



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEX SIR 09.0121X** Page 1 of 4 Certificate history:  
Status: **Current** Issue No: 6 Issue 5 (2020-01-06)  
Date of Issue: 2020-08-14 Issue 4 (2017-11-17)  
Issue 3 (2016-06-17)  
Issue 2 (2012-02-24)  
Issue 1 (2011-12-23)  
Issue 0 (2009-12-11)  
Applicant: **European Safety Systems Limited**  
Impress House, Mansell Road  
Acton, London W3 7QH  
**United Kingdom**  
Equipment: **BExCP3A, BExCP3B, BExCP3C, BExCP3D, BExCP3E, GNExCP6A, GNExCP6B, GNExCP6C, GNExCP6D and GNExCP6E Manual Call Points**  
Optional accessory:  
Type of Protection: **Increased safety, flameproof, encapsulation and dust**  
Marking: BExCP3A and GNExCP6A Call Points:  
Ex db eb IIC T6 Gb Ta = (-40°C +70°C)  
Ex tb III C T75°C Db Ta = (-40°C +70°C)  
Refer to the Annexe for Additional Models

Approved for issue on behalf of the IECEx  
Certification Body:

**Neil Jones**

Position:

**Certification Manager**

Signature:  
(for printed version)

Date:

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**United Kingdom**





# IECEX Certificate of Conformity

Certificate No.: **IECEX SIR 09.0121X**

Page 2 of 4

Date of issue: 2020-08-14

Issue No: 6

Manufacturer: **European Safety Systems Limited**  
Impress House  
Mansell Road  
Acton  
London W3 7QH  
**United Kingdom**

Additional  
manufacturing  
locations:

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 equipment 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** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

**IEC 60079-1:2014-06** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:7.0

**IEC 60079-18:2017** Explosive atmospheres - Part 18: Protection by encapsulation "m"  
Edition:4.1

**IEC 60079-31:2013** Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:2

**IEC 60079-7:2017** Explosive atmospheres - Part 7: Equipment protection by increased safety "e"  
Edition:5.1

This Certificate **does not** indicate compliance with 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 Reports:

[GB/SIR/ExTR09.0195/00](#)  
[GB/SIR/ExTR16.0151/00](#)  
[GB/SIR/ExTR20.0143/00](#)

[GB/SIR/ExTR11.0326/00](#)  
[GB/SIR/ExTR17.0236/00](#)

[GB/SIR/ExTR11.0326/01](#)  
[GB/SIR/ExTR19.0331/00](#)

Quality Assessment Report:

[GB/SIR/QAR06.0020/08](#)



# IECEx Certificate of Conformity

Certificate No.: **IECEx SIR 09.0121X**

Page 3 of 4

Date of issue: 2020-08-14

Issue No: 6

## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The Manual Call Points are fully described in the Annexe to this certificate.

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

1. The terminals shall be fitted only with wires that have cross-sectional area falling within the following limitations::

BExCP3A and GNExCP6A Call Points fitted with Weidmüller terminal; 0.5 mm<sup>2</sup> to 4 mm<sup>2</sup>

BExCP3A and GNExCP6A Call Points fitted with Phoenix terminal; 0.2 mm<sup>2</sup> to 4 mm<sup>2</sup>

GNExCP6A Call Point fitted with Weidmüller rail mounted terminals; 0.5 mm<sup>2</sup> to 2.5 mm<sup>2</sup>

BExCP3B and GNExCP6B Call Points fitted with Weidmüller terminal; 0.5 mm<sup>2</sup> to 4 mm<sup>2</sup>

BExCP3B and GNExCP6B Call Points fitted with Phoenix terminal 0.2 mm<sup>2</sup> to 4 mm<sup>2</sup>

BExCP3B and GNExCP6B Call Points fitted with Weidmüller rail mounted terminals; 0.5 mm<sup>2</sup> to 2.5 mm<sup>2</sup>

BExCP3C and GNExCP6C Call Points fitted with Weidmüller terminal; 0.5mm<sup>2</sup> to 4mm<sup>2</sup>

BExCP3C and GNExCP6C Call Points fitted with Phoenix terminal; 0.2mm<sup>2</sup> to 4mm<sup>2</sup>

BExCP3C and GNExCP6C Call Points fitted with Weidmüller rail mounted terminals; 0.5mm<sup>2</sup> to 2.5mm<sup>2</sup>

BExCP3D and GNExCP6D Call Points fitted with Weidmüller terminal; 0.5mm<sup>2</sup> to 4mm<sup>2</sup>

BExCP3D and GNExCP6D Call Points fitted with Phoenix terminal; 0.2mm<sup>2</sup> to 4mm<sup>2</sup>

BExCP3D and GNExCP6D Call Points fitted with Weidmüller rail mounted terminals; 0.5mm<sup>2</sup> to 2.5mm<sup>2</sup>

BExCP3E and GNExCP6E Call Points fitted with Weidmüller terminal; 0.5mm<sup>2</sup> to 4mm<sup>2</sup>

BExCP3E and GNExCP6E Call Points fitted with Phoenix terminal; 0.2mm<sup>2</sup> to 4mm<sup>2</sup>

BExCP3E and GNExCP6E Call Points fitted with Weidmüller rail mounted terminals; 0.5mm<sup>2</sup> to 2.5mm<sup>2</sup>

Refer to the Annexe for Conditions 2, 3, 4 5, 6 and 7.



# IECEx Certificate of Conformity

Certificate No.: **IECEx SIR 09.0121X**

Page 4 of 4

Date of issue: 2020-08-14

Issue No: 6

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

**This issue, Issue 6, recognises the following changes; refer to the certificate annex to view a comprehensive history:**

1. Clarification of the product coding and marking:
  - a. Types of protection placed in alphabetical order in the labels;
  - b. Correction of amperage associated with 30Vdc rating for the BExCP3A and GNECP6A Call Points in the certificates from the previous variation
2. Permit the following modifications after performing temperature measurement tests (where necessary) as part of this variation:
  - a. Recognise the existing BExCP3C and GNECP6C call points variants with new BExCP3E and GNECP6E variants, with the contents remaining unchanged;
  - b. Recognise a new variant, as the new BExCP3C and GNECP6C call point, the same contents of the previous BExCP3C/ GNECP6C variant, with the exception of introducing a LED to the contents (GNECP6C only) and limiting the resistor modules and the LED/resistor to 1.5W;
  - c. Modification to the permitted maximum input voltage and corresponding resistance values for the applicable variants;
  - d. Permit the use of a 125VDC and 250VDC maximum voltage options for the micro-switch in the BExCP3A and GNECP6A variants;
  - e. Correction of a typographical error, to represent the optional resistor/diode as R2/D2, instead of R1/D1, which is already used in the circuit diagram;
  - f. Permit modification of the LED resistances and the corresponding maximum input voltages for the GNECP6B and GNECP6C variants.
  - g. The description was modified to reflect these changes.

## Annex:

[IECEx SIR 09.0121X Annexe Issue 6.pdf](#)

**Annexe to:** IECEx SIR 09.0121X Issue 6  
**Applicant:** European Safety Systems Limited  
**Apparatus:** BExCP3A, BExCP3B, BExCP3C, BExCP3D,  
BExCP3E, GNEExCP6A, GNEExCP6B  
GNEExCP6C, GNEExCP6D and GNEExCP6E  
Manual Call Points

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The Full range of models and their marking are shown below:

**BExCP3A Call Points:**

Ex db eb IIC T6 Gb Ta = (-40°C +70°C)  
Ex tb III C T75°C Db Ta = (-40°C +70°C)

**BExCP3B Call Points:**

Ex db eb mb IIC T4 Gb Ta = (-40°C +50°C)  
Ex tb III C T60°C Db Ta = (-40°C +50°C)

**BExCP3C Call Points:**

Ex db eb mb IIC T4 Gb Ta = (-40°C +65°C)  
Ex tb III C T75°C Db Ta = (-40°C +65°C)

**BExCP3D Call Points:**

Ex db eb mb IIC T4 Gb Ta = (-40°C +70°C)  
Ex tb III C T80°C Db Ta = (-40°C +70°C)

**BExCP3E Call Points:**

Ex db eb mb IIC T4 Gb Ta = (-40°C +65°C)  
Ex tb III C T75°C Db Ta = (-40°C +65°C)

**GNEExCP6A Call Points:**

Ex db eb IIC T6 Gb Ta = (-40°C +70°C)  
Ex tb III C T75°C Db Ta = (-40°C +70°C)

**GNEExCP6B Call Points:**

Ex db eb mb IIC T4 Gb Ta = (-40°C +50°C)  
Ex tb III C T80°C Db Ta = (-40°C +50°C)

**GNEExCP6C Call Points:**

Ex db eb mb IIC T4 Gb Ta = (-40°C to +65°C)  
Ex tb IIIC T75°C Db Ta = (-40°C to +65°C)

**GNEExCP6D Call Points:**

Ex db eb mb IIC T4 Gb Ta = (-40°C to +70°C)  
Ex tb IIIC T80°C Db Ta = (-40°C to +70°C)

**GNEExCP6E Call Points:**

EX db eb mb IIC T4 Gb Ta = (-40°C to +65°C)  
Ex tb IIIC T75°C Db Ta = (-40°C to +65°C)

The equipment is a range of manual call points, as described below:

Annexe to: IECEx SIR 09.0121X Issue 6

Applicant: European Safety Systems Limited

Apparatus: BExCP3A, BExCP3B, BExCP3C, BExCP3D,  
BExCP3E, GNEExCP6A, GNEExCP6B  
GNEExCP6C, GNEExCP6D and GNEExCP6E  
Manual Call Points



| Model      | Description of Enclosure                       | Mode of Operation   | Contents Includes  |
|------------|--|---|--|
| BExCP3A-BG | Aluminium enclosure fitted with a glass window | Break glass   | 'Ex d' switch  |
| BExCP3A-PB | Aluminium enclosure fitted with a push button  | Push button fitted with a spring-loaded cover that must be lifted before operating  |  |
| BExCP3A-PT |  | Push button fitted with a spring-loaded cover that must be lifted before operating, the push button can only be reset by a tool |  |
| BExCP3B-BG | Aluminium enclosure fitted with a glass window | Break glass   | 'Ex d' switch<br>And up to two of the following:<br>Resistor Module (2W) |
| BExCP3B-PB | Aluminium enclosure fitted with a push button  | Push button fitted with a spring-loaded cover that must be lifted before operating  | Diode Module<br>Zener Diode Module                                       |

Annexe to: IECEx SIR 09.0121X Issue 6  
 Applicant: European Safety Systems Limited  
 Apparatus: BExCP3A, BExCP3B, BExCP3C, BExCP3D,  
 BExCP3E, GNEExCP6A, GNEExCP6B  
 GNEExCP6C, GNEExCP6D and GNEExCP6E  
 Manual Call Points



| Model      | Description of Enclosure                       | Mode of Operation   | Contents Includes   |
|------------|--|---|---|
| BExCP3B-PT |  | Push button fitted with a spring-loaded cover that must be lifted before operating, the push button can only be reset by a tool |   |
| BExCP3C-BG | Aluminium enclosure fitted with a glass window | Break glass   | 'Ex d' switch<br>And up to two of the following:<br>Resistor Module (1.5W)<br>Diode Module<br>Zener Diode Module  |
| BExCP3C-PB | Aluminium enclosure fitted with a push button  | Push button fitted with a spring-loaded cover that must be lifted before operating  |   |
| BExCP3C-PT |  | Push button fitted with a spring-loaded cover that must be lifted before operating, the push button can only be reset by a tool |   |
| BExCP3D-BG | Aluminium enclosure fitted with a glass window | Break glass   | 'Ex d' switch<br>And up to two of the following:<br>Resistor Module (1.0W)<br>Diode Module<br>Zener Diode Module  |
| BExCP3D-PB | Aluminium enclosure fitted with a push button  | Push button fitted with a spring-loaded cover that must be lifted before operating  |   |
| BExCP3D-PT |  | Push button fitted with a spring-loaded cover that must be lifted before operating, the push button can only be reset by a tool |   |
| BExCP3E-BG | Aluminium enclosure fitted with a glass window | Break glass   | 'Ex d' switch<br>And up to two of the following:<br>Resistor Module (1.75W)<br>Diode Module<br>Zener Diode Module |
| BExCP3E-PB | Aluminium enclosure fitted with a push button  | Push button fitted with a spring-loaded cover that must be lifted before operating  |   |
| BExCP3E-PT |  | Push button fitted with a spring-loaded cover that must be lifted before operating, the push button can only be reset by a tool |   |

Annexe to: IECEx SIR 09.0121X Issue 6  
 Applicant: European Safety Systems Limited  
 Apparatus: BExCP3A, BExCP3B, BExCP3C, BExCP3D,  
 BExCP3E, GNEExCP6A, GNEExCP6B  
 GNEExCP6C, GNEExCP6D and GNEExCP6E  
 Manual Call Points



| Model        | Description of Enclosure                     | Mode of Operation   | Contents Includes   |
|--------------|--|---|---|
| GNEExCP6A-BG | Plastic enclosure fitted with a glass window | Break glass   | 'Ex d' switch (S) – up to two   |
| GNEExCP6A-PB | Plastic enclosure fitted with a push button  | Push button fitted with a spring-loaded cover that must be lifted before operating  |   |
| GNEExCP6A-PT |  | Push button fitted with a spring-loaded cover that must be lifted before operating, the push button can only be reset by a tool |   |
| GNEExCP6B-BG | Plastic enclosure fitted with a glass window | Break glass   | "Ex d' switch (S) – up to two<br>And up to two of the following:<br>Resistor Module (2.0W)<br>Diode Module<br>Zener Diode Module<br>With/without one:<br>LED Indicator Assembly                     |
| GNEExCP6B-PB | Plastic enclosure fitted with a push button  | Push button fitted with a spring-loaded cover that must be lifted before operating  |   |
| GNEExCP6B-PT |  | Push button fitted with a spring-loaded cover that must be lifted before operating, the push button can only be reset by a tool |   |
| GNEExCP6C-BG | Plastic enclosure fitted with a glass window | Break glass   | 'Ex d' switch (S) – up to two<br><br>And up to two of the following:<br><br>Resistor Module (1.5W)<br><br>Diode Module<br><br>Zener Diode Module<br><br>With/without one:<br>LED Indicator Assembly |
| GNEExCP6C-PB | Plastic enclosure fitted with a push button  | Push button fitted with a spring-loaded cover that must be lifted before operating  |   |
| GNEExCP6C-PT |  | Push button fitted with a spring-loaded cover that must be lifted before operating, the push button can only be reset by a tool |   |
| GNEExCP6D-BG | Plastic enclosure fitted with a glass window | Break glass   | 'Ex d' switch (S) – up to two   |

Annexe to: IECEx SIR 09.0121X Issue 6

Applicant: European Safety Systems Limited

Apparatus: BExCP3A, BExCP3B, BExCP3C, BExCP3D,  
BExCP3E, GNEExCP6A, GNEExCP6B  
GNEExCP6C, GNEExCP6D and GNEExCP6E  
Manual Call Points



| Model        | Description of Enclosure                     | Mode of Operation   | Contents Includes   |
|--------------|--|---|---|
| GNEExCP6D-PB | Plastic enclosure fitted with a push button  | Push button fitted with a spring-loaded cover that must be lifted before operating  | And up to two of the following:<br>Resistor Module (1.0W)<br><br>Diode Module<br>Zener Diode Module                                       |
| GNEExCP6D-PT |  | Push button fitted with a spring-loaded cover that must be lifted before operating, the push button can only be reset by a tool |   |
| GNEExCP6E-BG | Plastic enclosure fitted with a glass window | Break glass   | 'Ex d' switch (S) – up to two<br><br>And up to two of the following:<br>Resistor Module (1.75W)<br><br>Diode Module<br>Zener Diode Module |
| GNEExCP6E-PB | Plastic enclosure fitted with a push button  | Push button fitted with a spring-loaded cover that must be lifted before operating  |   |
| GNEExCP6E-PT |  | Push button fitted with a spring-loaded cover that must be lifted before operating, the push button can only be reset by a tool |   |

In all cases, external connections are made via 'Ex e' terminals mounted within the enclosure, the cables entering the enclosure via certified cable glands.

The following ratings are applicable:

Annexe to: IECEx SIR 09.0121X Issue 6  
 Applicant: European Safety Systems Limited  
 Apparatus: BExCP3A, BExCP3B, BExCP3C, BExCP3D,  
 BExCP3E, GNEExCP6A, GNEExCP6B  
 GNEExCP6C, GNEExCP6D and GNEExCP6E  
 Manual Call Points



|  |   |
|--|---|
| BExCP3A Range of Call Points   | BExCP3B, BExCP3C, BExCP3E and BExCP3D Range of Call Points  |
| AC Voltage 250V Max Current 5A Max   | Voltage #V DC Max Current #A Max  |
| DC Voltage<br><b>125V Max Current 0.5A Max resistive load: 0.03A inductive load</b><br><b>250 Vdc, 0.25A Max resistive load: 0.03A inductive load</b><br>75V Max Current 0.75A<br>50V Max Current 1.0A<br>30V Max Current 5.0A Max resistive load: 3.0A Inductive load<br>12V Max Current 5.0A | (# Due to the large number of options, it is not practical to detail a full list of available values, therefore, the manufacturer marks the actual figures applicable to each specific device on the product label in accordance with their drawings) |
| GNEExCP6A Range of Call Points   | GNEExCP6B, GNEExCP6C, GNEExCP6D and GNEExCP6E Range of Call Points  |
| AC Voltage 250V Max Current 5A Max   | Voltage #V DC Max Current #A Max  |
| DC Voltage<br><b>125V Max Current 0.5A Max resistive load: 0.03A inductive load</b><br><b>250 Vdc, 0.25A Max resistive load: 0.03A inductive load</b><br>75V Max Current 0.75A<br>50V Max Current 1.0A<br>30V Max Current 5.0A Max resistive load: 3.0A Inductive load<br>12V Max Current 5.0A | (# Due to the large number of options, it is not practical to detail a full list of available values, therefore, the manufacturer marks the actual figures applicable to each specific device on the product label in accordance with their drawings) |

**Additional Specific Conditions of Use:**

2. The following apply to the Call Points fitted with Phoenix Terminals:  
 The number of conductors per clamping shall be either 1 conductor per clamping unit, 0.2 – 4 sq mm or 2 conductors with the same cross section and the same conductor type 0.2 – 1.5 sq mm. If 2 conductors are fitted in one clamping unit they may be joined in a suitable manner, e.g. two conductors into a single insulated crimped boot lace ferrule.
3. The following apply to the Call Points fitted with Weidmuller Terminals:
  - Not more than one single or multiple strand lead shall be connected to a terminal, unless multiple conductors have been joined in a suitable manner, e.g. two conductors into a single insulated crimped boot lace ferrule.
  - Leads connected to the terminals shall be insulated for the appropriate voltage and this insulation shall extend to within 1mm of the metal of the terminal throat.
  - During installation, the terminals shall be only wired with cable in an ambient temperature range between -10°C to 80°C.
4. All terminal screws, used or unused, shall be fully tightened down.
5. The GNEExCP6 Call Points are supplied with M20 threaded entries, the BExCP3 Call Points have plain, M20 holes. All of these shall be fitted with either a cable gland or certified blanking element that is suitable for the application and has been certified by a notified body. These shall provide and maintain a minimum enclosure ingress protection of IP66.

**Annexe to:** IECEx SIR 09.0121X Issue 6  
**Applicant:** European Safety Systems Limited  
**Apparatus:** BExCP3A, BExCP3B, BExCP3C, BExCP3D,  
BExCP3E, GNExCP6A, GNExCP6B  
GNExCP6C, GNExCP6D and GNExCP6E  
Manual Call Points

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6. For BExCP3B, BExCP3C, BExCP3D, BExCP3E, GNExCP6B, GNExCP6C, GNExCP6D and GNExCP6E Call Points that have a maximum rated current marked, the prospective short-circuit current of the circuit connected shall be limited to the marked rated current.
7. The enclosure of the GNExCP6 Call Points is non-conducting and may generate an ignition-capable level of electrostatic charges under certain extreme conditions. The user should ensure that the equipment is not installed in a location where it may be subjected to external conditions (such as high-pressure steam) which might cause a build-up of electrostatic charges on non-conducting surfaces. Additionally, cleaning of the equipment should be done only with a damp cloth.

## Conditions of manufacture

The Manufacturer shall comply with the following:

1. All complete BExCP3B-BG, BExCP3B-PB, BExCP3B-PT, BExCP3C-BG, BExCP3C-PB and BExCP3C-PT, BExCP3D-BG, BExCP3D-PB and BExCP3D-PT, and BExCP3E-BG, BExCP3E-PB and BExCP3E-PT manufactured units shall be subjected to a routine dielectric strength test of 500V r.m.m. a.c. applied for 1 s or 600V r.m.s. a.c. applied for 100 ms between all terminals and the equipment enclosure, in accordance with clause 9.2 of IEC 60079-18.
2. All completed resistor modules, diode modules, zener diode modules and LED indicator encapsulated assemblies shall be subjected to a visual inspection on the encapsulation in accordance with Clause 9.1 of IEC 60079-18:2009. No damage shall be evident such as cracks in the compound, exposure of the encapsulated parts, flaking, inadmissible shrinkage, swelling, decomposition, failure in adhesion or softening.
3. The products covered by this certificate incorporate previously certified devices, it is therefore the responsibility of the manufacturer to continually monitor the status of the certification associated with these devices, and the manufacturer shall inform Sira of any modifications of the devices that may impinge upon the explosion safety design of their products.

## Full Certificate Change History

**Issue 1** – this Issue introduced the following change:

1. The introduction of type GNExCP6A-BG, GNExCP6A-PB, GNExCP6A-PT, GNExCP6B-BG, GNExCP6B-PB and GNExCP6B-PT Manual Call Points; these utilise a plastic enclosure and house an extended range of optional modules.

**Issue 2** – this Issue introduced the following change:

1. Sira free report no. R25199A/01 replaced R25199A/00.

**Issue 3** – this Issue introduced the following change:

1. To allow the use of diode and Zener diode packs (as used in the GNExCP6 Call Point to this certificate) with the BExCP3B Call Point; and revisions to the relevant controlled drawings to support this. The description was amended accordingly.

**Date:** 14 August 2020

Page 7 of 9

Form 9530 Issue 1

Sira Certification Service

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Annexe to: IECEx SIR 09.0121X Issue 6  
Applicant: European Safety Systems Limited  
Apparatus: BExCP3A, BExCP3B, BExCP3C, BExCP3D,  
BExCP3E, GNEExCP6A, GNEExCP6B  
GNEExCP6C, GNEExCP6D and GNEExCP6E  
Manual Call Points



Issue 4 – this Issue introduced the following changes:

1. The introduction of the BExCP3C-BG, BExCP3C-PB, BExCP3C-PT, GNEExCP6C-BG, GNEExCP6C-PB & GNEExCP6C-PT Manual Call Points. The description, Specific Conditions of Use and Conditions of Manufacture were amended accordingly.
2. Following appropriate assessment to demonstrate compliance with the latest technical knowledge, IEC 61241-1:2004 was replaced by IEC 60079-31:2013. The marking has been updated in accordance with the latest standard.

Issue 5 – this Issue introduced the following changes:

#### Microswitch (applicable to all variants)

- i. Update the equipment to permit the microswitch electrical ratings, permitted in the microswitch certificate, which introduces a 3A (maximum) inductive load in the switch;
- ii. Update the microswitch service temperature range to -50°C to +80°C, from -50°C to 65°C, as per the latest microswitch certificate;

#### For GNEExCP6B, separate the LED indicator assembly from modules

- i. Permit the use up to 2x2W modules with LED or LED on its own. This had already been justified and included in the assessments, but now included as part of this variation;

#### Weidmüller DIN rail option

- i. Add Weidmüller DIN rail option to the GNEExCP6 variants;

#### All variants

- i. Permit a change in ambient temperature range for all variants, using previous and new testing performed; The following changes are made with regards to call point variants

##### Modified Version:

BExCP3C and GNEExCP6C previously contained/now contains the following options:

Was:

Ex d microswitch with up to two resistor modules (1W each) OR LED indicator assembly (1W)

Is:

'Ex d' microswitch and up to two of the following:

Resistor Module (1.75W each)

Diode Module

Zener Diode Module

##### New variant Resistor Power Ratings:

BExCP3D and GNEExCP6D has been added to include:

'Ex d' microswitch and up to two of the following:

Resistor Module (1.0W each)

Diode Module

Zener Diode Module

- ii. Following appropriate assessment to demonstrate compliance with the latest technical knowledge, IEC 60079-0:2007 Ed.5, IEC 60079-1:2003 Ed.5, IEC 60079-7: 2006 Ed.4 and IEC 60079-18: 2009 Ed.3 were replaced by IEC 60079-0:2017 Ed.7, IEC 60079-1:2014 Ed.7, IEC 60079-7:2015/AMD1:2017 and IEC 60079-18:2014/AMD1:2017, the markings were updated accordingly to recognise the new standards.

Date: 14 August 2020

Page 8 of 9

Form 9530 Issue 1

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**Annexe to:** IECEx SIR 09.0121X Issue 6  
**Applicant:** European Safety Systems Limited  
**Apparatus:** BExCP3A, BExCP3B, BExCP3C, BExCP3D,  
BExCP3E, GNEExCP6A, GNEExCP6B  
GNEExCP6C, GNEExCP6D and GNEExCP6E  
Manual Call Points

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## Issue 6

- i. Clarification of the product coding and marking:
  - a. Types of protection placed in alphabetical order in the labels;
  - b. Correction of amperage associated with 30Vdc rating for the BExCP3A and GNEExCP6A Call Points in the certificates from the previous variation
- ii. Permit the following modifications after performing temperature measurement tests (where necessary) as part of this variation:
  - a. Recognise the existing BExCP3C and GNEExCP6C call points variants with new BExCP3E and GNEExCP6E variants, with the contents remaining unchanged;
  - b. Recognise a new variant, as the new BExCP3C and GNEExCP6C call point, the same contents of the previous BExCP3C/GNEExCP6C variant, with the exception of introducing a LED to the contents (GNEExCP6C only) and limiting the resistor modules and the LED/resistor to 1.5W;
  - c. Modification to the permitted maximum input voltage and corresponding resistance values for the applicable variants;
  - d. Permit the use of a 125VDC and 250VDC maximum voltage options for the micro-switch in the BExCP3A and GNEExCP6A variants;
  - e. Correction of a typographical error, to represent the optional resistor/diode as R2/D2, instead of R1/D1, which is already used in the circuit diagram;
  - f. Permit modification of the LED resistances and the corresponding maximum input voltages for the GNEExCP6B and GNEExCP6C variants.
  - g. The description was modified to reflect these changes.