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 SIR 10.0091X issue No.:0

Certificate history:

Status: **Current**

Date of Issue: **2010-08-05** Page 1 of 3

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

Electrical Apparatus: **5117 Range of Junction Boxes**
Optional accessory:

Type of Protection: **Flameproof and Dust**

Marking: **Ex d IIC T6 Gb**
Ex tb IIIC T85°C Db IP68
(Ta-40°C to +75°C)

Approved for issue on behalf of the IECEx Certification Body: C Ellaby

Position: Certification Officer

Signature:
(for printed version)

Date: 2010-08-05

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:

SIRA Certification Service
Rake Lane
Eccleston
Chester
CH4 9JN
United Kingdom

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

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 electrical 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 : 2007-10 Edition: 5	Explosive atmospheres - Part 0:Equipment - General requirements
IEC 60079-1 : 2007-04 Edition: 6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-30-1 : 2007-01 Edition: 1	Explosive atmospheres - Part 30-1: Electrical resistance trace heating - General and testing requirements

*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:

GB/SIR/ExTR10.0155/00

Quality Assessment Report:
GB/SIR/QAR07.0040/01

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Schedule

EQUIPMENT:
Equipment and systems covered by this certificate are as follows:

The 5117 range of Junction Boxes utilise the 7117 series of empty enclosures, certificate number IECEx SIR 09.0118U populated with up to 12 Phoenix Contact UK3N terminals, each Junction Box may have up to four conduit openings with entry sizes selected from ½" NPT, ¾" NPT, 1" NPT, ½" BSP, M20 x 1.5 or M25 x 1.5. The range is defined below:

Reference	Material of construction	Option
5117 ST	Stainless steel	Window cover
5117 SM	Stainless steel	Window cover
5117 TT	Stainless steel	Blind cover
5117 TM	Stainless steel	Blind cover
5117 WT	Aluminium, epoxy coated	Window cover
5117 WM	Aluminium, epoxy coated	Window cover
5117 AT	Aluminium, epoxy coated	Blind cover
5117 AM	Aluminium, epoxy coated	Blind cover

CONDITIONS OF CERTIFICATION: YES as shown below:

1 The power dissipation within the junction box shall be limited to a maximum of 3.5 W.