

# STExCP8-PB-I IS Push Button Call Point

**The intrinsically safe STExCP8-PB-I latching, dual action, twist and push button manual call point, featuring 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 plus emergency shutdown and process control applications. Available with standard DIN rail terminals or the innovative E2S termination board providing dedicated connections for EOL and/or series devices. 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
- 2 x 316 Stainless steel stopping plugs included
- 3 x M20 cable entries
- Stainless steel fasteners
- Optional LED indicator

## Approvals

- UL/cUL cert: UL-US-2400489-1
- 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

<b>STExCP8-PB-I</b>	Version: IS Dual Action Push Button	
Switch:	Sealed - IP67	
Ingress protection:	EN/IEC 60529 - IP66/67/68	
Enclosure matl:	316L Stainless Steel	
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 <sup>2</sup> SAK2.5 or Termination board featuring 6 x 2.5mm <sup>2</sup> terminals plus 4 x dedicated EOL & Series terminals	
Earth:	External M5 earth connection	
Relative Humidity:	R.H. 95% @ 20°C	
MTBF:	479.6 years / 4,201,680 hours I- MIL 217	
Weight:	4.6Kg/10.14lbs	
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 1N53xB 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

<b>Version:</b>	<b>Part reference:</b>	<b>Description:</b>
Product type:	STExCP8PB	IS Dual action latching push button with manual reset
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 <sup>2</sup> 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]	N	Not available
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: [v]	I	UL, cUL, IECEx, ATEX, DNV
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 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
	SxxxZ	Zener diode e.g. S5V1Z = 5.1V

