BExCP3A-PB/BExCP3B-PB Push Button Call Point

The BExCP3A-PB and BExCP3B-PB push button manual call points are approved for Zone 1, 2, 21 and 22 hazardous areas for the control of fire and gas alarm systems. Available with and without monitoring resistors all versions are certified to ATEX and IECEx standards.

The push button mechanism is protected by a spring loaded cover therefore the switch requires a two-action activation. The product is user resettable by rotating the push button.

The BEx range features enclosures manufactured from corrosion proof, marine grade, copper free LM6 (A413) aluminium which is phosphated and powder coated.

Options

- Alternative housing colours are available to meet specific requirements.
- DIN rail mounted terminal blocks: 8 x 2.5mm^2
- Metalised Polyester "Duty" label.
- Series and/or End of Line resistors.

Approvals

- ATEX certificate: Sira 09ATEX3286X,
  IEC 60079-0:2007 Ed 5, EN 60079-1:2004,
  EN 60079-7:2007, IEC 60079-18:2009 Ed 3,
  EN 61241-1:2004

- IECEx certificate: IECEx SIR 09.0121X,
  IEC 60079-0:2007-10 Edition: 5,
  IEC 60079-1:2003 Edition: 5,
  IEC 60079-18:2009 Edition: 3,
  IEC 60079-7:2006-07 Edition: 4,
  IEC 61241-1:2004 Edition: 1

- Inmetro certificate: 10-IEx-0011X

- GOST-R certificate: POCC GB.JB05.B03365

Specification

BExCP3A-PB:	II 2G Ex e d IIC T6 Gb II 2D Ex t IIIC T60°C Db IP66
BExCP3B-PB:	II 2G Ex e d mb IIC T4 Gb II 2D Ex t IIIC T70°C Db IP66
Ambient:	Ta = -40°C to +55°C [-40° to +131°F] (+50°C for BExCP3B)
Ingress protection:	IP66
Housing material:	Marine grade copper free LM6 Aluminium
Housing finish:	Phosphated & powder coated finish: anti-corrosion.
Colour:	RAL3000 RZVed (others available on request)
Cable entries:	2 x M20 clearance top and 1 x M20 clearance side. Back box can be rotated to give 2 x bottom and 1 x side entries.
Stopping plugs:	2 x Ex e nylon plugs as standard Brass and stainless steel plugs optional
Terminals:	6 x 4.0mm² cables.

Part Codes

Option:	Code:	Description:
Type:	BExCP3A-PB	A type - no end of line devices
	BExCP3B-PB	B type - choice of end of line devices
Terminals:	ST	ST: Standard
	DR	DR: DIN rail (only on BExCP3B type)
Duty label:	NL	No duty label
	DL	Duty label required - specify contents
Colour:	RD	Red enclosure colour
	XX	Other enclosure colour - contact sales
Voltage:	48V	System voltage (only required for BExCP3B type)
	24V	
	12V	
	6V	
E.O.L. Resistor:	ExxxR	Resistor value in Ohms e.g. E470R = 470 Ohm (only required for BExCP3B type)
Series Resistor:	SxxxR	Resistor value in Ohms e.g. E1K5R = 1.5K Ohm (only required for BExCP3B type)

e.g. BExCP3A-PB-ST-LF-NL-RD

BExCP3A Push Button call point with standard terminals and no duty label. Red housing

e.g. BExCP3B-PB-DR-NF-NL-RD-24V-E470R

BExCP3B Push Button call point with DIN rail terminals, no duty label, 24V supply with a 470 Ohm end of line resistor. Red housing.

Versions

Version:	Voltage:	Switch:	Terminals:	Cable entries:
BExCP3A-PB	250V ac Max. 50V dc Max.	5.0A Max. 1.0A Max.	6 x 4mm²	2 x M20 Top/Bottom 1 x M20 Left/Right

Coding:	II 2G Ex e d IIC T6 Gb Ta = -40°C to +55°C II 2D Ex t IIIC T60°C Db IP66

Version:	Nom./Max. Voltage:	Switch:	Terminals:	Cable entries:	Min. EOL / Series Value:
BExCP3B-PB	48V/56V 24V/28V 12V/15V 6V/9V	56V dc Max. Rating: <50V: 1.0A >50V: 0.75A	6 x 4mm² or 8 x 2.5mm² DIN rail	2 x M20 Top/Bottom 1 x M20 Left/Right	1K8 470R 120R 47R

Coding:	II 2G Ex e d mb IIC T4 Gb Ta = -40°C to +50°C II 2D Ex t IIIC T70°C Db IP66

15 Dec 2014