



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

EX COMPONENT CERTIFICATE

Certificate No.: IECEx CML 18.0071U Issue No: 0 Certificate history:
Issue No. 0 (2018-06-08)

Status: **Current** Page 1 of 3

Date of Issue: **2018-06-08**

Applicant: **BEKA associates**
Old Charlton Road, Hitchin, Hertfordshire, SG5 2DA
United Kingdom

Ex Component: **Stainless-Steel G Series Enclosure**

This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).

Type of Protection: **Increased Safety "eb/ec", Pressurized "pxb/pyb/pzc", Dust Ignition "ta"**

Marking:

Ex eb IIC Gb
Ex ec IIC Gc
Ex pxb IIC Gb
Ex pyb IIC Gb
Ex pzc IIC Gc
Ex ta IIIC Da

Ta: -40°C to +80°C

Approved for issue on behalf of the IECEx
Certification Body:

A C Smith

Position:

Technical Operations Director

Signature:
(for printed version)

Date:

2018-06-08

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:

Certification Management Limited
Unit 1, Newport Business Park
New Port Road
Ellesmere Port, CH65 4LZ
United Kingdom





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Date of Issue: 2018-06-08 Page 2 of 3
Manufacturer: **BEKA associates**
Old Charlton Road, Hitchin, Hertfordshire, 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 Component 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 Ex Component 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 : 2017 Edition:7.0 | Explosive atmospheres - Part 0: Equipment - General requirements |
| IEC 60079-2 : 2014-07 Edition:6 | Explosive atmospheres - Part 2: Equipment protection by pressurized enclosure "p" |
| IEC 60079-31 : 2013 Edition:2 | Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t" |
| IEC 60079-7 : 2015 Edition:5.0 | 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 Ex Component listed has successfully met the examination and test requirements as recorded in

Test Report:

[GB/CML/ExTR18.0096/00](#)

Quality Assessment Report:

[GB/ITS/QAR06.0002/06](#)



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Schedule

Ex Component(s) covered by this certificate is described below:

The Stainless-Steel G Series Enclosures consist of a metallic enclosure fitted with a toughened glass window and a silicone rubber front panel keypad. The enclosures incorporate the use of silicone adhesives and gaskets. They include entries for fitting suitably dimensioned and separately certified entry devices.

Refer to Annex for full description, Conditions of Manufacture and Schedule of Limitations.

SCHEDULE OF LIMITATIONS:

Refer to Annex for full description, Conditions of Manufacture and Schedule of Limitations.

Annex:

[IECEX CML 18.0071U Iss. 0 Certificate Annex.pdf](#)

Annexe to: IECEx CML 18.0071U Issue 0
Applicant: BEKA associates
Apparatus: Stainless-Steel G Series Enclosure



Product Description

The Stainless-Steel G Series Enclosures consist of a metallic enclosure fitted with a toughened glass window and a silicone rubber front panel keypad. The enclosures incorporate the use of silicone adhesives and gaskets. They include entries for fitting suitably dimensioned and separately certified entry devices.

The enclosures can be installed in three different ways; as a standalone enclosure, as a panel mount with only the front of the enclosure used, and as a panel mount using both the front and back of the enclosure used.

Conditions of Manufacture

The following are conditions of manufacture:

- i. When the enclosures incorporate plain entries, the entry size shall be no more than 0.7 mm greater than the separately certified entry device it is intended to be used with.
- ii. When the enclosures incorporate threaded entries, the entries must comply with the requirements of IEC 60079-31 clause 5.3.2.

Schedule of Limitations

The following is the schedule of limitations:

- i. The component enclosures have an operating temperature range of -40°C to +80°C and shall not be used outside of this range.
- ii. The component enclosures shall be used with suitably dimensioned and appropriately certified entry devices with a Level of Protection of IP66.

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