



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx CQM 16.0010X Issue No: 0 Certificate history:
Issue No. 0 (2016-03-03)

Status: Current Page 1 of 3

Date of Issue: 2016-03-03

Applicant: SHIMADA ELECTRIC CO., LTD.
2-29-6, Nakaikogami Ota-ku, Tokyo
Japan

Electrical Apparatus: Increased Safety Junction Box SXTB- ** - *
Optional accessory:

Type of Protection: Ex "e", "I", "t"

Marking: Ex e IIC T5/T6 Gb,
Ex ia IIC T5/T6 Ga
Ex tb IIIC T80°C/T95°C Db
IP66

Approved for issue on behalf of the IECEx
Certification Body:

Ji Xiaodong

Position:

General Manager

Signature:
(for printed version)

Date:

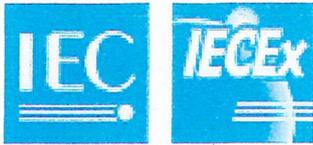
2016-03-03

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

China Quality Mark Certification Group Co., Ltd.
No. 33 Zengguang Road, Haidian District,
Beijing City, Postal code: 100048
China





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Manufacturer: SHIMADA ELECTRIC CO., LTD.
2-29-6, Nakaikegami Ota-ku, Tokyo
Japan

Additional Manufacturing
location(s):

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 electrical apparatus 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 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-31 : 2008 Edition:1	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-7 : 2006-07 Edition:4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

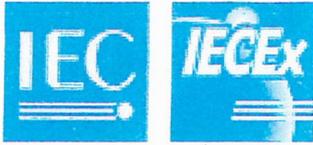
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[CN/CQM/ExTR15.0067/00](#)

Quality Assessment Report:

[CN/CQM/QAR12.0002/02](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description of equipment

SXTB-**-** type increased safety junction box consists of separately component certified junction box enclosure: IECEx LCIE 12.0022U. Separately component certified terminals are placed inside the junction box enclosure.

Nomination

-**	-*
Dimension	Size code
20: 214×200×165	A: Side Plate 1 to 4
30: 314×300×205	B: Side Plate 1 to 2
40: 414×400×206	C: Side Plate 2
50: 514×500×206	D: No Side Plate
60: 614×600×206	

Rating

Non-IS: Rated Voltage: up to 880V, Rated Current: up to 90A
IS: Max. $U_i=45V$, $I_i=3A$

CONDITIONS OF CERTIFICATION: YES as shown below:

1 Rated ambient temperature range:
Silicon Rubber: $-50^{\circ}C \sim +40^{\circ}C(T6)$, $-50^{\circ}C \sim +55^{\circ}C(T5)$
NBR or CR: $-20^{\circ}C \sim +40^{\circ}C(T6)$, $-20^{\circ}C \sim +55^{\circ}C(T5)$

2 For Ex ia, it is a simple apparatus. Where it forms part of an apparatus containing other electrical circuits, the whole shall be assessed according to the requirements of IEC60079-11.