

## DATASHEET - PB 135 Ex PUSH BUTTON

## AUDIBLE & VISUAL SIGNALLING EQUIPMENT



**DESCRIPTION** PB 135 Ex Push Button was designed according to EN (IEC) 60079-0, EN (IEC) 60079-1 and EN 54 standards. This product is ATEX and CQST certified. It especially applies to Oil & Gas, Chemical, Petrochemical, Refinery, Marine and Offshore Industries etc. for the high-corrosion and hazardous areas.

It is compatible with PLC, DCS and ESD system via 4-20 mA output. It is ideal to be used as an explosion-proof Manual Call Point for Fire Alarm System with Addressable Module fixed. Please make enquiry to Fire Alarm System Supplier for the model selection of Addressable Module.

The design of two LED indicators (Green and/or Red) is unique. During normal operation, the Green LED is on. When device fault or alarm status arises, the Green LED will be cut off and Red LED will be on.

The product finish is color is natural GRP material color with no painting. This makes the production process is more environmentally friendly. We provide colors of Red (Ral 3001), Yellow (Ral 1003), Blue (Ral 5005) and Black (Ral 9004) for customer's selection. Other colors are also available upon customer's request.

• ATEX, CQST, ABS • II 2G Exd IIB + H2 T6 • Zone I & 2 • Industrial Explosive Gas Environment • IP 66 • GRP Material • Natural GRP Finish Color with No Painting • Push Button Type • Self Reset or Key Reset • Lift Flap Available • Optional LED Indicator • Resistor and/or Diode can be Fixed • Compatible with PLC, DCS and ESD System • Standard: EN (IEC) 60079-0, EN (IEC) 60079-1, EN 54

## INTENDED USE

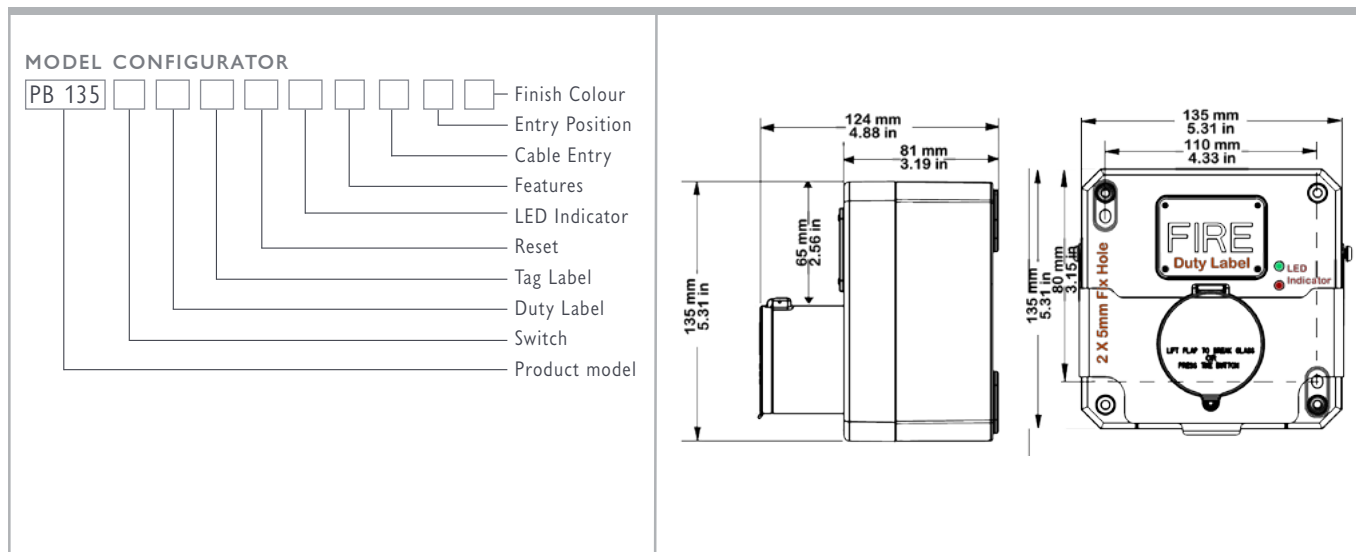


- zone 1 & 2
- zone 21 & 22 (pending)

## ORDER INFORMATION - PB 135 - EX PUSH BUTTON

| PRODUCT NUMBER | SWITCH                      | DUTY LABEL | TAG LABEL  | RESET             | LED INDICATOR                                                                                                                                                                                                                             | FEATURES                                                                                      | CABLE ENTRY                                                              | ENTRY POSITION                                | FINISH COLOUR                                                                                                                                                                                                                                                          |
|----------------|-----------------------------|------------|------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PB 135         | <b>S</b><br>= single switch | Y<br>= YES | Y<br>= YES | S<br>= SELF RESET | <div> <div> <div></div> <div></div> </div>           L = RED &amp; GREEN         </div> <div> <div></div>           R = RED         </div> <div> <div></div>           G = GREEN         </div> <div>           N = NO LED         </div> | F - lift flap<br><br>R - resistor (specify)<br><br>D - diode (specify)<br><br>N - no features | A - M20<br><br>B - M25<br><br>C - ½NPT<br><br>D - ¾NPT<br><br>O - Others | <b>T</b><br>= TOP<br><br><b>B</b><br>= BOTTOM | <div> <div></div>           RD= RED         </div> <div> <div></div>           BU= BLUE         </div> <div> <div></div>           YW= YELLOW         </div> <div> <div></div>           BL= BLACK         </div> <div> <div></div>           OR=OTHERS         </div> |

## ORDER INFORMATION &amp; DIMENSIONS - PB 135 - EX PUSH BUTTON



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## AUDIBLE & VISUAL SIGNALLING EQUIPMENT

### SPAREPARTS & ACCESSORIES

|                                       |             |                                        |           |
|---------------------------------------|-------------|----------------------------------------|-----------|
| M20 Stainless Steel Exd Blind Plug    | 55100110920 | M20 Stainless Steel Exd Cable Gland    | CG SM020X |
| M25 Stainless Steel Exd Blind Plug    | 55100110925 | M25 Stainless Steel Exd Cable Gland    | CG SM025X |
| 1/2NPT Stainless Steel Exd Blind Plug | 55100110821 | 1/2NPT Stainless Steel Exd Cable Gland | CG SN012X |
| 3/4NPT Stainless Steel Exd Blind Plug | 55100110843 | 3/4NPT Stainless Steel Exd Cable Gland | CG SN034X |

### TECHNICAL INFORMATION - PB 135 - EX PUSH BUTTON

|                                  |                                                                                                                                          |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| EX CODE                          | <ul style="list-style-type: none"> <li>Exd IIB+H2</li> </ul>                                                                             |
| AMBIENT TEMPERATURE              | <ul style="list-style-type: none"> <li>-40 to + 70° C</li> </ul>                                                                         |
| HUMIDITY                         | <ul style="list-style-type: none"> <li>≤ 95% RH</li> </ul>                                                                               |
| <b>MECHANICAL SPECIFICATION:</b> |                                                                                                                                          |
| MATERIAL                         | <ul style="list-style-type: none"> <li>Enclosure: GRP</li> </ul>                                                                         |
| FINISH COLOUR                    | <ul style="list-style-type: none"> <li>Red, Yellow, Blue, Black and Others (Specify)</li> </ul>                                          |
| INGRESS PROTECTION               | <ul style="list-style-type: none"> <li>IP 66</li> </ul>                                                                                  |
| WEIGHT                           | <ul style="list-style-type: none"> <li>1.5 kg / 3.31 lb</li> </ul>                                                                       |
| DIMENSIONS                       | <ul style="list-style-type: none"> <li>Length: 135 mm / 5.31" Width: 135 mm / 5.31" Height: 80.5 mm / 3.17"</li> </ul>                   |
| <b>ELECTRICAL SPECIFICATION:</b> |                                                                                                                                          |
| SWITCH RATING                    | <ul style="list-style-type: none"> <li>30V DC: 6A (Resistive), 6A (Inductive) 250V AC: IIA (Resistive), 6A (Inductive)</li> </ul>        |
| OUTPUT                           | <ul style="list-style-type: none"> <li>On-off Output (NC/NO)</li> </ul>                                                                  |
| TERMINAL                         | <ul style="list-style-type: none"> <li>≤ 2.5mm<sup>2</sup> Cable</li> </ul>                                                              |
| CABEL ENTRY                      | <ul style="list-style-type: none"> <li>2 x M20, M25, 1/2"NPT, 3/4"NPT or Others (Specify)</li> </ul>                                     |
| CERTIFICATION                    | <ul style="list-style-type: none"> <li>ATEX, IECEX(Pending), IMETRO (Pending), CQST II 2G Exd IIB + H2 T6<br/>ABS Certificate</li> </ul> |

#### INTENDED USE



- zone I & 2
- zone 21 & 22 (pending)