



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 13.0031X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 2	Issue 1 (2019-05-07) Issue 0 (2013-08-26)
Date of Issue:	2025-11-12		
Applicant:	WAROM TECHNOLOGY INCORPORATED COMPANY No. 555, Baoqian Road, Jiading District, Shanghai 201808 China		
Equipment:	Terminal box BXJ8050 series		
Optional accessory:			
Type of Protection:	Increased safety "e", Protection by enclosure "t", Intrinsic safety "i"		
Marking:	Ex e IIC T6 or T5 Gb T6: $-40^{\circ}\text{C} \leq \text{Ta} \leq +40^{\circ}\text{C}$, T5: $-40^{\circ}\text{C} \leq \text{Ta} \leq +55^{\circ}\text{C}$ Ex tb III C T80°C Db IP66 $-40^{\circ}\text{C} \leq \text{Ta} \leq +55^{\circ}\text{C}$ Ex ia IIC T6 Ga $-40^{\circ}\text{C} \leq \text{Ta} \leq +55^{\circ}\text{C}$		

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.
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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





IECEx Certificate of Conformity

Certificate No.: **IECEx CQM 13.0031X**

Page 2 of 4

Date of issue: 2025-11-12

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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 60079-0:2011](#) Explosive atmospheres - Part 0: General requirements
Edition:6.0

[IEC 60079-11:2006](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:5

[IEC 60079-31:2008](#) Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'
Edition:1

[IEC 60079-7:2006](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:4

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/ExTR13.0047/00](#)

[CN/CQM/ExTR13.0047/01](#)

Quality Assessment Report:

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



IECEx Certificate of Conformity

Certificate No.: **IECEx CQM 13.0031X**

Page 3 of 4

Date of issue: 2025-11-12

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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Description of equipment

The BXJ8050 series terminal box is comprised of an enclosure and a cover, both are manufactured from SMC-2. A terminal, a rail are installed in the compartment. The entry holes are blocked by plugs. When cables or conductors go into the box and are connected to the terminal in the box, only suitably certified cable glands and blanking plugs can be used.

For increased safety terminal box, the type SAK or WDU and WPE terminals are installed in the enclosure.

For intrinsic safety terminal box, the type M terminals were installed in the enclosure.

The type SAK terminals were certified under IECEx KEM 06.0014U. The insulating material of the type SAK terminals is KrG. The standards followed by the type SAK terminals under certificate IECEx KEM 06.0014U are IEC 60079-0:2004 and IEC 60079-7:2001. The differences between IEC 60079-0:2004 and IEC 60079-0:2011, between IEC 60079-7:2001 and IEC 60079-7:2006 are not relevant to the terminals. Type WDU and WPE terminals were certified under IECEx ULD 14.0005U. Type WPE is protective conductor terminal blocks. The type M terminals were LCIE 02 ATEX 0014U/02. The standards followed by the type M terminals under certificate LCIE 02 ATEX 0014U/02 are EN 60079-0:2004 and EN 60079-11:2007. The differences between EN 60079-11:2007 and IEC 60079-11:2006 are not relevant to the terminals.

Rating

Rated voltage: 690VAC and below, For intrinsic safety terminal box: rated current: 5A. For increased safety terminal box rated current, see the following table.

The type, maximum dissipated power, current, the tightening torque and the section of conductor are following:

Section of conductor		2.5mm ²	4mm ²	6mm ²	10mm ²	16mm ²	35mm ²
Type of terminal		SAK2.5 EN WDU2.5 WDU2.5N	SAK4 EN WDU4 WDU4N	SAK6 EN WDU6	SAK10 EN WDU10	SAK16 EN WDU16	SAK35 EN WDU35 WDU35N
Terminal current (A)		20	28	35	45	60	100
Tightening torque (Nm)	SAK*	0.6	1.0	1.6	2.4	4.0	5.0
	WDU*	0.4~0.8(2.5) 0.4~0.6(2.5N)	0.5~1.0	0.8~1.6	1.2~2.4	2.0~4.0	4.0~5.0
Maximum Dissipated Power(W)		Model					
		BXJ8050-I	BXJ8050-II	BXJ8050-III	BXJ8050-IV	BXJ8050-V	BXJ8050-VI
		BXJ8050-VII					
		2.30	6.81	6.50	14.32	28.08	7.92
							25.00

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. For the terminal box with type of protection increased safety "e", the ambient temperature is $-40^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$ (for T6) or $-40^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$ (for T5). For the terminal box with type of protection intrinsic safety "i" and type of dust ignition protection by enclosure "t", the ambient temperature is $-40^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$.

2. The terminal box with type of protection intrinsic safety is a simple apparatus, when it form part of an equipment containing other electrical circuits, the whole shall be assessed according to the requirements of IEC 60079-11.



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Certificate No.: **IECEx CQM 13.0031X**

Page 4 of 4

Date of issue: 2025-11-12

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Additional manufacturing locations WAROM TECHNOLOGY MENA FZCO and WAROM TECHNOLOGY ARABIA INDUSTRIAL LLC are added.