

# Visual Signals EXPLOSION PROOF Stainless Steel PUSH BUTTON

## Explosion Proof Push Button > Stainless Steel PB125 Series

## Product overview

The PB125 push button range has been approved for use in potentially explosive atmospheres and harsh environmental conditions.

Typical applications are Oil and Gas, On-shore and Offshore, Chemical, Petrochemical, Refineries & Marine locations etc. It is compatible for use with a PLC, DCS and ESD systems via 4-20mA output. It is ideally suited for use in fire alarm systems and an addressable option with diode fitted is available.

The unit has the option for either a key reset or self reset. The range also offers an additional visual LED indication option; red, green (or both) can be fitted. When fault or alarm status arises the green LED will be overridden by the red LED. The design allows for termination inside the unit.

### Features/Certifications

- Approved by ATEX, IECEx
- CQST (Available on request only)
- INMETRO (Pending)
- ATEX: II 2G Exd IIC T4 T6 (incorporating IIA & IIB)
- Zones 1, 2, 21 & 22
- Conforms to EN (IEC) 60079-0 EN (IEC) 60079-1 and EN54
- Dustproof & Weatherproof

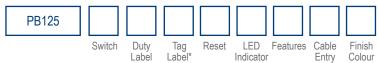
## PB125 Series > Ordering Information

Follow the chart (right) to generate your part code.

	Switch	Duty Label	Tag Label*	Reset	LED Indicator	Features	Cable Entry	Finish Colour
+	S	Y	Y	S	L = Red & Green	F = Lift Flap	A 1400	RD = Red
	Single Switch	Yes	Yes	= Self Reset	R = Red	R = Resistor (specify)	A = M20	YW = Yellow
	D = Double Switch	N = No	N = No	K = Key Reset	G = Green	D = Diode (specify)	B = M25	BU = Blue
								BL = Black
					N = No LED	N = No Features		OR = Other

<sup>\*</sup> These accessories need to be ordered separately.

MODEL CONFIGURATOR (By using the table above, complete this box sequence to select your required push button).



PB125

\* These accessories need to be ordered separately.

Note: All customers orders will be confirmed in writing. Care should be taken that the correct code has been ordered as be-spoke manufactured products cannot be returned for exchange or credit later.

Kg 4.9



IP 66













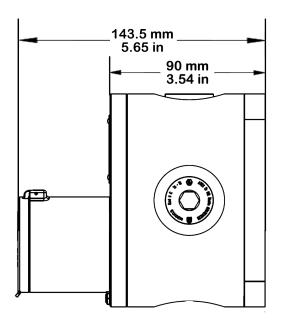


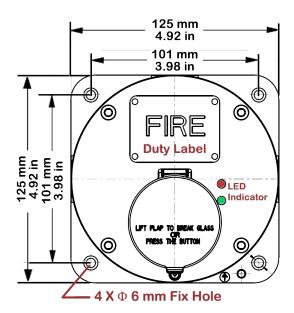












## Explosion Proof Push Button > Stainless Steel PB125 Series

### General Information

EX CODE: Exd IIC T4 - T6
CERTIFICATION: ATEX. IECEX

CQST (Available on request only)

TYPE: Push Button

**Mechanical Specifications** 

MATERIAL: Enclosure: Stainless Steel 316
ENCLOSURE COLOUR: Red (RAL3001), Yellow (RAL1003)

Blue (RAL5005), Black (RAL9004)

AMBIENT TEMPERATURE: -40 to +70HUMIDITY:  $\leq 95\% \text{ RH}$ WEIGHT: 4.9 Kg / 10.8 lb

DIMENSIONS: Width/Length: 125mm / 4.92" Height: 143mm / 5.65"

INGRESS PROTECTION: IP 66

**Electrical Specifications** 

SWITCH RATING: 30v Dc: 6A (Resistive), 6A (Inductive)

250v Ac: 11A (Resistive), 6A (Inductive)

OUTPUT: On-Off Output (NC/NO)

TERMINATION: Accepts upto ≤ 2.5mm² incorporating rising clamp protectors

CABLE ENTRY: 4 x M20 or M25.

For 1/2" or 3/4"NPT requirements, male/female adapter glands are available. Contact sales dept for further part codes.

#### Spareparts & Accessories

50210: M20 E1EX Stainless Steel Gland

(Multi Armour Cone) Atex Cat 2 & 3,

EExde IIC 2 GD Cable ID 11 - 15.5mm OD 14.5 - 21mm

Gland for Multi Armoured Cable \*

50211: M20 A2EX Stainless Steel Gland

Atex Cat 2 & 3, EExde IIC 2 GD Cable OD 11 - 15.5mm
Gland for Unarmoured Cable \*

50212: M20 E1EX-QS Stainless Steel Gland

(Ex d IIC, Ex e IIC, Ex nR IIC, Ex tb IIIC)

Cable OD 14.5 - 20.5mm

Barrier Gland for Steel and
Aluminium Armoured Cable \*

50213: M20 A2EX Quick Stop

Stainless Steel Gland

(Ex d IIC, Ex nR IIC, Ex tb IIC)

Cable OD 9 - 15mm

Barrier Gland for Unarmoured Cable \*

50214: M20 Stainless Steel Stopping Plug

Atex EExde I/IIC

Standard M20 Blanking Plug

50221: Epoxy Minute Adhesive 24m/l tube

One tube sufficient for five barrier glands

\* 15mm Thread length for Stainless Steel products

Note: M25 options available for the above