



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 14.0118X** issue No.:0 Certificate history:.....

Status: **Current**

Date of Issue: **2015-02-24** Page 1 of 3

Applicant: **FCG Flameproof Control Gears Pvt. Ltd**
A1/53, Shah & Nahar Industrial Estate
Sitaram Jadhav Road
Lower Parel (W)
Mumbai-400013
India

Electrical Apparatus: **Junction Box, Model: IJ 63080**
Optional accessory:


Type of Protection: **Flameproof, Increased Safety and Dust Protection by Enclosure**

Marking: **Ex d IIC T6 Gb** or **Ex e IIC T5 Gb**
Ex tb IIIC 85°C Db **Ex tb IIIC 85°C Db**
Ta = -50°C to +60°C **Ta = -50°C to +60°C**

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

Position: **Deputy Certification Manager**

Signature:
(for printed version)



2015-02-24

Date:

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](http://www.iecex.com).

Certificate issued by:

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

sira
CERTIFICATION





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Manufacturer: **FCG Flameproof Control Gears Pvt. Ltd**
Plot No. 40-43, Premier Industrial Estate
Kachigam
Daman (U.T) - 396210
India

Additional 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 : 2011 Edition: 6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2007-04 Edition: 6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2013 Edition: 2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-7 : 2006-07 Edition: 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*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/ExTR15.0064/00](#)

Quality Assessment Report:

[GB/ITS/QAR14.0020/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Model IJ 63080 Junction Box is a cylindrical, single compartment enclosure comprising a base and cover with an internal volume of 300 cm³. It is manufactured from stainless steel, cast iron or cast aluminium alloy with an epoxy paint finish, and is available with up to four, ½" NPT or M20 conduit openings. A 6-way, Phoenix Contact terminal block type G 5/6-EX, rated 300 V/30 A (certificate no. IECEx PTB 06.0043U) is installed inside the enclosure. The enclosure cover is sealed with an O-ring gasket which, when installed in accordance with IEC 60529, will provide an Ingress Protection (IP) rating of IP66.

CONDITIONS OF CERTIFICATION: YES as shown below:

1. It is the user's responsibility to ensure that the earth continuity of the equipment is maintained via the mounting arrangement.
2. Due to epoxy resin applied to the enclosure for corrosion protection, there is a potential to store an ignition capable charge and therefore care must be taken during maintenance and cleaning to prevent this creating a dangerous situation. Refer to the installation instructions and marking for further information, which indicate to clean only with a damp cloth.