



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 SIR 07.0082X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 1 Issue 0 (2008-09-03)
Date of Issue: 2022-03-22
Applicant: **International Metal Engineering PTE Limited**
Blk 13
Toa Payoh Lorong 8
06-05 Braddell Tech Park
319261
Singapore
Equipment: **Ranges of Stopping plugs**
Optional accessory:
Type of Protection: **Flameproof and Increased Safety and Dust**
Marking: **Stainless Steel & Brass**
Ex db I Mb or
Ex db IIC T6 Gb or
Ex eb I Mb or
Ex eb IIC T6 Gb
Ex tb IIIC T100°C Db IP6X
Ta = -50°C to +85°C
Aluminium
Ex db IIC T6 Gb or
Ex eb IIC T6 Gb
Ex tb IIIC T85°C Db IP6X
Ta = -50°C to +85°C

Approved for issue on behalf of the IECEx
Certification Body:

Michelle Halliwell

Position:

Director Operations, UK & Industrial Europe

Signature:
(for printed version)

Date:
(for printed version)

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:

CSA Group Testing UK Ltd
Unit 6, Hawarden Industrial Park
Hawarden, Deeside CH5 3US
United Kingdom





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Issue No: 1

Manufacturer: **International Metal Engineering PTE Limited**
Blk 13
Toa Payoh Lorong 8
06-05 Braddell Tech Park
319261
Singapore

Manufacturing locations: **International Metal Engineering PTE Limited**
Blk 13
Toa Payoh Lorong 8
06-05 Braddell Tech Park
319261
Singapore

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 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-1:2014-06](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

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 Reports:

[GB/CSAE/ExTR22.0057/00](#)

[GB/SIR/ExTR08.0100/00](#)

Quality Assessment Report:

[GB/SIR/QAR07.0040/09](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Stopping Plugs are used to fill unused threaded cable entries in associated apparatus without compromising the type of protection of the associated equipment. They comprise a metallic cylindrical threaded body at one end with a male thread and either a hexagonal head form for securing to associated enclosures, or one of the alternative head forms tabulated below having an additional feature for securing. Some metric threaded designs may also be fitted with a nitrile 'O' ring interface seal for better ingress protection. See table below. NPT threaded Stopping Plugs and Types 88- and 89- Stopping Plugs requiring the application of non-setting (solvent free) thread sealant.

Material of manufacture:

The part model code "X" is replaced with the following number to indicate the material of manufacture:

T = Stainless steel grade 316

A = Aluminium grade 6082-T6 (Not certified for Group I use)

R = Brass grade CuZn40

Thread forms

The stopping plugs are machined with one of the following thread forms complying with the requirements of IEC 60079-1, Tables 3 or 4 and clause C.2.2 (as applicable).

- ISO Metric to IEC 9065 PARTS 1 & 3 (6g fit)
- NPT to ANSI/ASME B1.20.1

Surface coating

The aluminium products are supplied anodized

Refer to the Annexe for Design Options

SPECIFIC CONDITIONS OF USE: YES as shown below:

Refer to the Annexe



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

This issue, Issue 1, recognises the following changes; refer to the certificate annex to view a comprehensive history:

1. Following appropriate assessment to demonstrate compliance with the latest technical knowledge, the following standards upgrades have been considered: IEC 60079-0:2004 Edition 4.0 is replaced by IEC 60079-0:2017 Edition 7.0, respectively; IEC 60079-1:2007 Edition 6.0 (typographical error on certificate, which states IEC 60079-1:2001 Edition 4.0) is replaced by IEC 60079-1:2014 Edition 7.0, respectively; IEC 60079-7:2006 Edition 4.0 is replaced by IEC 60079-7:2015 Edition 5.1, respectively; IEC 61241-0:2004 Edition 1.0 & IEC 61241-1:2004 Edition 1.0 is replaced by and IEC 60079-31:2013 Edition 2.0, respectively. The marking is amended accordingly
2. IP68 changed to IP6X on all drawings to match the certificate.
3. Administrative changes to manufacturers documents that do not relate to the IECEx certification.

Annex:

[IECEX SIR 07.0082X Issue 1 Annexe.pdf](#)