



1. EU-TYPE EXAMINATION CERTIFICATE

2. Equipment or Protective systems intended for use in Potentially Explosive Atmospheres - Directive 2014/34/EU

3. EU-Type Examination Certificate No: FM19ATEX0171X

4. Equipment or protective system:
(Type Reference and Name) 5080 Series Terminal Assembly

5. Name of Applicant: International Metal Engineering Pte Ltd

6. Address of Applicant BLK 13 Toa Payoh Lorong 8, #06-05 Braddell Tech Park, Singapore 319261

7. This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and documents therein referred to.

8. FM Approvals Europe Ltd, notified body number 2809 in accordance with Article 17 of Directive 2014/34/EU of 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report number:

PR450889 dated 27th March 2019

9. Compliance with the Essential Health and Safety Requirements, with the exception of those identified in item 15 of the schedule to this certificate, has been assessed by compliance with the following documents:

EN IEC 60079-0:2018, EN 60079-1:2014, EN 60079-31:2014, EN 60529:1991+A1:2000+A2:2013

10. If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.

11. This EU-Type Examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12. The marking of the equipment or protective system shall include:



II 2 G Ex db IIC T6 Gb Ta = -40°C to +75°C

II 2 D Ex tb IIIC T85°C Db Ta = -40°C to +75°C

Certificate issued by:

FM Approvals

1 March 2025

Certification Manager, FM Approvals Europe Ltd.

Date

THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE

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SCHEDULE

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13. Description of Equipment or Protective System:

The 5080 Series Terminal Assembly is an ATEX certified 6080 Series Instrument Enclosure with two to six terminals mounted inside. The ATEX certified terminals can be either Model MUT 2.5 manufactured by Phoenix Contact or Model AKZ 2.5 manufactured by Weidmuller Interface. The 5080 Series is rated for 250 V, 20A. The enclosure has an ingress protection rating of IP68.

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.

14. Specific Conditions of Use:

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.

15. Essential Health and Safety Requirements:

The relevant EHSRs that have not been addressed by the standards listed in this certificate have been identified and assessed in the confidential report identified in item 8.

16. Test and Assessment Procedure and Conditions:

This EU-Type Examination Certificate is the result of testing of a sample of the product submitted, in accordance with the provisions of the relevant specific standard(s), and assessment of supporting documentation. It does not imply an assessment of the whole production.

Whilst this certificate may be used in support of a manufacturer's claim for CE Marking, FM Approvals Europe Ltd accepts no responsibility for the compliance of the equipment against all applicable Directives in all applications.

This Certificate has been issued in accordance with FM Approvals Europe Ltd's ATEX Certification Scheme.

17. Schedule Drawings

A list of the significant parts of the technical documentation is annexed to this certificate and a copy has been kept by the Notified Body.

18. Certificate History

Details of the supplements to this certificate are described below:

Date	Description
2 May 2019	Original Issue.

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SCHEDULE

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FM Approvals

Date	Description
1 March 2025	<u>Supplement 1:</u> Report Reference: RR245064 dated 28 February 2025. Description of the Change(s): Documentation changes to update Phoenix Contact terminal part number due to obsolescence of the original part. Changes do not affect the equipment safety.

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