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 CML 18.0014U

Issue No: 0

Certificate history:
Issue No. 0 (2018-02-08)

Status: **Current**

Date of Issue: **2018-02-08**

Applicant: **Shimada Electric Co. Ltd**
2-29-6 Nakaikegami
Ohta-ku
Tokyo
Japan

Equipment: **S1200 Series Explosion-proof Boxes**

Optional accessory:

Type of Protection: **Increased Safety; Protection by Enclosure**

Marking:

Ex eb IIC Gb
Ex tb IIIC Db

Ts = -55/40°C to +60°C/+80°C/+100°C

Approved for issue on behalf of the IECEx Certification Body: A C Smith

Position: Technical Operations Director

Signature:
(for printed version)

Date: 2018-02-08

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:

Certification Management Limited
Unit 1, Newport Business Park
New Port Road
Ellesmere Port, CH65 4LZ
United Kingdom

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Manufacturer: **Shimada Electric Co. Ltd**
2-29-6 Nakaikegami
Ohta-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 60079-31 : 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:

GB/CML/ExTR18.0016/00

Quality Assessment Report:

CN/CQM/QAR12.0002/03

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The S1200 Series Explosion-proof Boxes are manufactured from anti-static glass fibre reinforced polyester (SMC / GRP).

See Annexfor detailed description.

SPECIFIC CONDITIONS OF USE: NO

Annex:

IECEx CML 18-0014U Issue 0.pdf

Annexe to:	IECEx CML 18.0014U Issue 0
Applicant:	Shimada Electric Co. Ltd
Apparatus:	S1200 Series Explosion-proof Boxes

Description

The S1200 Series Explosion-proof Boxes are manufactured from anti-static glass fibre reinforced polyester (SMC/GRP). The boxes incorporate a seal between the cover and the body to ensure IP66/IP65 protection and M14 x 1.5 moulded plastic or H59 brass bolts used to secure the cover and body.

Schedule of Limitations

i. The enclosures shall not exceed the maximum service temperatures shown below when constructed out of the following materials or components:

-40°C to +60°C (Foam PU seal)
-55°C to +100°C (SR silicone rubber seal)
-55°C to +80°C (SR silicone rubber seal or with hinges and connection boards)

ii. The ingress protection level depends on the sealing material used. The ingress protection levels are as follows:

IP66 - SR silicone rubber seal

IP65 - Foamed PU seal, and enclosure type S1200-093☐ or S1200-094☐

Additionally, the ingress protection level shall also be determined by the lowest IP rating of the Ex components it is used with.

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