

# ATEX Pneumatic Preset Counter

## Pneumatic Counter 3 or 5 Digit Adding

### Technical information

|                            |   |
|----------------------------|---|
| <b>Pressure range:</b>     | 2 - 6 bar   |
| <b>Temperature range:</b>  | 0°C...+60°C   |
| <b>Medium Temperature:</b> | Maximum 30°C (compressed air temperature)                               |
| <b>Mounting:</b>           | Panel mount only, cut out 52 x 52mm                                     |
| <b>Count setting:</b>      | Via manual push buttons (Bottom of display)                             |
| <b>Mechanical life:</b>    | 30 x 10 <sup>6</sup>  |
| <b>Display:</b>            | 2 lines of 3 or 5 digits (W) 4mm or 3mm x (H) 4mm respectively.         |
| <b>Protection class:</b>   | IP40 when connected, higher protection with covers (front only)         |
| <b>Count frequency:</b>    | 5Hz (Non-pulse period must drop to 0.15 bar for a minimum of 12ms)      |
| <b>Count pulse length:</b> | 8ms minimum   |
| <b>Manual reset:</b>       | Front button reset  |
| <b>Pneumatic reset:</b>    | Pulse signal to port Y, min pulse length 180ms (1 reset per 2 secs max) |
| <b>Operating medium:</b>   | 5 micron filtered, dried and non-lubricated compressed air              |



| Description                      | Ports | Order code |
|----------------------------------|-------|------------|
| 3 digit adding pneumatic counter | M5    | 57.695.EX  |
| 5 digit adding pneumatic counter | M5    | 57.680.EX  |

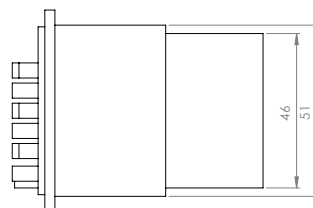
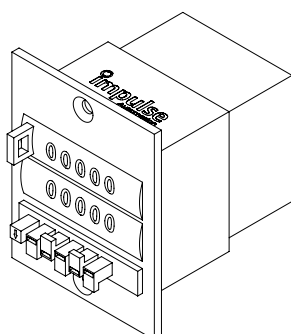
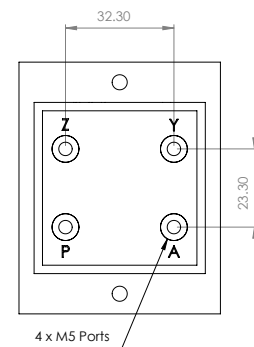
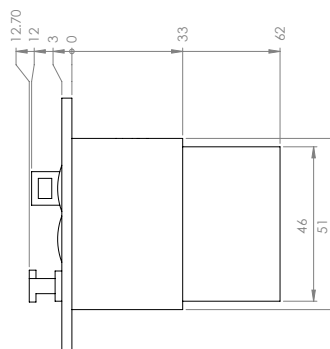
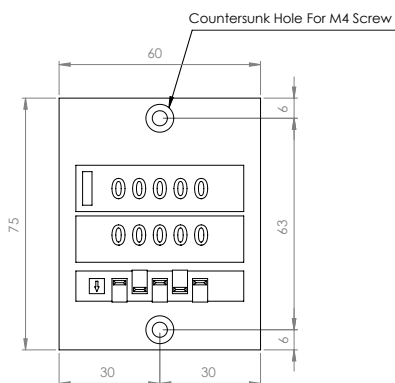
### Dimensional drawings

#### EX-CLASSIFICATION

Gas: Ex II 2G Ex h IIB T4 Gb (0°C ≤ Ta ≤ 60°C)  
 Dust: Ex II 2D Ex h IIIB T130°C Db (0°C ≤ Ta ≤ 60°C)  
 Mining: Ex I M2 Ex h I Mb (0°C < Ta < 60°C)

#### Note:

A minimum time period between the last count pulse and the pneumatic reset is 50ms.



Z = Count pulse input  
 Y = Pneumatic reset  
 P = Air intake  
 A = Output signal

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