

STExCP8-BG-I IS Break Glass Call Point

The intrinsically safe STExCP8-BG-I break glass manual call point, with a 316L stainless steel enclosure, is designed for the harshest of environments. Approved for Class I Div 1 and Zone 0 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 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. SIL2 compliant to IEC 61508 (2010). DNV type approved for exposed locations.

Features

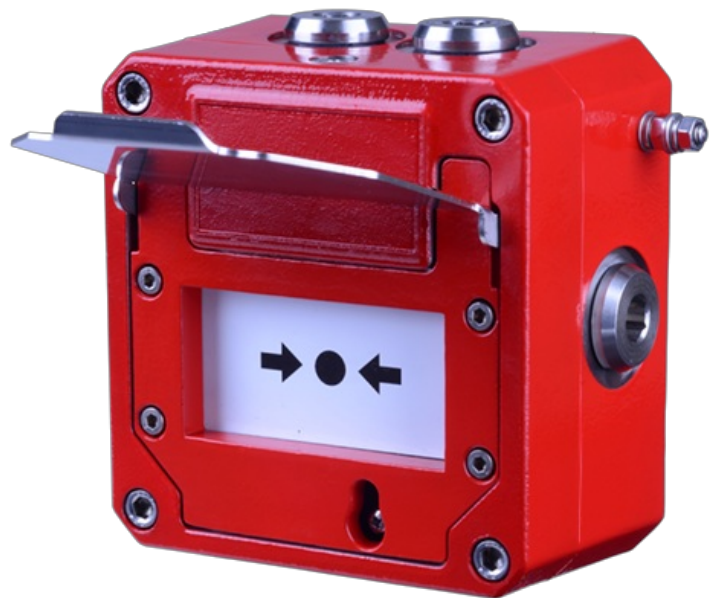
- Robust corrosion proof 316L stainless steel enclosure
- Epoxy powder coat paint finish
- Alternative housing colours are available to meet specific requirements
- Ingress protection IP66/67
- Single or double switch
- Optional equipment tags and duty labels
- Optional stainless steel lift flap
- 2 × 316 Stainless steel stopping plugs included
- 3 × M20 cable entries
- Stainless steel fasteners
- Test key facility
- Break glass hammer accessory available
- Optional LED indicator

Approvals

- UL/cUL cert: UL-US2400489-1
- IECEx cert: IECEx ULD 15.0018X
- ATEX cert: DEMKO 15 ATEX 1589X
- UKCA cert: UL21UKEX2133X
- SIL 2 compliant to IEC 61508 (2010)

Coding

- NEC Class / Zone
Class I Zone 0 AEx ia IIC T6 Ga Ta -55°C to +70°C
 - CEC Class / Zone
Ex ia IIC T6 Ga Ta -55°C to +70°C
 - NEC / CEC Class / Div
Class I Div 1 Group ABCD T6 Ta -55°C to +70°C
 - IECEx / ATEX
II 1G Ex ia IIC T6 Ga Ta -55°C to +70°C
- Note: All rated to T4 with EOL, series and/or LED.



Specification

STExCP8-BG-I		Version: IS 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. Back box can be rotated to give 2 x bottom and 1 x side entries	
Stopping plugs:	2 x 316 Stainless Steel plugs as standard Brass and Nickel plated plugs optional	
Terminals:	DIN rail 8 x 2.5mm ² SAK2.5 or Termination board featuring 6 x 2.5mm ² 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 I- MIL 217	
Weight:	4.2Kg/9.26lbs	
Supply voltage:	24Vdc Nominal 30Vdc Maximum via barriers	
Input safety parameters:	Ui	30V
	Ii	500mA
	Pi	1100mW
	Ci	0
	Li	0
Component:	Value:	Max current:
End-of-Line Resistor	min. 470R / 2W or min. 2k2 / 0.5W	n/a – limited by barrier
	5% Max. tolerance. Min. size: Ø3.5 x 9.0mm 2W or Ø2.6 x 6.8mm 0.5W	
End-of-Line Diode	2W	59.13mA – limited by system
	Type 1N5401. Min. size: Ø4.8 x 7.2mm	
Series Resistor	min. 470R / 2W or min. 2k2 / 0.5W	n/a – limited by barrier
	5% Max. tolerance. Min. size: Ø3.5 x 9.0mm 2W or Ø2.6 x 6.8mm 0.5W	
Series Diode	2W	59.13mA – limited by system
	Type 1N5401. Min. size: Ø4.8 x 7.2mm	
Series Zener Diode	3V3	230mA – limited by system
	4V7	162mA – limited by system
Type 1N53xxB Ø3.3 x 8.4mm	5V1	149mA – limited by system
	5V6	136mA – limited by system
Min component size	6V2	122mA – limited by system
	6V8	112mA – limited by system
	10V	76mA – limited by system
	12V	63mA – limited by system
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	IS Break Glass Manual Call Point
Switch type: [s]	S	SPCO/SPDT
	D	DPCO/DPDT
Terminals: [t]	D	DIN Rail 8 x SAK2.5
	P	PCBA termination: 6 x 2.5mm ² plus 4 x EOL & Series terminals NOTE: D option only available if no EOL, series or LED are required P option only available if EOL, series or LED are required to be factor fitted or installed during installation
Lift flap: [l]	L	Lift flap
	N	No lift flap
Cable entries:[e]	A	3 x M20x1.5mm
	B	2 x 1/2" NPT – adaptors
	C	2 x 3/4" NPT – adaptors
	D	2 x M25x1.5mm – adaptors
	E	1 x 1/2" NPT – adaptor
	F	1 x 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:	I	UL, cUL, IECEx, ATEX, DNV [v]
Product option: [o]	1	Standard product
	R	With EOL, series and/or LED devices
	W	Alternate EOL wiring
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 1N4007 = 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 1N4007 = SD1
	SxxxZ	Zener diode e.g. S5V1Z = 5.1V

