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 10.0075 issue No.:0

Certificate history:

Status: **Current**

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

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

Electrical Apparatus: **5092 Range of Junction Boxes and 6092 Range of Instrument Enclosures**
Optional accessory:

Type of Protection: **Flameproof and Dust**

Marking: **Ex d IIC T6**
Ex tD A21 T85°C IP66
(Ta = -40°C to +70°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

sira CERTIFICATION

IECEx Certificate of Conformity

Certificate No.: IECEx SIR 10.0075

Date of Issue: **2010-08-05** Issue No.: **0**

Manufacturer: **International Metal Engineering PTE Limited**
Blk 13
Toa Payoh Lorong 8
06-05 Braddell Tech Park
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 : 2004 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-1 : 2007-04 Edition: 6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 61241-0 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
IEC 61241-1 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

*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/ExTR10.0173/00

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 5092 and 6092 series are cylindrical single compartment enclosures with a maximum internal volume of 610 cm^3. They comprise a base and threaded cover, are manufactured from stainless steel or cast aluminium that 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. 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 number breakdown and the product configurations are detailed in the certificate Annexe.

CONDITIONS OF CERTIFICATION: NO

Annexe: IECEx SIR 10.0075_Iss0 Annexe.pdf

Annexe to: **IECEx SIR 10.0075** **Issue 0**

Applicant: **International Metal Engineering PTE Limited**

Apparatus: **5092 Range of Junction Boxes and 6092 Range of Instrument Enclosures**

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 certified
M	ATEX & IECEx 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
-10	½" BSP	¾"NPT
-11	½" BSP	½" NPT
-12	½" BSP	M20 x 1.5
-13	¾"NPT	None
-14	M20 x 1.5	None
-16	½" BSP	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

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 certified
M	ATEX & IECEx 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
-23	½" BSP
-24	T1 & T3: ¾" NPT T2 & T4: M20 x 1.5
-25	M25 x 1.5

A typical reference would be 5092WT-00-05

Date: 29 July 2010

Sira Certification Service
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