



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

Certificate No.:  issue No.:  Certificate history:

Status:

Date of Issue:  Page 1 of 3

Applicant: **BEKA associates Ltd.**  
Old Charlton Road  
Hitchin SG5 2DA  
United Kingdom

Electrical Apparatus: **'G' Field Enclosure**  
Optional accessory:

Type of Protection: **Increased Safety 'e', Type of Protection 'n', Dust Ignition Protection by Enclosure 't'**

Marking: IECEX ITS 14.0063U  
BEKA associates Ltd.  
Ex e IIC Gb  
Ex nA IIC Gc  
Ex ta IIC Da IP66  
 $-40^{\circ}\text{C} \leq T_a \leq +70^{\circ}\text{C}$

Approved for issue on behalf of the IECEx  
Certification Body:

A M Smart

Position:

Certification Officer

Signature:  
(for printed version)

Date:

2014-11-25

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:

**Intertek Testing & Certification Limited**  
ITS House, Cleeve Road,  
Leatherhead,  
Surrey, KT22 7SB  
United Kingdom



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Issue No.: 0

Page 2 of 3

Manufacturer: **BEKA associates Ltd.**  
Old Charlton Road  
Hitchin SG5 2DA  
United Kingdom

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:

<b>IEC 60079-0 : 2011</b> Edition: 6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-15 : 2010</b> Edition: 4	Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
<b>IEC 60079-31 : 2013</b> Edition: 2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
<b>IEC 60079-7 : 2006-07</b> 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/ITS/ExTR14.0061/00](#)

Quality Assessment Report:

[GB/ITS/QAR06.0002/03](#)



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Certificate No.: IECEx ITS 14.0063U

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Page 3 of 3

## Schedule

### EQUIPMENT:

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

The BEKA associates Ltd. type 'G' Field Enclosure is an empty enclosure made of 6mm thick non-metallic GRP material with 8mm thick toughened glass window and four push-buttons fitted in the lid part of the enclosure. Enclosure is of rectangular shape with dimensions of approximately 120mm x 115mm x 85mm. Enclosure lid is fastened to the base with four stainless steel screws located in the corners. There are maximum of two entries within enclosure with nominal diameter of up to 20mm which may be threaded. Four push-buttons are located next to the glass window and they are protected by silicon rubber. Enclosure material has a surface resistance of less than  $10^8 \Omega$  at 50% RH therefore does not create electrostatic discharge hazard. There is no provision for earthing provided.

### Schedule of Limitations

Maximum service temperature range for the enclosures is  $-40^\circ\text{C} \leq T_a \leq +70^\circ\text{C}$ .

Enclosure provides minimum degree of protection of IP66. All blanking plugs and cable entry devices must be approved for specific installation area and maintain adequate degree of protection by enclosures.

Addition of any electrical or mechanical components within enclosure must be re-evaluated by recognized Certification Body.

CONDITIONS OF CERTIFICATION: NO