



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 FMG 19.0007X

Issue No: 0

Certificate history:

[Issue No. 0 \(2019-03-27\)](#)

Status: **Current**

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Date of Issue: **2019-03-27**

Applicant: **International Metal Engineering Pte Ltd**

Blk 13, Toa Payoh Lorong 8

#06-05 Braddell Tech Park

319261

Singapore

Equipment: **7080RRV Process Indicator; 5080 Series Terminal Assembly**

Optional accessory:

Type of Protection: **Flameproof, "d" and Enclosure, "t"**

Marking:

Ex db IIC T6 Gb Ta = -40°C to +75°C, IP68

Ex tb IIIC T85°C Db Ta = -40°C to +75°C, IP68

*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 the [Official IECEx Website](#).

Certificate issued by:

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





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Manufacturer: **International Metal Engineering Pte Ltd**
Blk 13, Toa Payoh Lorong 8
#06-05 Braddell Tech Park
319261
Singapore

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 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 : 2017 Edition:7.0 | Explosive atmospheres - Part 0: Equipment - General requirements |
| IEC 60079-1 : 2014-06 Edition:7.0 | Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d" |
| IEC 60079-31 : 2013 Edition:2 | Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t" |

*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:

[US/FMG/ExTR19.0007/00](#)

Quality Assessment Report:

[GB/SIR/QAR07.0040/07](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

7080RRV-a-b. Process Indicator.

a = Entries description 00, 01, 02, 03 or 04.

b = Conduit entry 05, 07, 18, 22 or 25.

5080a-b-c-d-e. Terminal Assembly.

a = Model AM, SM, TM or WM.

b = Conduit size 01 or 02.

c = Entries description 00, 01, 02, 03 or 04.

d = Conduit entry 05, 07, 18, 22, 25 or 26.

e = Number of terminals 02, 03, 04 or 06.

SPECIFIC CONDITIONS OF USE: YES as shown below:

7080RRV Process Indicator:

1. Follow the manufacturer's instructions to reduce the potential of an electrostatic charging hazard on the surface of the enclosure.
2. The flameproof joints are not intended to be repaired.

5080 Series Terminal Assembly:

1. Voltage and current supplied to the device shall not exceed 250 V, 20 A.
2. Follow the manufacturer's instructions to reduce the potential of an electrostatic charging hazard on the surface of the enclosure.
3. The flameproof joints are not intended to be repaired.