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 17.0003U

Issue No: 0

Certificate history:
Issue No. 0 (2017-09-28)

Status: Current

Date of Issue: 2017-09-28

Applicant: SHIMADA ELECTRIC CO., LTD.
2-29-6, Nakaikegami Ota-ku, Tokyo, 146-0081
Japan

Equipment: Increased Safety Junction Box SXTB- * - * - E

Optional accessory:

Type of Protection: Ex "e", "tD"

Marking:
Ex eb IIC Gb, Ex tb III C Db IP66

Approved for issue on behalf of the IECEx Certification Body: Ji Xiaodong

Position: General Manager

Signature:
(for printed version)

Date: 2017-09-28

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.

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, 146-0081 **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 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-7 : 2015 Edition:5.0	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/ExTR17.0007/00

Quality Assessment Report:

CN/CQM/QAR12.0002/03

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

General product information:

SXTB-*-* type increased safety junction box consists of increase safety enclosure and separately component certified terminals.

-*	-*
Dimension	Size code
1:150 × 150 × 120	A: Side Plate 1 to 4
2:200 × 200 × 148	B: Side Plate 1 to 2
3:300 × 300 × 150	C: Side Plate 2
4:400 × 400 × 201	D: No Side Plate
5:500 × 500 × 200	
7:750 × 550 × 208	

Schedule of Limitations

1. The empty increased safety enclosure is an Ex Component which is not intended to be used alone and require additional consideration when incorporated into electrical equipment or system.

2. The Ex marking may be omitted, when Ex Component enclosure manufacturer is also intended to be the holder of the equipment certificate.

3. Rated service temperature range (°C) for Ex Components :
Silicon Rubber: -50°C ~ +75°C
NBR or CR:-20°C ~ +75°C

SPECIFIC CONDITIONS OF USE: NO