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

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

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: **GNExCP7 Call Point Switch, GNExCP7-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…T80ºC 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

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 www.iecex.com or use of this QR Code.

Certificate issued by:

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

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

Date of issue: 2021-10-22

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

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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.

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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

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Certificate No.: IECEx ULD 19.0007X

Issue No.: 1

TYPE DESIGNATION

GNEx	CP7-	PB-	S
I	II	III	IV

I – Enclosure Series

GNEx – 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

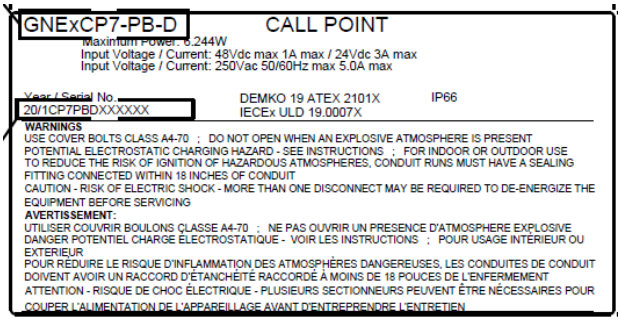
24Vdc max / 3.0A max

Maximum Power = 6.224W

MARKING

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

GNExCP7-PT-*, GNExCP7-PB-* and GNExCP7-PM-*



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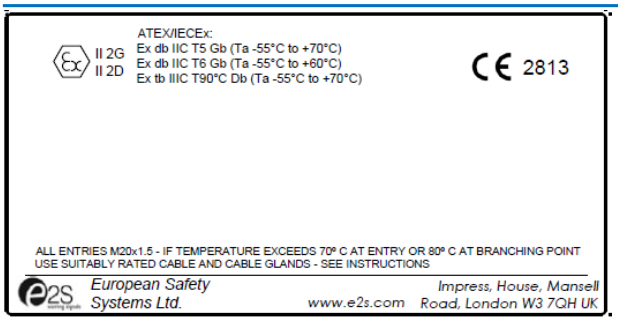
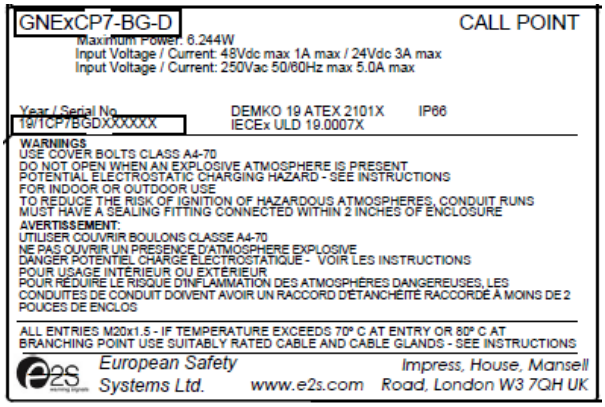
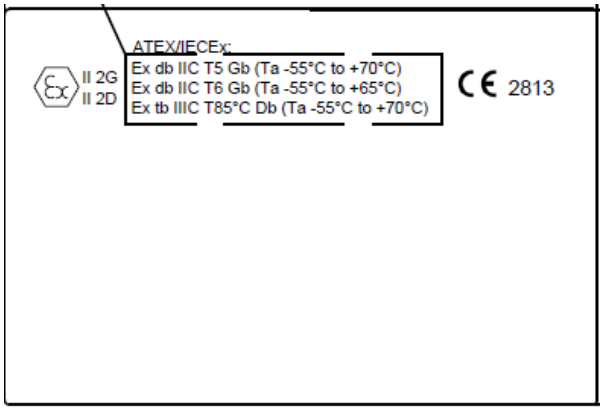


GNExCP7-BG-*





WARNINGS :

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

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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.