COMPANY | BB8050-** | IECEx TPS 22.0022U |
| Explosion-proof button operating device | WAROM TECHNOLOGY INCORPORATED COMPANY | BA8160-* | IECEx CQM 24.0017U |
| Explosion-proof button | WAROM TECHNOLOGY INCORPORATED COMPANY | BA8060-** | IECEx CQM 24.0016U |
| Explosion-proof control switch | WAROM TECHNOLOGY INCORPORATED COMPANY | BK8050-* | IECEx CQM 11.0011U |
| Explosion-proof drain plug (breather) | WAROM TECHNOLOGY INCORPORATED COMPANY | BPS(H)-II | IECEx CQM 22.0023X |
| Stopping plug | WAROM TECHNOLOGY INCORPORATED COMPANY | BPT*** | IECEx LCIE 15.0070U |