



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 5	<u>Certificate history:</u>
Status:	Current	Issue No: 5	Issue 4 (2025-11-12)
Date of Issue:	2026-03-24		Issue 3 (2025-04-28)
Applicant:	WAROM TECHNOLOGY INCORPORATED COMPANY No. 555, Baoqian Road, Jiading District, Shanghai 201808 China		Issue 2 (2024-08-27)
Equipment:	Explosion-proof Distribution Panel typed BXM(D) 8050		Issue 1 (2015-06-29)
Optional accessory:			Issue 0 (2014-07-17)
Type of Protection:	Flameproof enclosure "db", Increased safety "eb", Encapsulation "mb" and Dust Protection by enclosure "tb"		
Marking:	Ex db eb mb II C T3/T4/T5/T6 Gb		
	Ex tb IIIC T80°C Db		
	Refer to general product information for details.		
	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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Beijing City, Postal code: 100048
China





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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/ExTR14.0039/00](#)
[CN/CQM/ExTR14.0039/03](#)

[CN/CQM/ExTR14.0039/01](#)
[CN/CQM/ExTR14.0039/04](#)

[CN/CQM/ExTR14.0039/02](#)

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) 8050 explosion-proof distribution panel is used for power distribution and suitable for hazardous area up to Zone 1 and Zone 21, Group IIC and Group IIIC. The temperature classes of the equipment are vary from T3/80°C to T6/80°C basing on different configuration of installed components.

The distribution panel adopts modular design overall, and various circuits can be interconnected via copper bars and terminals. Surface mounted elements include the operating handle of the circuit breakers, universal switches, push buttons, lamp shades and transparent windows. Separated certified Ex components or equipment installed inside the enclosure include circuit breakers, terminals, temperature switches, heaters, indicators, buttons, switches, fuse modules and instruments. Provided that the maximum power consumption is not exceeded, the enclosure can also be fitted with aluminum alloy IIC explosion-proof box, which can accommodate 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 complies with IP66 in accordance with IEC 60529.

Refer to attachment for the list of the components covered by individual IECEX certificates.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. For product without heater, relations between temperature class and ambient temperature are specified as following:

Ex db eb mb IIC T6 Gb (Ta: -20°C or -40°C~+55°C, Max. 32A)

Ex db eb mb IIC T5 Gb (Ta: -20°C or -40°C~+40°C, Max. 250A)

Ex db eb mb IIC T4 Gb (Ta: -20°C or -40°C~+55°C, Max. 250A)

Ex tb IIIC T80°C Db (Ta: -20°C or -40°C~+55°C)

For product with heater, relations between temperature class and ambient temperature are specified as following:

Ex db eb mb IIC T4 Gb (Ta: -20°C or -40°C~+45°C, Max. 250A)

(With heater: CREx02041.0-XX, CREx02042.0-XX, CREx02051.0-XX, CREx02052.0-XX)

Ex db eb mb IIC T4 Gb (Ta: -20°C or -40°C~+55°C, Max. 250A)

(With heater: 27-2C54-7054/110Z/5000, 27-2B54-7104/150Z/5000, 27-2064-3704/Z300, 27-2164-5710/Z300)

Ex db eb mb IIC T3 Gb (Ta: -20°C or -40°C~+55°C, Max. 250A)

(With heater: CREx02031.0-XX, CREx02032.0-XX, 27-2A53-7104/110Z/5000)

Ex tb IIIC T80°C Db (Ta: -20°C or -40°C~+45°C or +55°C) (with any one of the heater mentioned above.)

2. Use screws with yield strength ≥ 450 MPa for Ex db breaker in the product.

3. Contact the original manufacturer for the information of flameproof joints.

4. Observe the warning " DO NOT OPEN WHEN EXPLOSIVE ATMOSPHERE MAY BE PRESENT" and "WARNING: DO NOT OPEN WHEN ENERGIZED" during operation.



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Equipment (continued):

Detail information of Ex marking and heaters:

When the product is without heater, the marking is:

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

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

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

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

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

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

(With heater:CREx02041.0-XX, CREx02042.0-XX, CREx02051.0-XX, CREx02052.0-XX)

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

(With heater: 27-2C54-7054/110Z/5000,27-2B54-7104/150Z/5000,27-2064-3704/Z300,27-2164-5710/Z300)

Ex db eb mb IIC T3 Gb (Ta: -20°C/-40°C~+55°C, Max. 250A)

(With heater:CREx02031.0-XX,CREx02032.0-XX, 27-2A53-7104/110Z/5000)

Ex tb IIIC T80°C Db (Ta: -20°C/-40°C~+45°C/+55°C) (with any one of the heater mentioned above.)

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



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

1. Update the instruction manual.
2. Add new option of increased safety terminals.
3. Added a new structure scheme, details refer to the drawing No. 615690118701,615690118702.
4. Add additional optional types of electrical heaters (27-2 series, CREx0203 series).
5. Add additional optional types of circuit breakers (BL8060-100 series)
6. Update general product information and specific condition of use accordingly.

Annex:

[IECEX CQM 14.0033X attachment_1.pdf](#)



Attachment to CoC

IECEX CQM 14.0033X Issue 5

**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:

Component/ Equipment	Manufacturer	Model/Type	Certificate No.	Standard(s) and date(s)/edition(s)
Explosion-proof Circuit Breaker Modules	Warom	BL8060-*/**/**/**/* BL8060-100/**/**	IECEX CQM 14.0031U	IEC 60079-0:2017; IEC 60079-1:2014; IEC 60079-7:2017
Explosion-proof Circuit Breaker Modules	Warom	BL8060- d/□/□/□/□/□	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
Convection type heater	STEGO FRANCE SAS	CREx02041.0-XX CREx02042.0-XX CREx02051.0-XX CREx02052.0-XX CREx02031.0-XX CREx02032.0-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⁾



Attachment to CoC

IECEX CQM 14.0033X Issue 5



Component/ Equipment	Manufacturer	Model/Type	Certificate No.	Standard(s) and date(s)/edition(s)
Temperature switch	BARTEC GmbH	KTE-d	IECEX PTB 14.0016X	IEC 60079-0:2017; IEC 60079-1:2014; IEC 60079-31:2013 ⁽¹⁾
Heater HS*	BARTEC GmbH	27-2C54- 7054/110Z/5000 27-2A53- 7104/110Z/5000 27-2B54- 7104/150Z/5000	IECEX PTB 14.0019X	IEC 60079-0:2017; IEC 60079-1:2014; IEC 60079-31:2013 ⁽¹⁾
Heater HC*	BARTEC GmbH	27-2064-3704/Z300 27-2164-5710/Z300	IECEX PTB 14.0020X	IEC 60079-0:2017; IEC 60079-1:2014; IEC 60079-31:2013 ⁽¹⁾
Explosion-proof Ammeters/Voltmeter	Warom	BB8050 Series	IECEX TPS 22.0022U	IEC 60079-0:2017 IEC 60079-7:2017 IEC 60079-18:2017
Explosion-proof control 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
Explosion-proof drain plug (Breather)	Warom	BPS(H)-II	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
Terminal blocks	PHOENIX CONTACT GmbH & Co. KG	UK *,UKH *	IECEX KEM 06.0034U IECEX KEM 06.0029U IECEX KEM 06.0030U IECEX SEV 12.0008U	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	SAKK series	IECEX TUR 18.0018U	IEC 60079-0:2017 IEC 60079-7:2017



Attachment to CoC

IECEX CQM 14.0033X Issue 5



Component/ Equipment	Manufacturer	Model/Type	Certificate No.	Standard(s) and date(s)/edition(s)
	& Co. KG			
Terminal blocks	Weidmüller Interface GmbH & Co. KG	AKZ/AKE Series	IECEX TUR 18.0024U	IEC 60079-0:2017 IEC 60079-7:2017
Terminal blocks	WAGO GmbH & Co. KG	279-***,280-***,281- ***,282-***,283-***, 284-*** ,285-(*)***	IECEX PTB 03.0004U IECEX PTB 14.0046U IECEX PTB 16.0001U	IEC 60079-0:2017 IEC 60079-7:2017
Terminal blocks	PHOENIX CONTACT GmbH & Co. KG	MUT*	IECEX SEV 13.0012U	IEC 60079-0:2017 IEC 60079-7:2017
Terminal blocks	PHOENIX CONTACT GmbH & Co. KG	PT*	IECEX SEV 13.0005U IECEX PTB 10.0021U IECEX PTB 10.0046U	IEC 60079-0:2017 IEC 60079-7:2017
Terminal blocks	PHOENIX CONTACT GmbH & Co. KG	RBO*	IECEX SEV 13.0003U	IEC 60079-0:2017 IEC 60079-7:2017
Terminal blocks	PHOENIX CONTACT GmbH & Co. KG	RT(O)*	IECEX PTB 08.0063U	IEC 60079-0:2017 IEC 60079-7:2017
Terminal blocks	PHOENIX CONTACT GmbH & Co. KG	ST*	IECEX KEM 06.0051U	IEC 60079-0:2017 IEC 60079-7:2017
Terminal blocks	PHOENIX CONTACT GmbH & Co. KG	UT*	IECEX KEM 06.0027U	IEC 60079-0:2017 IEC 60079-7:2017
Terminal blocks	Weidmüller Interface GmbH & Co. KG	WDK*	IECEX ULD 15.0003U	IEC 60079-0:2017 IEC 60079-7:2017
Terminal blocks	Weidmüller Interface GmbH & Co. KG	WFF*	IECEX ULD 15.0004U	IEC 60079-0:2017 IEC 60079-7:2017
Terminal blocks	Weidmüller Interface GmbH & Co. KG	ZDU*	IECEX ULD 15.0008U	IEC 60079-0:2017 IEC 60079-7:2017

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