

GNE_xCP6-PB Push Button Manual Call Point

The flameproof GNE_xCP6-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. The robust, lightweight GRP enclosure is UV stable and provides a corrosion free solution for initiation in harsh and hazardous applications on and offshore.

Available with optional EOL or series resistors, diode or Zener diodes and an LED indicator. Also available with either single or double pole change over switches. Certified to IECEx and ATEX standards with additional PESO, INMETRO and Ex EAC approvals. The push button mechanism is protected by a spring loaded cover therefore the switch requires a two-action activation. The GNE_xCP6-PB is user re-settable by rotating the push button.

Features

- Alternative housing colours are available to meet specific requirements
- Single or double pole c/o switch
- DIN rail mounted terminal blocks: 8 × 2.5mm²
- Metalised polyester or stainless steel “Duty” label
- Series and/or End of Line resistors, diodes & Zener diodes
- Optional Indicator LED

Approvals

- ATEX certificate: Sira 09ATEX3286X
- IECEx certificate: IECEx SIR 09.0121X
- SIL 2 certified to IEC 61508 (2010)
- Ex EAC TR CU 012/2011 certified: KZ.1510019.22.01.00271
- PESO CCOE certified: P471504
- INMETRO certificate: IEx_10.0011X
- ECAS Ex 20-06-14792/E20-06-002576/NB0007

Coding

- GNE_xCP6A-PB:
II 2G Ex db eb IIC T6 Gb Ta = -40°C to +75°C
II 2D Ex tb IIIC T75°C Db IP66
- GNE_xCP6B-PB:
II 2G Ex db eb mb IIC T4 Gb Ta = -40°C to +50°C
II 2D Ex tb IIIC T80°C Db IP66
- GNE_xCP6C-PB:
II 2G Ex db eb mb IIC T4 Gb Ta = -40°C to +65°C
II 2D Ex tb IIIC T75°C Db IP66



Specification

GNExCPA-PB: A version

Coding: II 2G Ex db eb IIC T6 Gb Ta = -40°C to +75°C
II 2D Ex tb IIIC T75°C Db IP66

Switch rating: 250V ac max. current 5.0A
250V dc max. current 0.25A
125V dc max. current 0.5A
75V dc max. current 0.75A
50V dc max. current 1.0A
30V dc max. current 5.0A max resistive, 3.0A inductive
12V dc max. current 5.0A

GNExCPB-PB: B version

Coding: II 2G Ex db eb mb IIC T4 Gb Ta = -40°C to +50°C
II 2D Ex tb IIIC T80°C Db IP66

Switch rating: 48Vdc nom. 56Vdc max. 0.75A max.
24Vdc nom. 28Vdc max. 5.0A max. resistive, 3.0A inductive
12Vdc nom. 15Vdc max. 5.0A max.
6Vdc nom. 9Vdc max. 5.0A max.

Min. resistor (2W): 48V = 1K8, 24V = 470R
12V = 120R, 6V = 47R

LED Optional LED indicator assembly

GNExCPC-PB: C version

Coding: II 2G Ex db eb mb IIC T4 Gb Ta = -40°C to +65°C
II 2D Ex tb IIIC T75°C Db IP66

Switch rating: 125V dc max. current 0.5A resistive, 0.03A inductive
75V dc max. current 0.75A
48V dc max. current 1.0A
24V dc max. current 5.0A max resistive, 3.0A inductive
12V dc max. current 5.0A
6V dc max. current 5A

Min. resistor (1.5W): 48V = 1K8, 24V = 430R
12V = 110R, 6V = 27R

Resistors (Current limited): 48V < 1K8 max. current: 31mA
24V < 430R max. current = 62mA
12V < 110R max. current: 125mA
6V < 27R max. current = 250mA

LED Optional LED indicator assembly with or without current limiting resistor

General:

Ambient: Ta = -40°C to +75°C [-40° to +167°F]
(+50°C for BExCP3B, +65°C for BExCP3C)

Switch: Sealed - IP67

Ingress protection: IP66

Enclosure material: GRP - Glass Reinforced Polyester

Colour: RAL3000 Red (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
Adapters available to 1/2"NPT, 3/4"NPT or M25

Stopping plugs: 2 x Nylon plugs as standard
Brass, nickel plated or stainless steel plugs optional

Terminals: 6 x 4.0mm² cables or or 8 x 2.5mm² DINrail

Relative Humidity: R.H. 95% @ 20°C

MTBF: 1,079.94 years / 9,433,962 hours I- MIL 217

Weight: 1.3Kg/2.86lbs

Part Codes

Version:	Part code variable:	Description:
Type:	GNExCP6APB	Type A: no end of line devices Ta -40°C to GNExCP6BPB+75°C GNExCP6CPB
	Type B:	end of line devices Ta -40°C to +50°C
	Type C:	end of line devices Ta -40°C to +65°C
Switch Type: [s]	S	SPCO/SPDT
	D	DPCO/DPDT
Terminals: [t]	D	DIN Rail 8 x SAK2.5
	S	6 x 4mm ² terminals Please note: 6x4mm ² terminals cannot be selected if a DPCO switch configuration with either a Series or EOL & Series device are required.
Lift flap: [l]	L	Lift flap supplied as standard
Cable Entry Type: [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 material: [m]	B	Brass
	N	Nylon
	P	Nickel Plated Brass
	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	IECEX, ATEX, EAC, INMETRO, PESO approved
Product option: [o]	1	Standard product
	W	Alternative wiring option Config. 4 or 8 (B or C version only)
	P	Dual switch parallel wiring (B or C version only)
	V	Dual switch parallel alt. wiring Config. 20 (B or C version only)
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 indicator - Default: N for A versions
	L	LED indicator (GNExCP6B or C versions only)
	C	LED indicator (GNExCP6C versions only) max. current: 20mA
Voltage: [v]	48, 24, 12, 6	System voltage in Vdc (only required for GNExCP6B or C type)
E.O.L.Module: [e]	ExxxR	Resistor value in Ohms e.g. E470R = 470 Ohm
optional only for GNExCP6B or C type	ED1	Diode IN4007 = ED1
	ExxxZ	Zener diode e.g. E5V1Z = 5.1V
Series Module: [s]	SxxxR	Resistor value in Ohms e.g. S1K5R = 1.5K Ohm
optional only for GNExCP6B or C type	SD1	Diode IN4007 = SD1
	SxxxZ	Zener diode e.g. S5V1Z = 5.1V

Accessories: SP65-0001-A4 Pole Mount Bracket Kit St/St A4 (316)

