



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 15.0018X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 4	Issue 3 (2023-06-09)
Date of Issue:	2023-12-19		Issue 2 (2021-08-25)
			Issue 1 (2016-06-17)
			Issue 0 (2016-03-17)
Applicant:	European Safety Systems Limited Impress House Mansell Road Acton London W3 7QH United Kingdom		
Equipment:	Call Point Switch, Models STExCP8- PT-S / PM-S / PB-S / PT-D / PM-D / PB-D / BG-S / BG-D / PT-I / PM-I / PB-I / BG-I / PT-IR / PM-IR / PB-IR / BG-IR.		
Optional accessory:			
Type of Protection:	Flameproof "db", Intrinsic Safety "ia"		
Marking:	Ex db IIC T4 Gb Ex db IIC T5 Gb Ex db IIC T6 Gb Ex ia IIC T6 Ga (models STExCP8-**-I) Ex ia IIC T4 Ga (models STExCP8-**-IR) -55°C to +70°C See Annex for additional information.		

Approved for issue on behalf of the IECEx
Certification Body:

Andrew Moffat

Position:

Senior Project Engineer

Signature:
(for printed version)

Date:
(for printed version)

2023-12-19

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Certificate issued by:

UL Solutions (Demko)
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Ballerup DK-2750
Denmark





IECEX Certificate of Conformity

Certificate No.: **IECEX ULD 15.0018X**

Page 2 of 4

Date of issue: 2023-12-19

Issue No: 4

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

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

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](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

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/ExTR15.0019/00](#)
[DK/ULD/ExTR15.0019/03](#)

[DK/ULD/ExTR15.0019/01](#)
[DK/ULD/ExTR15.0019/04](#)

[DK/ULD/ExTR15.0019/02](#)

Quality Assessment Report:

[GB/SIR/QAR06.0020/12](#)



IECEX Certificate of Conformity

Certificate No.: **IECEX ULD 15.0018X**

Page 3 of 4

Date of issue: 2023-12-19

Issue No: 4

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The STExCP8 range of Call Point Switches are manual call points for the activation of fire and gas alarm systems.

Available as Dual Action Push Button (PB), Momentary Push Button (PM), Tool Reset Push Button (PT) or Break Glass (BG) with a single (S) or dual (D) micro-switch switching capability. An indicator LED may be fitted in one of the M20 threaded entries.

All models can be fitted with series resistors, end-of-line monitoring resistors, monitoring diodes and zener diodes if supplied with direct current of up to 48 Vdc.

The STExCP8-xx-I and STExCP8-xx-IR range of Call Point Switches are as described above and provide Ex ia type of protection when used with suitable Zener Barrier or Galvanic Isolators. Terminal blocks are either DIN rail mounted or PCB mounted. End of line and series monitoring resistors or diodes may be fitted in the factory or by the installer/end-user. There is also an option for an LED module to be fitted. All components are considered as a single intrinsically safe circuit.

Please see Annex for additional information.

SPECIFIC CONDITIONS OF USE: YES as shown below:

For Ex db models:

- Special precautions are necessary to reduce the risk due to electro-static discharge in fixed installations. Refer to the installation/operation instructions.
- No repair to the flameproof joints is permitted.

For Ex ia Intrinsically Safe models:

- The equipment does not provide 500V isolation between the intrinsically safe circuit and parts which may be earthed. This shall be considered in the end-use application to ensure the possibility of an earth connection will not compromise intrinsic safety. Refer to EN/IEC 60079-14.
- Special precautions are necessary to reduce the risk due to electro-static discharge in fixed installations. Refer to the installation/operation instructions.



IECEX Certificate of Conformity

Certificate No.: **IECEX ULD 15.0018X**

Page 4 of 4

Date of issue: 2023-12-19

Issue No: 4

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1: Addition of STExCP8-BG-S and STExCP8-BG-D Break Glass variants. Minor drawing update.

Issue 2: Update to the 7th Edition of IEC 60079-0. Update to Marking and Installation Instructions.

Issue 3: Addition of models "-L" and "-C" fitted with LED module. Minor change to Break Glass construction.

Issue 4: Addition of new Intrinsic Safety models STExCP8-**-I and STExCP8-**-IR.

Annex:

[Annex to IECEx ULD 15.0018X Issue 4.pdf](#)



IECEX Certificate of Conformity

Annex to Certificate No.:

IECEX ULD 15.0018X

Issue No.: 4

Page 1 of 7

TYPE DESIGNATION

Ex db Product Nomenclature

STEx	CP8-	PB-	S	-L
I	II	III	IV	V

I – Enclosure Series

STEx – Primary Enclosure Series

II – Certifications

CP8- - Call Point 8

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

V – LED option

Blank – No LED

-C – LED, without resistor

-L – LED, with resistor

Ex ia Product Nomenclature:

STEx	CP8-	PB-	I
I	II	III	IV

I – Enclosure Series

STEx – Primary Enclosure Series

II – Certifications

CP8- - Call Point 8

III – Type of Enclosure

BG- - Break Glass

PB- - Push Button

PM- - Momentary Push Button

PT- - Push Button & Tool Reset

IV – Product Version

I – Intrinsically Safe Version with Single or Double Switch with no EOL or Series Devices



IECEX Certificate of Conformity

Annex to Certificate No.:

IECEX ULD 15.0018X

Issue No.: 4

Page 2 of 7

IR - Intrinsically Safe Version with Single or Double Switch with optional EOL Series devices including optional LED module

PARAMETERS RELATING TO THE SAFETY

Note: The DC models are limited to maximum 6.224W controlled by the allowable component configuration
The AC models are limited to 5W by design.

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

Ambient Temperature:

Model	Maximum Ambient (-55°C to xx°C)			
	50°C	+60°C	+65°C	+70°C
STExCP8-PB-S	-	-	-	T6
STExCP8-PB-S-L STExCP8-PB-S-C	-	-	T6	T5
STExCP8-PB-D	-	T6	-	T5
STExCP8-PB-D-L STExCP8-PB-D-C	T6	-	T5	T4
STExCP8-PB-I	-	-	-	T6
STExCP8-PB-IR	-	-	-	T4
STExCP8-PM-S	-	-	-	T6
STExCP8-PM-S-L STExCP8-PM-S-C	-	-	T6	T5
STExCP8-PM-D	-	T6	-	T5
STExCP8-PM-D-L STExCP8-PM-D-C	T6	-	T5	T4
STExCP8-PM-I	-	-	-	T6
STExCP8-PM-IR	-	-	-	T4
STExCP8-PT-S	-	-	-	T6
STExCP8-PT-S-L STExCP8-PT-S-C	-	-	T6	T5



IECEX Certificate of Conformity

Annex to Certificate No.:

IECEX ULD 15.0018X

Issue No.: 4

Page 3 of 7

STExCP8-PT-D	-	T6	-	T5
STExCP8-PT-D-L STExCP8-PT-D-C	T6	-	T5	T4
STExCP8-PT-I	-	-	-	T6
STExCP8-PT-IR	-	-	-	T4
STExCP8-BG-S	-	-	-	T6
STExCP8-BG-S-L STExCP8-BG-S-C	-	-	T6	T5
STExCP8-BG-D	-	T6	-	T5
STExCP8-BG-D-L STExCP8-BG-D-L	T6	-	T5	T4
STExCP8-BG-I	-	-	-	T6
STExCP8-BG-IR	-	-	-	T4

For Intrinsic Safety models STExCP8-**-I and STExCP8-**-IR

Ui=30V

Ii=500mA

Pi=1100mW

Ci=0

Li=0



IECEX Certificate of Conformity

Annex to Certificate No.:

IECEX ULD 15.0018X

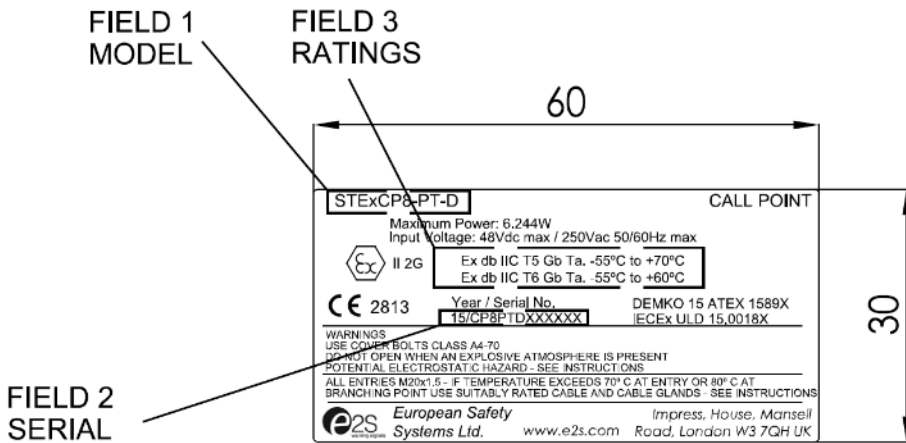
Issue No.: 4

Page 4 of 7

MARKING

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

Push Button Models



FIELD 2 SERIAL NO. FORMAT

FIELD 1 MODEL	FIELD 2 SERIAL NO. FORMAT	FIELD 3 RATINGS
STExCP8-PT-S	YY/1CP8PTSXXXXXX	Ex db IIC T6 Gb (Ta -55°C to +70°C)
STExCP8-PM-S	YY/1CP8PMSXXXXXX	"
STExCP8-PB-S	YY/1CP8BSXXXXXX	"
STExCP8-PT-S-L or -C	YY/1CP8PTSXXXXXX	Ex db IIC T5 Gb (Ta -55°C to +70°C) Ex db IIC T6 Gb (Ta -55°C to +65°C)
STExCP8-PM-S-L or -C	YY/1CP8PMSXXXXXX	"
STExCP8-PB-S-L or -C	YY/1CP8BSXXXXXX	"
STExCP8-PT-D	YY/1CP8PTDXXXXXX	Ex db IIC T5 Gb (Ta -55°C to +70°C) Ex db IIC T6 Gb (Ta -55°C to +60°C)
STExCP8-PM-D	YY/1CP8PMDXXXXXX	"
STExCP8-PB-D	YY/1CP8PBDXXXXXX	"
STExCP8-PT-D-L or -C	YY/1CP8PTDXXXXXX	Ex db IIC T4 Gb (Ta -55°C to +70°C) Ex db IIC T5 Gb (Ta -55°C to +65°C) Ex db IIC T6 Gb (Ta -55°C to +50°C)
STExCP8-PM-D-L or -C	YY/1CP8PMDXXXXXX	"
STExCP8-PB-D-L or -C	YY/1CP8PBDXXXXXX	"



IECEX Certificate of Conformity

Annex to Certificate No.:

IECEX ULD 15.0018X

Issue No.: 4

Page 5 of 7

Break Glass Models

FIELD 1 MODEL

FIELD 3 RATINGS

FIELD 2 SERIAL NO. FORMAT

60

30

CALL POINT

STExCP8-BG-D

Maximum Power: 6.244W
Input Voltage: 48Vdc max / 250Vac 50/60Hz max

Ex II 2G

Ex db IIC T5 Gb Ta, -55°C to +70°C
Ex db IIC T6 Gb Ta, -55°C to +60°C

CE 2813 Year / Serial No. DEMKO 15 ATEX 1589X
T5CP8BGDXXXXXX IECEX ULD 15.0018X

WARNINGS
USE CORNER BOLTS CLASS A4-70
DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT
POTENTIAL ELECTROSTATIC HAZARD - SEE INSTRUCTIONS
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

European Safety Systems Ltd. Impress, House, Mansell Road, London W3 7QH UK

FIELD 1 MODEL	FIELD 2 SERIAL NO. FORMAT	FIELD 3 RATINGS
STExCP8-BG-S	YY/1CP8BGSXXXXXX	Ex db IIC T6 Gb (Ta -55°C to +70°C)
STExCP8-BG-S-L or -C	YY/1CP8BGSXXXXXX	Ex db IIC T5 Gb (Ta -55°C to +70°C) Ex db IIC T6 Gb (Ta -55°C to +65°C)
STExCP8-BG-D	YY/1CP8BGDXXXXXX	Ex db IIC T5 Gb (Ta -55°C to +70°C) Ex db IIC T6 Gb (Ta -55°C to +60°C)
STExCP8-BG-D-L Or -C	YY/1CP8BGDXXXXXX	Ex db IIC T4 Gb (Ta -55°C to +70°C) Ex db IIC T5 Gb (Ta -55°C to +65°C) Ex db IIC T6 Gb (Ta -55°C to +50°C)



IECEX Certificate of Conformity

Annex to Certificate No.:

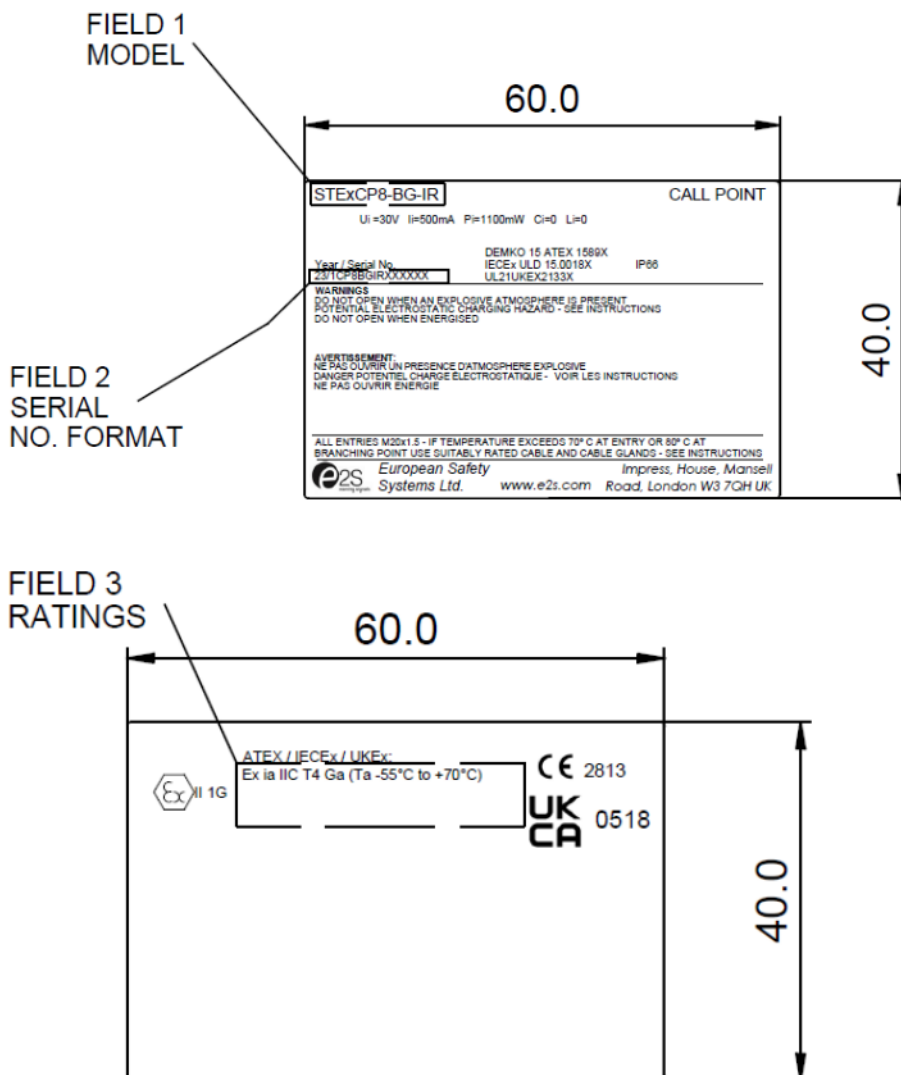
IECEX ULD 15.0018X

Issue No.: 4

Page 6 of 7

Intrinsic Safety models STExCP8-**-I and STExCP8-**-IR

Example of STExCP8-BG-IR, covers STExCP8-**-I and STExCP8-**-IR:



Temperature ratings may change depending upon marked model. Refer to D204-99-501-SC:



IECEX Certificate of Conformity

Annex to Certificate No.:

IECEX ULD 15.0018X

Issue No.: 4

Page 7 of 7

FIELD 1 MODEL	FIELD 2 SERIAL NO. FORMAT	FIELD 3 RATINGS
STExCP8-BG-I	YY/1CP8BGIXXXXXX	Ex ia IIC T6 Ga (Ta -55°C to +70°C)
STExCP8-PB-I	YY/1CP8PBIXXXXXX	Ex ia IIC T6 Ga (Ta -55°C to +70°C)
STExCP8-PT-I	YY/1CP8PTIXXXXXX	"
STExCP8-PM-I	YY/1CP8PMIXXXXXX	"
STExCP8-BG-IR	YY/1CP8BGIRXXXXX	Ex ia IIC T4 Ga (Ta -55°C to +70°C)
STExCP8-PB-IR	YY/1CP8PBIRXXXXX	Ex ia IIC T4 Ga (Ta -55°C to +70°C)
STExCP8-PT-IR	YY/1CP8PTIRXXXXX	"
STExCP8-PM-IR	YY/1CP8PMIRXXXXX	"

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.