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 14.0033X**	Page 1 of 4
Status:	**Current**	Issue No: 4
Date of Issue:	2025-11-12	

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

Equipment:
Explosion-proof Distribution Panel typed BXM(D) 8050

Optional accessory:

Type of Protection:
Flameproof enclosure "db", Increased safety "eb", Encapsulation "mb" and Dust Protection by enclosure "tb"

Marking:

Ex db eb mb II C T6 Gb (Ta: -20℃/-40℃~+55℃, Max. 32A)

Ex db eb mb II C T5 Gb (Ta: -20℃/-40℃~+40℃, Max. 250A)

Ex db eb mb II C T4 Gb (Ta: -20℃/-40℃~+55℃, Max. 250A)

Ex tb IIIC T80℃ Db (Ta: -20℃/-40℃~+55℃)

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

Ex db eb mb II C T4 Gb (Ta: -20℃/-40℃~+45℃, Max. 250A)

Ex tb IIIC T80℃ Db (Ta: -20℃/-40℃~+45℃)

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

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
Edition:7.0

Explosive atmospheres - Part 0: Equipment - General requirements

IEC 60079-1:2014
Edition:7.0

Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"

IEC 60079-18:2017
Edition:4.1

Explosive atmospheres - Part 18: Protection by encapsulation "m"

IEC 60079-31:2022
Edition:3.0

Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"

IEC 60079-7:2017
Edition:5.1

Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

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/ExTR14.0039/00   CN/CQM/ExTR14.0039/01   CN/CQM/ExTR14.0039/02
CN/CQM/ExTR14.0039/03

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) 8050 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 group of T1...T6. 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 engineering plastics. The distribution panel adopts modular design as a whole, and various circuits can be combined via copper bars and terminals. The surface mounting elements include the operating handles of the circuit breaker, universal switches, push buttons, lampshades and transparent windows. Separated certified Ex components or equipment in the enclosure include circuit breakers, terminals, temperature switch, heaters, indicator, button, switch, fuse modules 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 enclosure fulfills the requirements of IP66 according to IEC 60529.

Refer to attachment for the list of the components covered by separated IECEx certificates.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. When the ambient temperature is -20℃/-40℃~+40℃, the temperature class is T5/T80℃, when the ambient temperature is -20℃/-40℃~ +55℃, the temperature class is T4/T80℃; For the new structure scheme, the ambient temperature is-20℃/-40℃~ +45℃, the temperature class is T4/T80℃;
2. When the ambient temperature is -20℃/-40℃~ +55℃, main switch current Max.32A, it is suitable for the temperature group T6/T80℃ refer to the drawing "615690108501, 615690108601 and 615690108701";
3. Use screws with yield strength ≥450MPa forEx db breaker in the product;
4. Only suitable for high temperature cables over 80℃ for product with temperature class T5/T80℃ and T4/T80℃.

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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_14.0033X_004.pdf

Manufacturer:

Warom Technology Incorporated Company
Address：No.555, Baoqian Road, Jiading, Shanghai, 201808, PRC

Electrical equipment:

Explosion-proof Distribution Panel typed BXM(D) 8050

Ratings:

Max. AC690V 50/60Hz，Max. DC 500V
Max. 250A (Main switch current)

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

Components/ Equipment	Manufacturer	Type	Certificate	Standards
Circuit breaker	Warom	BL8060 Series	IECEx CQM 14.0031U	IEC 60079-0:2017 IEC 60079-1:2014 IEC 60079-7:2017
Circuit breaker	Warom	BL8060-d Series	IECEx CQM 15.0016U	IEC 60079-0:2017 IEC 60079-1:2014
Explosion-proof Indicator	Warom	BD8060	IECEx CQM 24.0019U	IEC 60079-0:2017 IEC 60079-1:2014 IEC 60079-7:2017
Explosion-proof Indicator lampshade	Warom	BD8160	IECEx CQM 24.0018U	IEC 60079-0:2017 IEC 60079-7:2017 IEC 60079-31:2022
Explosion-proof button operating device	Warom	BA8160	IECEx CQM 24.0017U	IEC 60079-0:2017 IEC 60079-7:2017 IEC 60079-31:2022
Terminal blocks	PHOENIX CONTACT GmbH & Co. KG	UK *, UKH*	IECEx KEM 06.0034U IECEx KEM 06.0029U IECEx KEM 06.0030U	IEC 60079-0:2017 IEC 60079-7:2017
Terminal blocks	Weidmüller Interface GmbH & Co. KG	WDU*	IECEx ULD 14.0005U	IEC 60079-0:2017 IEC 60079-7:2017
Terminal blocks	Connectwell Industries Pvt Ltd	CTS*	IECEx SIR 20.0046U	IEC 60079-0:2017 IEC 60079-7:2017 IEC 60079-11:2011
Terminal blocks	Weidmüller Interface GmbH & Co. KG	SAKK-series	IECEx TUR 18.0018U	IEC 60079-0:2017 IEC 60079-7:2017
Terminal blocks	WAGO Kontakttechnik GmbH & Co. KG	284-***, 284-**7/999-950	IECEx PTB 14.0046U	IEC 60079-0:2017 IEC 60079-7:2017

Convection type heater	STEGO France SAS	CREx02041.0-xx CREx02042.0-xx CREx02051.0-xx CREx02052.0-xx	IECEx EPS 16.0048X	IEC 60079-0:2017 IEC 60079-1:2014 IEC 60079-31:2022
Temperature switch	STEGO France SAS	REx 011	IECEx EPS 16.0054X	IEC 60079-0:2017 IEC 60079-1:2014 IEC 60079-31:2013[1]
Explosion-proof Ammeters/Voltmeter	Warom	BB8050-*	IECEx TPS 22.0022U	IEC 60079-0:2017 IEC 60079-7:2017 IEC 60079-18:2017
Explosion-proof button	Warom	BA8060-**	IECEx CQM 24.0016U	IEC 60079-0:2017 IEC 60079-1:2014 IEC 60079-7:2017
Explosion-proof control switch	Warom	BK8050-*	IECEx CQM 11.0011U	IEC 60079-0:2017 IEC 60079-1:2014 IEC 60079-7:2017
Modular Terminal Blocks	Weidmüller Interface GmbH & Co. KG	WPD 104	IECEx CNEX 16.0005U	IEC 60079-0:2017 IEC 60079-7:2017
Breathing device	Warom	BPS(H)	IECEx CQM 22.0023X	IEC 60079-0:2017 IEC 60079-1:2014 IEC 60079-7:2017 IEC 60079-31:2022
Explosion-proof Fuse	Warom	BRT8060	IECEx CQM 23.0002U	IEC 60079-0:2017 IEC 60079-7:2017 IEC 60079-18:2017
Explosion-proof box	Warom	BXC8060-*	IECEx CQM 24.0024U	IEC 60079-0:2017 IEC 60079-1:2014

(1): not impacted by the major technical changes until the standard IEC 60079-31:2022