



# 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 ULD 19.0007X** Page 1 of 4 [Certificate history:](#)  
Issue 0 (2019-04-30)

Status: **Current** Issue No: 1

Date of Issue: 2021-10-22

Applicant: **European Safety Systems Limited**  
Impress House  
Mansell Rd.  
Acton, London W3 7QH GB  
**United Kingdom**

Equipment: **GNEExCP7 Call Point Switch, GNEExCP7-PT-S / PM-S / PB-S / PT-D / PM-D / PB-D / BG-S / BG-D**

Optional accessory:

Type of Protection: **Flameproof "db", Dust Ignition Protection by Enclosure "tb"**

Marking: Ex db IIC T6...T5 Gb  
Ex tb IIIC T90°C...T80°C Db  
-55°C to +70°C (See Annex for additional information)

Approved for issue on behalf of the IECEx  
Certification Body:

**Katy A. Holdredge**

Position:

**Senior Staff Engineer**

Signature:  
(for printed version)

Date:

2021-10-22

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2. This certificate is not transferable and remains the property of the issuing body.
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Certificate issued by:

**UL International DEMKO A/S**  
**Borupvang 5A**  
**DK-2750 Ballerup**  
**Denmark**





# IECEX Certificate of Conformity

Certificate No.: **IECEX ULD 19.0007X**

Page 2 of 4

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Manufacturer: **European Safety Systems Limited**  
Impress House  
Mansell Rd.  
Acton, London W3 7QH GB  
**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 60079-31:2013** Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:2

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:

[DK/ULD/ExTR19.0007/00](#)

[DK/ULD/ExTR19.0007/01](#)

Quality Assessment Report:

[GB/SIR/QAR06.0020/09](#)



# IECEX Certificate of Conformity

Certificate No.: **IECEX ULD 19.0007X**

Page 3 of 4

Date of issue: 2021-10-22

Issue No: 1

## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The GNExCP7 series Call Points are made from GRP material and provide Ex db and Ex tb types of protection. There are four variants, Break Glass, Push Button, Momentary Push Button and Push Button & Tool Reset. All models have a flanged flamepath for the cover and a cylindrical flamepath for the operating rods. All variants have three M20 x 1.5p threaded entries, two are located at the top of the base and one is located on the side of the base. The permitted orientations for the equipment are vertical only with the double cable entry uppermost or lowermost only.

Each variant may incorporate single or dual microswitch configurations, DIN rail mounted terminal blocks and PCB terminal. End of line and series monitoring resistors or diodes may be fitted when supplied at 24 or 48 Vdc.

**Please see Annex for additional information.**

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

- No repair to the flameproof joints is permitted
- The equipment has a maximum capacitance of 6.33pF
- Equipment is permitted to be wall mounted only in the vertical position. The enclosure base is permitted in two mounting positions, with the double cable entry lowermost or uppermost.



# IECEX Certificate of Conformity

Certificate No.: **IECEX ULD 19.0007X**

Page 4 of 4

Date of issue: 2021-10-22

Issue No: 1

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

Issue 1: Addition of the Break Glass Version.

**Annex:**

[Annex to IECEx ULD 19.0007X Issue 1.pdf](#)



# IECEx Certificate of Conformity

Certificate No.: IECEx ULD 19.0007X

Issue No.: 1

Page 1 of 3

## TYPE DESIGNATION

GNEEx	CP7-	PB-	S
I	II	III	IV

I – Enclosure Series

GNEEx – Primary Enclosure Series

II – Certifications

CP7- - Call Point 7

III – Type of Enclosure

BG- - Break Glass

PB- - Push Button

PM- - Momentary Push Button

PT- - Push Button & Tool Reset

IV – Switch configuration Width of Enclosure

S - Single microswitch

D - Dual microswitch

## PARAMETERS RELATING TO THE SAFETY

Maximum Voltage =

250Vac max / 5.0A max (for units without any series resistor or end of line devices only)

48Vdc max / 1.0A max

24Vdc max / 3.0A max

Maximum Power = 6.224W

## MARKING

Marking has to be readable and indelible; it has to include the following indications:

GNEExCP7-PT-\*, GNEExCP7-PB-\* and GNEExCP7-PM-\*

<b>GNEExCP7-PB-D</b>	<b>CALL POINT</b>	
Maximum Power: 6.244W	Input Voltage / Current: 48Vdc max 1A max / 24Vdc 3A max	
	Input Voltage / Current: 250Vac 50/60Hz max 5.0A max	
Year / Serial No. 20/1CP7PB0XXXXXX	DEMKO 19 ATEX 2101X IECEx ULD 19.0007X	IP66
<b>WARNINGS</b>		
USE COVER BOLTS CLASS A4-70 ; DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT POTENTIAL ELECTROSTATIC CHARGING HAZARD - SEE INSTRUCTIONS ; FOR INDOOR OR OUTDOOR USE TO REDUCE THE RISK OF IGNITION OF HAZARDOUS ATMOSPHERES, CONDUIT RUNS MUST HAVE A SEALING FITTING CONNECTED WITHIN 18 INCHES OF CONDUIT CAUTION - RISK OF ELECTRIC SHOCK - MORE THAN ONE DISCONNECT MAY BE REQUIRED TO DE-ENERGIZE THE EQUIPMENT BEFORE SERVICING		
<b>AVERTISSEMENT:</b>		
UTILISER COUVRIER BOULONS CLASSE A4-70 ; NE PAS OUVRIR UN PRESENCE D'ATMOSPHERE EXPLOSIVE DANGER POTENTIEL CHARGE ELECTROSTATIQUE - VOIR LES INSTRUCTIONS ; POUR USAGE INTERIEUR OU EXTERIEUR POUR REDUIRE LE RISQUE D'INFLAMMATION DES ATMOSPHERES DANGEREUSES, LES CONDUITES DE CONDUIT DOIVENT AVOIR UN RACCORD D'ETANCHEITE RACCORDE A MOINS DE 18 POUCES DE L'ENFERMEMENT ATTENTION - RISQUE DE CHOIC ELECTRIQUE - PLUSIEURS SECTIONNEURS PEUVENT ETRE NECESSAIRES POUR COUPER L'ALIMENTATION DE L'APPAREILLAGE AVANT D'ENTREPRENDRE L'ENTRETIEN		



# IECEx Certificate of Conformity

Certificate No.:

IECEx ULD 19.0007X

Issue No.: 1

Page 2 of 3

	II 2G	ATEX/IECEX: Ex db IIC T5 Gb (Ta -55°C to +70°C) Ex db IIC T6 Gb (Ta -55°C to +60°C) Ex tb IIIC T90°C Db (Ta -55°C to +70°C)		2813
	II 2D			
<p>ALL ENTRIES M20x1.5 - IF TEMPERATURE EXCEEDS 70° C AT ENTRY OR 80° C AT BRANCHING POINT USE SUITABLY RATED CABLE AND CABLE GLANDS - SEE INSTRUCTIONS</p> <p> <b>European Safety Systems Ltd.</b> <i>Impress, House, Mansell</i> www.e2s.com Road, London W3 7QH UK</p>				

## GNExCP7-BG-\*

<b>GNExCP7-BG-D</b>	<b>CALL POINT</b>
<p>Maximum Power: 8.244W Input Voltage / Current: 48Vdc max 1A max / 24Vdc 3A max Input Voltage / Current: 250Vac 50/60Hz max 5.0A max</p>	
Year / Serial No. 19/TCP7BGDXXXXXX	DEMKO 19 ATEX 2101X IP66 IECEx ULD 19.0007X
<p><b>WARNINGS</b> USE COVER BOLTS CLASS A4-70 DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT POTENTIAL ELECTROSTATIC CHARGING HAZARD - SEE INSTRUCTIONS FOR INDOOR OR OUTDOOR USE TO REDUCE THE RISK OF IGNITION OF HAZARDOUS ATMOSPHERES, CONDUIT RUNS MUST HAVE A SEALING FITTING CONNECTED WITHIN 2 INCHES OF ENCLOSURE</p> <p><b>AVERTISSEMENT:</b> UTILISER COUVRIR BOULONS CLASSE A4-70 NE PAS OUVRIR UN PRESENCE D'ATMOSPHERE EXPLOSIVE DANGER POTENTIEL, CHARGE ELECTROSTATIQUE - VOIR LES INSTRUCTIONS POUR USAGE INTERIEUR OU EXTERIEUR POUR REDUIRE LE RISQUE D'INFLAMMATION DES ATMOSPHERES DANGEREUSES, LES CONDUITES DE CONDUIT DOIVENT AVOIR UN RACCORD DETACHETE RACCORDE A MOINS DE 2 POUCES DE ENCLOSE</p>	
<p>ALL ENTRIES M20x1.5 - IF TEMPERATURE EXCEEDS 70° C AT ENTRY OR 80° C AT BRANCHING POINT USE SUITABLY RATED CABLE AND CABLE GLANDS - SEE INSTRUCTIONS</p> <p> <b>European Safety Systems Ltd.</b> <i>Impress, House, Mansell</i> www.e2s.com Road, London W3 7QH UK</p>	

	II 2G	ATEX/IECEX: Ex db IIC T5 Gb (Ta -55°C to +70°C) Ex db IIC T6 Gb (Ta -55°C to +65°C) Ex tb IIIC T85°C Db (Ta -55°C to +70°C)		2813
	II 2D			

### WARNINGS :

USE COVER BOLTS CLASS A4-70  
DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT  
POTENTIAL ELECTROSTATIC RISK – SEE INSTRUCTIONS



# IECEx Certificate of Conformity

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Certificate No.: IECEx ULD 19.0007X

Issue No.: 1

Page 3 of 3

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## **ROUTINE EXAMINATIONS AND TESTS**

Routine tests according to IEC 60079-1, cl. 16 are not required, as the enclosures have been successfully tested at four times the reference pressure.