



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 12.0107 issue No.:1

Status: Current

Certificate history:
Issue No. 1 (2014-8-1)
Issue No. 0 (2013-4-29)

Date of Issue: 2014-08-01 Page 1 of 5

Applicant: **Killark, A Div. of Hubbell Inc. (Delaware)**
3940 Martin Luther King Drive
St. Louis
Missouri
63113
United States of America

Electrical Apparatus: **GEB Junction Boxes**
Optional accessory:

Type of Protection: **Flameproof and Dust**

Marking: Ex d IIC T* Gb
Ex t IIIC T**°C Db
Ta = -40°C to +***°C

Refer to Equipment for ,T*, T**, Cable entry, Ambient Range ***.

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

Position: Certification Manager

Signature:
(for printed version)

Date:

2014-08-01

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: **Killark, A Div. of Hubbell Inc. (Delaware)**
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St. Louis
Missouri
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United States of America

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 : 2008 Edition: 1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'

*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/ExTR13.0085/01](#)

Quality Assessment Report:

[US/UL/QAR07.0004/04](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Marking (continued)

Power (W)	Ambient, Ta & Cable entry			
	T6/T85°C	T5/T100°C	T4/T135°C	T3/T200°C
20	Ta 48°C Cable entry; 79°C	Ta 63°C Cable entry; 94°C	Ta 98°C Cable entry; 129°C	Ta 163°C Cable entry; 194°C
30	N/A	Ta 50°C Cable entry; 92°C	Ta 85°C Cable entry; 127°C	Ta 150°C Cable entry; 191°C
40	N/A	Ta 38°C Cable entry; 91°C	Ta 73°C Cable entry; 126°C	Ta 138°C Cable entry; 190°C

Refer to EQUIPMENT (continued) for equipment description.

CONDITIONS OF CERTIFICATION: NO



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EQUIPMENT(continued):

The GEB Junction Boxes utilise the GEB Enclosure, certified under IECEx SIR 12.0106U which is constructed from cast aluminium alloy and comprises a cylindrical base and threaded cover assembly, secured via a set screw. The GEB range of enclosures have up to five conduit openings, in entry sizes detailed as follows:

Entry size	
NPT	Metric
1/2"-14	M20x1.5
3/4"-14	M25x1.5
1"-11 1/2	M32x1.5
1-1/4"-11 1/2	M40x1.5
1-1/2"-11 1/2	M50x1.5

The GEB Junction Boxes are fitted with terminal blocks and have a minimum internal free volume of 190 cm³ when populated.

Suitably certified Ex d IIC Gb/Ex t IIIC Db (minimum) entry devices suitable for an ambient temperature range as marked, may be fitted.

Internal earth facilities and external earth bonding is via internal/external screw and split lock washer assemblies.

The GEB Junction Boxes have an IP 66 ingress protection rating in accordance with IEC 60529



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 1 – this Issue introduced the following changes:

1.	Issued to allow GB/SIR/ExTR13.0085/01 to replace GB/SIR/ExTR13.0085/00
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