UNITED KINGDOM CONFORMITY ASSESSMENT

1 **UKCA UK TYPE EXAMINATION CERTIFICATE**

2 Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
UKSI 2016:1107 (as amended) – Schedule 3A, Part 1

3 Certificate Number: **CSAE 22UKEX1184X** Issue: **0**

4 Product: **5092 Range of Junction Boxes and 6092 Range of Instrument Enclosures**

5 Manufacturer: **International Metal Engineering Pte Limited**

6 Address: Blk 13
Toa Payoh Lorong 8
#06-05 Braddell Tech Park
Singapore
319261

7 This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 CSA Group Testing UK Limited, Approved Body number 0518, in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations. The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0: 2018 EN 60079-1: 2014 EN 60079-31: 2014

Except in respect of those requirements listed at Section 16 of the schedule to this certificate. The above standards may not appear on the UKAS Scope of Accreditation, but have been added through flexible scope of accreditation, which is available on request.

10 If the sign 'X' is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Use identified in the schedule to this certificate.

11 This UK TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of this product shall be in accordance with Regulation 41 and include the following:

II 2GD
Ex db IIC T6 Gb
Ex tb IIIC T85°C Db
Ta = -40°C to +70°C

Name: M Halliwell
Title: Director of Operations

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SCHEDULE

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13 **DESCRIPTION OF PRODUCT**

The 5092 and 6092 series are cylindrical single compartment enclosures with a maximum internal volume of 610 cm³. They comprise a base and threaded cover, are manufactured from stainless steel or cast aluminium and may have an epoxy paint coating. The cover can be blind or may contain a circular tempered glass window. Each enclosure has a number of conduit openings and sizes, as detailed in the tables below. The enclosures are populated with either up to 2 PCBs or 10 x UK3N Phoenix Contact terminals. The maximum power dissipation within the enclosures is 7.5 W.

The part numbers are configured as follows:

IME Part no.: 6092	Code	Enclosure type
	W	Aluminium enclosure with epoxy finish, window
	A	Aluminium enclosure with epoxy finish, blind
	S	Stainless steel enclosure with window
	T	Stainless steel enclosure with blind cover

Code	Label type
T	ATEX, IECEx & UKCA certified
M	ATEX, IECEx & UKCA certified

Code	Entry position T1	Entry position T2
-04	½" NPT	¾" NPT
-05	½" NPT	½" NPT
-06	½" NPT	M20 x 1.5
-07	¾" NPT	¾" NPT
-08	¾" NPT	½" NPT
-09	¾" NPT	M20 x 1.5
-13	¾" NPT	None
-14	M20 x 1.5	None
-17	½" NPT	None
-18	None	None
-19	None	¾" NPT
-20	None	½" NPT
-21	None	M20 x 1.5
-22	M20 x 1.5	M20 x 1.5

A typical reference would be 6092WT-04

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SCHEDULE

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IME Part no. 5092	Code	Enclosure type
	W	Aluminium enclosure with epoxy finish, window
	A	Aluminium enclosure with epoxy finish, blind
	C	Aluminium enclosure with cast finish, window
	N	Aluminium enclosure with cast finish, blind
	S	Stainless steel enclosure with window
	T	Stainless steel enclosure with blind cover

Code	Label type
T	ATEX, IECEx & UKCA certified
M	ATEX, IECEx & UKCA certified

Code	Entry configuration
-00	1 entry, position T3
-01	2 entries at 180°, position T3 & T4
-02	2 entries at 90°, position T1 & T3
-03	3 entries, positions T1, T3 & T4
-04	4 entries

Code	Entry size
-05	½" NPT
-07	¾" NPT
-18	None
-22	M20 x 1.5
-24	T1 & T3: ¾" NPT T2 & T4: M20 x 1.5
-25	M25 x 1.5

A typical reference would be 5092WT-00-05

The enclosures meet the requirements of IP 66.

14 **DESCRIPTIVE DOCUMENTS**

14.1 **Drawings**

Refer to Certificate Annexe.

14.2 **Associated Reports and Certificate History**

Issue	Date	Report number	Comment
0	29 July 2022	R80126774A	The release of the prime certificate.

15 **SPECIFIC CONDITIONS OF USE** (denoted by X after the certificate number)

15.1 External thread types other than metric or NPT are not permitted as an option for cable glands in field wiring installations.

15.2 Warning: Potential electrostatic charging hazard – see instructions.

16 **ESSENTIAL HEALTH AND SAFETY REQUIREMENTS (REGULATIONS SCHEDULE 1)**

In addition to the Essential Health and Safety Requirements covered by the standards listed in Section 9, all other requirements are demonstrated in the relevant reports.

SCHEDULE

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17 **PRODUCTION CONTROL**

17.1 Holders of this certificate are required to comply with production control requirements defined in Schedule 3A, as applicable, and CSA Group Testing UK Regulations for Certificate Holders

17.2 The equipment covered by this certificate incorporates previously certified devices; it is, therefore, the responsibility of the manufacturer to continually monitor the status of the certification associated with these devices, and the manufacturer shall inform CSA Group Testing UK Ltd of any modifications of the devices that may impinge upon the explosion safety design of the equipment.

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