1-27-120 / STEx: Stainless Steel explosion/flameproof

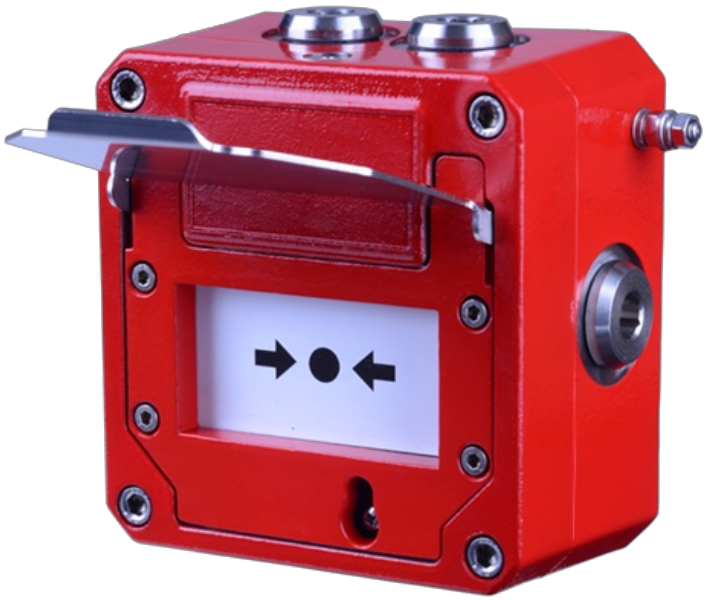
STExCP8-BG Break Glass Call Point

The explosion proof STExCP8-BG break glass manual call point, with a 316L stainless steel enclosure, is designed for the harshest of environments. Approved for Zone 1, 2 & Class I Div 2 hazardous areas for fire and gas alarm systems, ESD and process control.

Available with standard DIN rail terminals or the innovative E2S termination board providing dedicated connections for field installed EOL and/or series devices. The break glass element features a safety membrane and is designed to snap ensuring the no glass fragments are released during activation. A hammer is available as an accessory if required by local code. SIL 2 compliant to IEC 61508 (2010). DNV type approved for exposed locations.

Features

- Robust corrosion proof 316L stainless steel enclosure
- Epoxy powder coat paint finish
- Alternative housing colours available
- Ingress protection IP66/67
- Single or double switch
- Optional equipment tags and duty labels
- Optional stainless steel lift flap
- 2 × 316 Stainless steel stopping plugs included
- 3 x M20 cable entries
- Test key facility
- Break glass hammer accessory available
- DNV type approved IEC 60945 & DNVGL-CG-0339
- Available with addressable modules
- Optional LED indicator



Approvals

- UL/cUL certificate: UL-US-2400489-1
- IECEx certificate: IECEx ULD 15.0018X
- ATEX certificate: DEMKO 15 ATEX 1589X
- UKCA certificate: UL21UKEX2133X
- TR-CU Ex EAC certificate: RU C-GB.HA65.B.01254_21
- PESO CCOE certified: P471509
- INMETRO IEx 20.0051X
- SIL 2 compliant to IEC 61508 (2010)

Coding

- NEC Class / Zone
  Class I Zone 1 AEx db IIC T6 Gb Ta -55°C to +60°C
- CEC Class / Zone
  Ex db IIC T6 Gb Ta -55°C to +60°C
- NEC / CEC Class / Div
  Class I Div 2 Group ABCD T6 Ta -55°C to +60°C
- IECEx / ATEX
  II 2G Ex db IIC T6 Gb Ta. -55°C to +70°C (Single switch)
  II 2G Ex db IIC T5 Gb Ta. -55°C to +70°C (Dual switch)
  II 2G Ex db IIC T6 Gb Ta. -55°C to +60°C (Dual switch)
  Note: See manual for full coding for all product options



Specification

STExCP8-BG	Version: Break Glass Manual Call Point
Switch:	Sealed – IP67
Ingress protection:	EN/IEC 60529 – IP66/67/68
Enclosure matl:	316L Stainless Steel Paint finish to ISO 12944-6 CX, C5VH & C5H
Colour:	RAL3000 Red (others available on request)
Cable entries:	2 x M20x1.5 top and 1 x M20x1.5 side. Can be rotated to provide 2 x bottom and 1 x side entries
Stopping plugs:	2 × 316 Stainless Steel plugs as standard Brass and Nickel plated plugs optional
Terminals:	DIN rail 8 × 2.5mm² SAK2.5 or Termination board featuring 6 × 2.5mm² terminals plus 4 x dedicated EOL & Series terminals
Earth:	External M5 earth connection
Relative Humidity:	R.H. 95% @ 20°C
Test:	Test key facility
MTBF:	479.6 years / 4,201,680 hours - MIL 217
Weight:	4.2Kg/9.26lbs

Voltage Range:	Max input Current:	Limitations for EOL / Series Resistors:
250Vac Max	5.0A max	not permitted
48Vdc Max	1.0A max	min. 2.2kOhm
24Vdc Max	3.0A max	min. 470 Ohm

EOL and Series Diode Values:

xxx:	Zener Value	Max. current supply permitted
3V3	3.3V Diode	230mA
4V7	4.7V Diode	162mA
5V1	5.1V Diode	149mA
5V6	5.6V Diode	136mA
6V2	6.2V Diode	122mA
6V8	6.8V Diode	112mA
10V	10V Diode	76mA
12V	12V Diode	63mA

Spares:

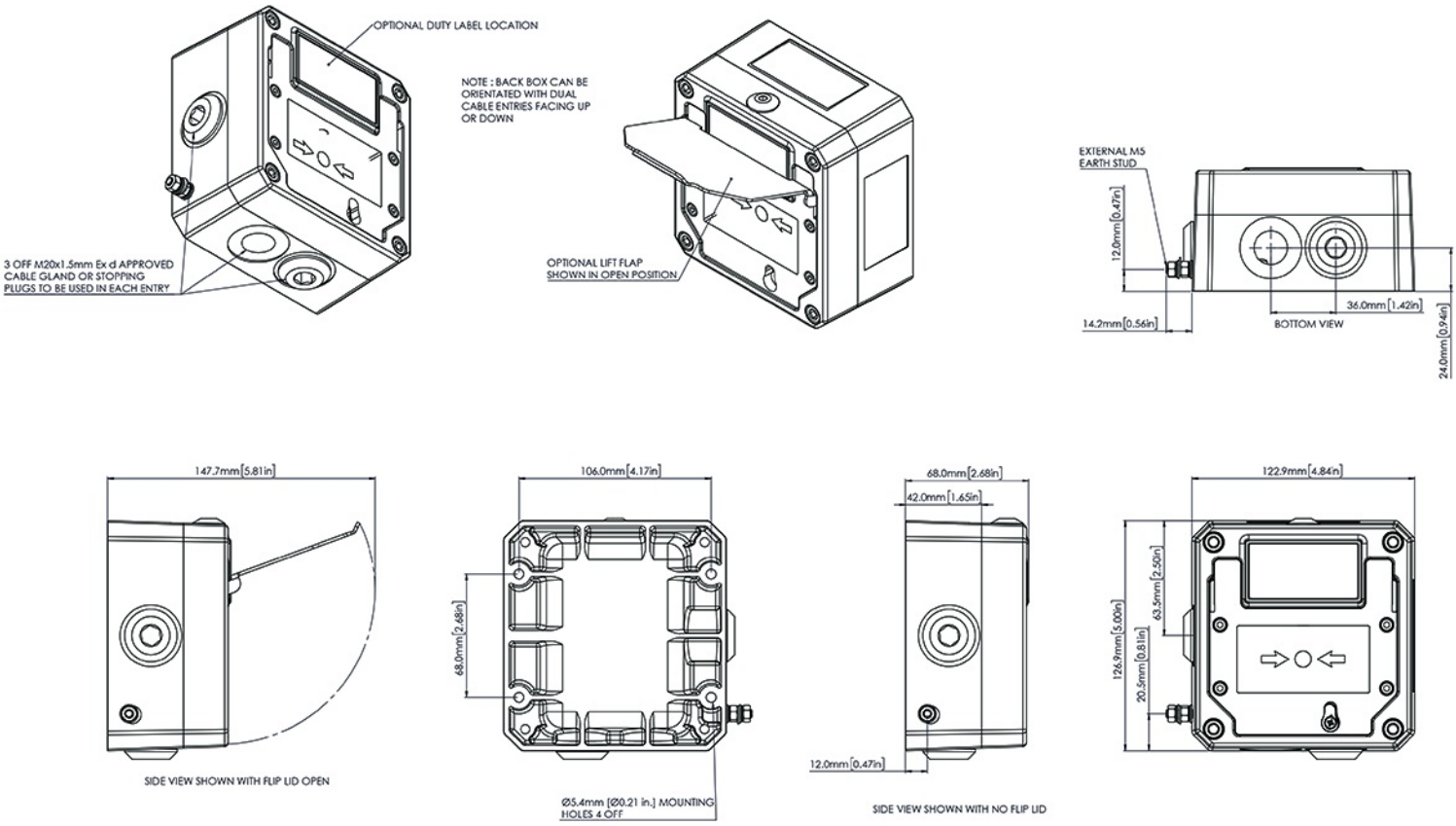
SP70-0001	Replacement break glass elements (Pack of 50)
SP70-0040	STxCP8-BG Test Key

Accessories:

SP65-0001-A4	Pole Mount Bracket Kit St/St A4 (316)
SP65-0002-A4	Sunshade – St/St A4 (316)
SP70-0065	Break glass hammer with chain

Part Codes

Version:	Part reference:	Description:
Product type:	STExCP8BG	Break Glass Manual Call Point
Switch type: [s]	S	SPCO/SPDT
	D	DPCO/DPDT
Terminals: [t]	D	DIN Rail 8 × SAK2.5
	X	Addressable module – select below
	P	Termination board: 6 × 2.5mm² terminals plus 4 × EOL & Series terminals
Lift flap: [l]	L	Lift flap
	N	No lift flap
Cable entries:[e]	A	3 x M20x1.5mm
	B	2 × 1/2" NPT – adaptors
	C	2 × 3/4" NPT – adaptors
	D	2 x M25x1.5mm – adaptors
	E	1 × 1/2" NPT – adaptor
	F	1 × 3/4" NPT – adaptor
	G	1 x M25x1.5mm – adaptor
Stopping plug/ adaptor material: [m]	S	Stainless Steel
Duty label/Equipment tag: [d]:	1	No Duty label, no Equip. tag
	2	Duty label Stainless Steel
	3	Duty label St/St + Equip. tag
	4	Duty label Metalised Polyester
	5	Duty label M. Poly. + Equip. tag
	6	Equip. tag only
	7	Special label requirement
Product version: [v]	A	UL, IECEx, ATEX, DNV, Ex EAC, INMETRO, PESO
	H	Honeywell TC809B1008 module*
	Z	Ziton A45E-2 module*
	M	Johnson Controls MIM800 module*
	C	Hochiki CHQ-CP2 monito*
	P	Apollo XP95 mini module*
	E	Consilium IC10 module*
	S	Siemens XTRI-M module*
	D	Securiton SDI 82X-I module*
	L	Simplex 4090-9051 Supervised IAM*
	NOTE:	* Versions with addressable modules do not include UL approval
Product option: [o]	1	Standard product
	W	Alternate EOL & series wiring
	2	Duplicated EOL and/or series devices
	Y	Duplicated EOL and series – alternate wiring
	P	Parallel wiring with or without EOL/series
	V	Parallel with EOL and series alternate wiring
	Note:	Duplicated EOL/series and Parallel wiring only available with switch type 'D'
Enclosure colour: [x]	R	Red
	B	Blue
	N	Green
	Y	Yellow
	V	Red/White
	S	Yellow/Black
	K	Black
	M	Magenta
	Z	Red/Black
LED indicator: [u]	N	No LED required
	L	LED with 1.5K ballast resistor
	C	LED without ballast resistor
E.O.L.Module: [e] optional	ExxxR	Resistor value in Ohms e.g. E470R = 470 Ohm
	ED1	Diode IN4007 = ED1
	ExxxZ	Zener diode e.g. E5V1Z = 5.1V
Series Module: [s] optional	SxxxR	Resistor value in Ohms e.g. S1K5R = 1.5K Ohm
	SD1	Diode IN4007 = SD1



Note

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