



# 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](http://www.iecex.com)

Certificate No.: IECEx LCIE 12.0034U issue No.: 0 Certificate history: ...

Status: **Current**

Date of Issue: 2013-02-15 Page 1 of 3

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

Electrical Apparatus: **Junction box**  
Optional accessory:

Type of Protection: **e and t**

Marking: SHIMADA ELECTRIC CO., LTD  
Address : ...  
Type : SXTB-xxx-x-E  
Serial number : ...  
Year of construction : ...  
Ex e IIC Gb  
Ex tb IIIC Db  
IP66  
IECEX LCIE 12.0034U

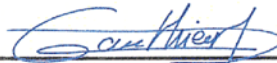
Approved for issue on behalf of the IECEx  
Certification Body:

Julien GAUTHIER

Position:

Certification Officer

Signature:  
(for printed version)

  
\_\_\_\_\_  
2013-02-15

Date:

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:

**Laboratoire Central des Industries Electriques (LCIE)**  
33 Avenue du General Leclerc  
FR-92260 Fontenay-aux-Roses  
France

Documents relative to LCIE certification activities (Certificates,  
QARs, ExTRs) can be registered under the references "LCI" or  
"LCIE".





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Manufacturer: **SHIMADA ELECTRIC CO., LTD**  
Sano Factory  
946-1 Akasaka-Cho, Sano-City,  
Tochigi 327-0004  
**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:

- |  |  |
|--|--|
| <b>IEC 60079-0 : 2007-10</b><br>Edition: 5 | Explosive atmospheres - Part 0: Equipment - General requirements                     |
| <b>IEC 60079-31 : 2008</b><br>Edition: 1   | Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't' |
| <b>IEC 60079-7 : 2006-07</b><br>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:  
FR/LCIE/ExTR12.0036/00

Quality Assessment Report:

CN/CQM/QAR12.0002/00



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The SXTB-xxx-x-E increased safety empty junction boxes are made of stainless steel in different sizes. Optionnally up to 4 side plates made of stainless steel or brass are provided to the side wall of the body.

### Schedule of limitations :

Ambient operating temperature range :

-20°C to +75°C for Nitrile Butadiene Rubber (NBR) or Chloroprene Rubber (CR) gasket

-50°C to +75°C for Silicon Rubber (Si) gasket

Number of entries into enclosure shall be in conformity with manufacturer instructions.

### List of models :

SXTB-xxx-x-E

SXTB-...-...-E

-xxx

-x

Type

Dimension

Size code

200 : 200 x 200 x 176

A : Side Plate 1 to 4

300 : 300 x 300 x 216

B : Side Plate 1 to 2

400 : 400 x 400 x 216

C : Side Plate 2

500 : 500 x 500 x 216

D : No Side Plate

600 : 600 x 600 x 216

800 : 800 x 800 x 304

CONDITIONS OF CERTIFICATION: NO