

# ATEX Pneumatic Preset Counter

## Pneumatic Counter 3 or 5 Digit Subtracting

### 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>	1 line 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 subtracting pneumatic counter	M5	57.685.EX
5 digit subtracting pneumatic counter	M5	57.690.EX

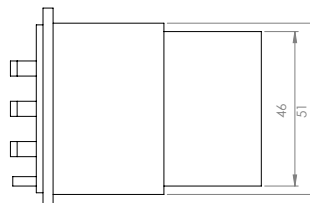
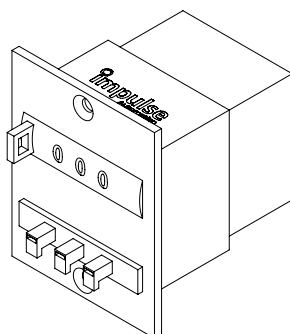
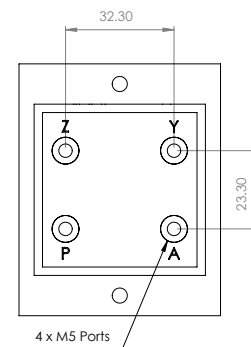
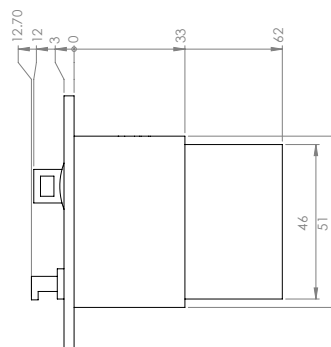
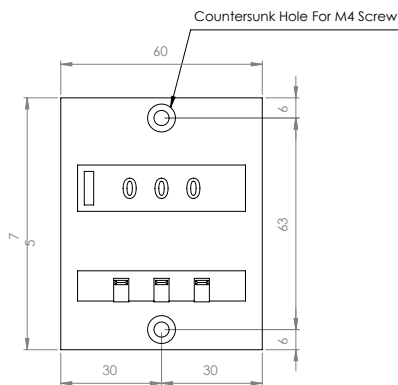
### Dimensional drawings

### 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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