



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

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

Certificate No.: **IECEx FMG 16.0040X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2020-06-03

Applicant: **Fenwal Controls of Japan, Ltd.**
232, Tobukicho, Hachioji-shi
Tokyo
192-0001
Japan

Equipment: **Photoelectric Smoke Detectors**

Optional accessory:

Type of Protection: **Flameproof, Ex db**

Marking: Ex db IIB T6 Gb (FLS-02EC)
Ex db IIB+H2 T6 Gb (FLS-02EC-H2)

Approved for issue on behalf of the IECEx
Certification Body:

J. E. Marquedant

Position:

VP, Manager - Electrical Systems

Signature:
(for printed version)

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 www.iecex.com or use of this QR Code.



Certificate issued by:

FM Approvals LLC
1151 Boston-Providence Turnpike
Norwood, MA 02062
United States of America





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Page 2 of 3

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Manufacturer: **Fenwal Controls of Japan, Ltd.**
232, Tobukicho, Hachioji-shi
Tokyo 192-0001
Japan

Additional
manufacturing
locations:

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 equipment 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 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-1:2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

This Certificate **does not** indicate compliance with 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:

[US/FMG/ExTR16.0047/00](#)

Quality Assessment Report:

[GB/FME/QAR20.0006/00](#)



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Page 3 of 3

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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Ex db IIB T6 Gb (FLS-02EC)

Ex db IIB+H2 T6 Gb (FLS-02EC-H2)

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The FLS-02EC and FLS-02EC-H2 include flameproof joints, consult Fenwal Controls of Japan, Ltd. if repair of the flameproof joints is necessary.
2. Consult with Fenwal Controls of Japan, Ltd. for genuine replacement cover fasteners: M6X20 hexagon bolts of A2-70 strength class SUS304 stainless steel or better are acceptable alternatives.