



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 17.0129U

Issue No: 0

Certificate history:

Issue No. 0 (2017-08-22)

Status: **Current**

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Date of Issue: **2017-08-22**

Applicant: **Shimada Electric Co Ltd**
2-29-6, Nakaikagami Ota-Ku, Tokyo 146-0081
Japan

Equipment: **Explosion-proof signal lamp with button module Type S0212...**

Optional accessory:

Type of Protection: **Ex "d","e","I"**

Marking:

Ex db eb IIC Gb for S0212-□□□1□, S0212-□□□3□, S0212-□□□4□

Ex ia IIC Ga for S0212-□□□0H

Approved for issue on behalf of the IECEx
Certification Body:

A Snowdon

Position:

Certification Officer

Signature:
(for printed version)

A Snowdon

Date:

22nd August 2017

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:

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 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 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-26 : 2014-10 Edition:3.0	Explosive atmospheres - Part 26: Equipment with Equipment Protection Level (EPL) Ga
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/ExTR17.0155/00

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 S0212 Explosion-proof Signal Lamp with Button Module is a built-in appliance and serves as a signal lamp. It is provided with the function of a control switch.

Refer to certificate Annex for full description and Schedule of Limitations.

SPECIFIC CONDITIONS OF USE: NO

Annex:

[Certificate Annex IECEx CML 17.0129U Iss. 0.pdf](#)

Annexe to: IECEx CML 17.0129U Issue 0
Applicant: Shimada Electric Co Ltd
Apparatus: Explosion-proof signal lamp with button module Type S0212



Description

The S0212 Explosion-proof Signal Lamp with Button Module is a built-in appliance and serves as a signal lamp. It is provided with the function of a control switch.

Rating

S0212-□□□1□:

For signal lamp 20V ~ 250VAC/DC, for button: 250VAC/10A, 24VDC/1A:

S0212-□□□3□:

For signal lamp 10V ~ 28VAC/DC, for button: 250VAC/10A, 24VDC/1A:

S0212-□□□4□:

For signal lamp 50V ~ 277VAC/DC, for button: 250VAC/10A, 24VDC/1A:

S0212-□□□0H:

For signal lamp: Ui: 28VDC/AC, Ii: 93mA, Pi: 0.651W, Ci: 0.01μF, Li: 2.2mH;

For button: Ui: 30V DC/AC, Ii: 100mA, Pi: 1W, Ci: 0μF, Li: 0mH.

Schedule of limitations

1. Rated ambient temperature

S0212-□□□1L: from -40°C to +60°C

S0212-□□□3L: from -40°C to +60°C

S0212-□□□4L: from -40°C to +60°C

S0212-□□□0H: from -55°C to +55°C

S0212-□□□1H: from -55°C to +60°C

S0212-□□□3H: from -55°C to +60°C

S0212-□□□4H: from -55°C to +60°C

2. Rated service temperature range

S0212-□□□□L: from -40°C to +90°C

S0212-□□□□H: from -55°C to +90°C

3. The flameproof joints are not intended to be repaired.

4. For S0212 with type of protection "ia", the appropriate intrinsically safe associated apparatus shall be provided during the installation. Under the ambient temperature +55°C, the temperature class of S0212 with "ia" is T4.

