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)
- 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.

PB125 +	Switch	Duty Label	Tag Label	Reset	LED Indicator	Features	Cable Entry	Finish Colour
	S = Single Switch	**Y** = Yes	**Y** = Yes	**S** = Self Reset	**L** = Red & Green	**F** = Lift Flap	**A** = M20	**RD** = Red
						R = Resistor (specify)		**YW** = Yellow
					R = Red			**BU** = Blue
	D = Double Switch	**N** = No	**N** = No	**K** = Key Reset	**G** = Green	**D** = Diode (specify)	**B** = M25	**BL** = Black
					N = No LED	**N** = No Features		**OR** = Other

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

PB125								
	Switch	Duty Label	Tag Label	Reset	LED Indicator	Features	Cable Entry	Finish Colour

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.
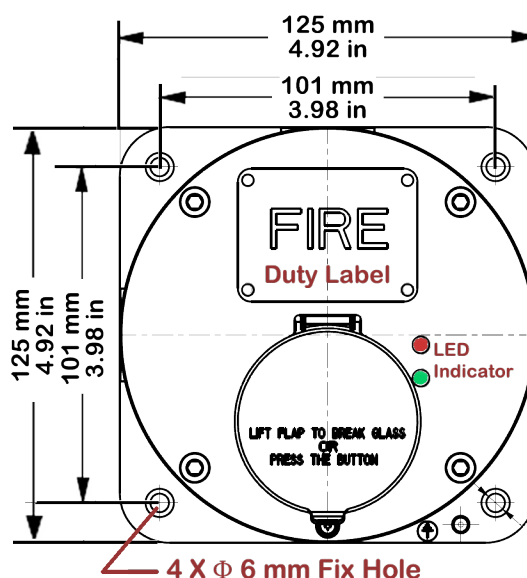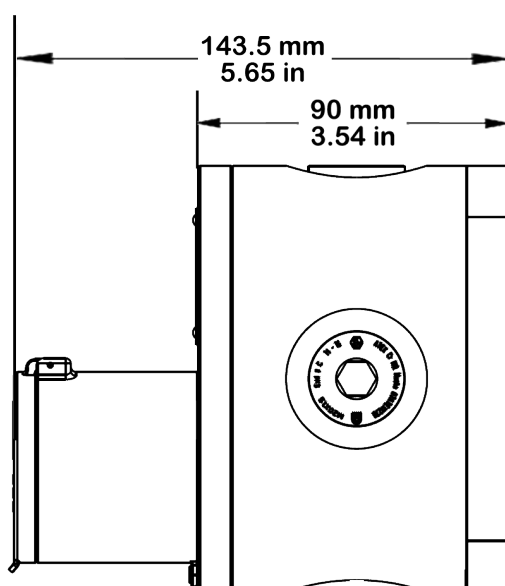
Kg 4.9	**°C** -40+70	**IP** 66	**INDUSTRIAL**	**MARINE**	**FIRE**

STAINLESS STEEL

APPROVALS and CONFORMITIES

143.5 mm
5.65 in

90 mm
3.54 in

FIRE
Duty Label

125 mm
4.92 in

101 mm
3.98 in

125 mm
4.92 in

101 mm
3.98 in

LED
Indicator

LIFT FLAP TO BREAK GLASS
OR
PRESS THE BUTTON

4 X Φ 6 mm Fix Hole

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General Information

EX CODE:	Exd IIC T4 - T6
CERTIFICATION:	ATEX (Nemko 14 5426X), IECEx (NEM 14.0012X)
	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 +70
HUMIDITY:	≤ 95% 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 ≤ 2.5mm^2 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.

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**