

ATEX Pneumatic Preset Counter

Pneumatic Counter 3 or 5 Digit Subtracting

Technical information



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

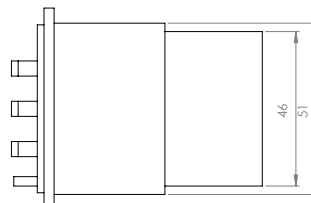
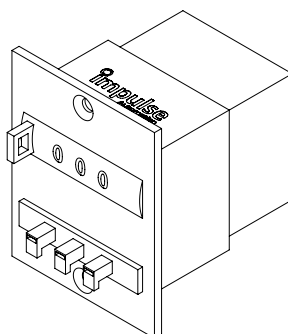
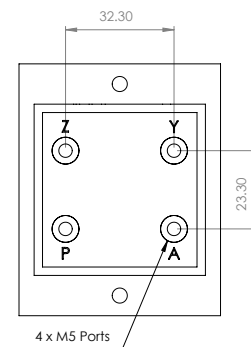
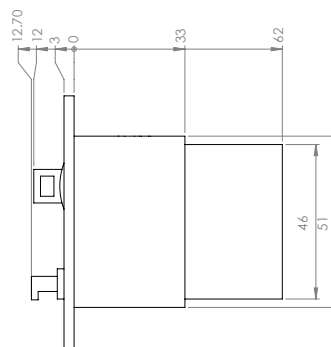
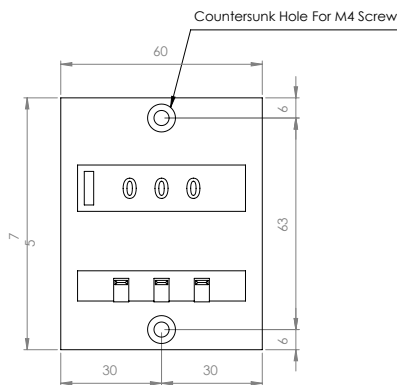
Dimensional drawings

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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