



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 ULD 19.0007X

Issue No: 0

Certificate history:

[Issue No. 0 \(2019-04-30\)](#)

Status: **Current**

Page 1 of 3

Date of Issue: **2019-04-30**

Applicant: **European Safety Systems Limited**

Impress House
Mansell Rd.
Acton, London W3 7QH GB
United Kingdom

Equipment: **GNECP7 Call Point Switch, GNECP7-PT-S / PM-S / PB-S / PT-D / PM-D / PB-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 Db

-55°C to +70°C (T5)

-55°C to +60°C (T6)

-55°C to +70°C (T90°C)

*Approved for issue on behalf of the IECEx
Certification Body:*

Katy A. Holdredge

Position:

Senior Staff Engineer

*Signature:
(for printed version)*

Date:

2019-04-30

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](#).

Certificate issued by:

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





IECEX Certificate of Conformity

Certificate No: IECEX ULD 19.0007X Issue No: 0

Date of Issue: **2019-04-30** Page 2 of 3

Manufacturer: **European Safety Systems Limited**
Impress House
Mansell Rd.
Acton, London W3 7QH GB
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 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 : 2017 Edition:7.0	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2013 Edition:2	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:

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

Quality Assessment Report:

[GB/SIR/QAR06.0020/07](#)



IECEX Certificate of Conformity

Certificate No: IECEx ULD 19.0007X

Issue No: 0

Date of Issue: 2019-04-30

Page 3 of 3

Schedule

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 three variants, 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.

Annex:

[Annex to IECEx ULD 19.0007X Issue 0.pdf](#)



IECEx Certificate of Conformity

Certificate No.: IECEx ULD 19.0007X

Issue No.: 0

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

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

GNEExCP7-PT-*

GNEExCP7-PT-D	CALL POINT
Maximum Power: 6.244W Input Voltage / Current: 48Vdc max 1A max / 24Vdc 3A max Input Voltage / Current: 250Vac 50/60Hz max 3.33A max	
MANUAL SIGNALING BOX FIRE/FEU FOR WIRING REFER TO INSTRUCTIONS D202-00-201-IS Issue 1 Year / Serial No. DEMKO 19 ATEX 2101X IP66 191CP7PTDXXXXXX IECEx ULD 19.0007X	
WARNINGS 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	
AVERTISSEMENT: UTILISER COUVRE-BOLONS CLASSE A4-70 NE PAS OUVRIR EN PRESENCE D'ATMOSPHERE EXPLOSIVE DANGER POTENTIEL CHARGE ELECTROSTATIQUE - VOIR LES INSTRUCTIONS POUR USAGE INTERIEUR OU EXTERIEUR POUR REDUIRE LE RISQUE D'IGNITION DES ATMOSPHERES DANGEREUSES, LES CONDUITES DE CONDUIT DOIVENT AVOIR UN RACCORD D'ETANCHEITE RACCORDE A MOINS DE 18 POUCHES DE L'ENFERMEMENT	
ALL ENTRIES M20x1.5 - IF TEMPERATURE EXCEEDS 60° C AT ENTRY OR 60° C AT BRANCHING POINT USE SUITABLY RATED CABLE AND CABLE GLANDS - SEE INSTRUCTIONS	
	European Safety Systems Ltd. www.e2s.com Impress, House, Mansell Road, London W3 7QH UK



IECEx Certificate of Conformity

Certificate No.: IECEx ULD 19.0007X

Issue No.: 0

Page 2 of 3

 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) 

NEC/CEC CLASS / DIV:
Class I Div 2 Group ABCD T5 Ta -55°C to +70°C
Class I Div 2 Group ABCD T6 Ta -55°C to +60°C
Class II Div 2 Group FG T4 Ta -55°C to +70°C
Class III Div 1 & 2 Ta -55°C to +70°C

NEC CLASS ZONE:
Class I Zone 1 AEx db IIC T5 Gb (Ta -55°C to +70°C)
Class I Zone 1 AEx db IIC T6 Gb (Ta -55°C to +60°C)
Zone 21 AEx tb IIIC T135°C Db (Ta -55°C to +70°C)

CEC CLASS ZONE:
Class I Zone 1 Ex db IIC T5 Gb X (Ta -55°C to +70°C)
Class I Zone 1 Ex db IIC T6 Gb X (Ta -55°C to +60°C)
Zone 21 Ex tb IIIC T135°C Db (Ta -55°C to +70°C)

GNExCP7-PB-* and GNExCP7-PM-*

GNExCP7-PB-D CALL POINT

Maximum Power: 6,244W
Input Voltage / Current: 48Vdc max 1A max / 24Vdc 3A max
Input Voltage / Current: 250Vac 50/60Hz max 3,33A max

Year / Serial No. 19/1CP7/PB/DX/XXXXX DEMKO 19 ATEX 2101X IP66
IECEx ULD 19,0007X

WARNINGS
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

ALL ENTRIES M20x1.5 - IF TEMPERATURE EXCEEDS 60°C AT ENTRY OR 80°C AT
BRANCHING POINT USE SUITABLY RATED CABLE AND CABLE GLANDS - SEE INSTRUCTIONS

 **European Safety** *Impress, House, Mansell*
Systems Ltd. www.e2s.com Road, London W3 7QH UK

 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) 

NEC/CEC CLASS / DIV:
Class I Div 2 Group ABCD T5 Ta -55°C to +70°C
Class I Div 2 Group ABCD T6 Ta -55°C to +60°C
Class II Div 2 Group FG T4 Ta -55°C to +70°C
Class III Div 1 & 2 Ta -55°C to +70°C

NEC CLASS ZONE:
Class I Zone 1 AEx db IIC T5 Gb (Ta -55°C to +70°C)
Class I Zone 1 AEx db IIC T6 Gb (Ta -55°C to +60°C)
Zone 21 AEx tb IIIC T135°C Db (Ta -55°C to +70°C)

CEC CLASS ZONE:
Class I Zone 1 Ex db IIC T5 Gb X (Ta -55°C to +70°C)
Class I Zone 1 Ex db IIC T6 Gb X (Ta -55°C to +60°C)
Zone 21 Ex tb IIIC T135°C Db (Ta -55°C to +70°C)

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

Certificate No.: IECEx ULD 19.0007X

Issue No.: 0

Page 3 of 3

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.