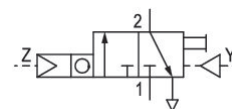


Pneumatic counters



Technical data

| | |
|------------------------------------|---|
| Industry | Industrial |
| Version | NC |
| Mounting orientation | Any |
| Medium | Compressed air |
| Max. particle size | 40 µm |
| Min. ambient temperature | 0 °C |
| Max. ambient temperature | 60 °C |
| Min. medium temperature | 0 °C |
| Max. medium temperature | 60 °C |
| Min. oil content of compressed air | 0 mg/m ³ |
| Max. oil content of compressed air | 1 mg/m ³ |
| Display | 3 digits |
| Logic function | Pneumatic/mechanic counter, subtracting |
| Return | Manually via a button Pneumatically |
| Compressed air connection input | M5 |
| Compressed air connection output | M5 |
| Min. working pressure | 2 bar |
| Max. working pressure | 8 bar |
| Pulse duration counting | > 8 ms |

Pneumatic presetting counter (subtracting)

2023-10-11

0821304020

| | |
|-------------------------|------------|
| Pulse duration return | > 180 ms |
| Pause duration counting | > 10 ms |
| Pause duration return | > 50 ms |
| Weight | 0.19 kg |
| Part No. | 0821304020 |

Technical information

The pressure dew point must be at least 15 °C less than ambient and medium temperature and may not exceed 3 °C.

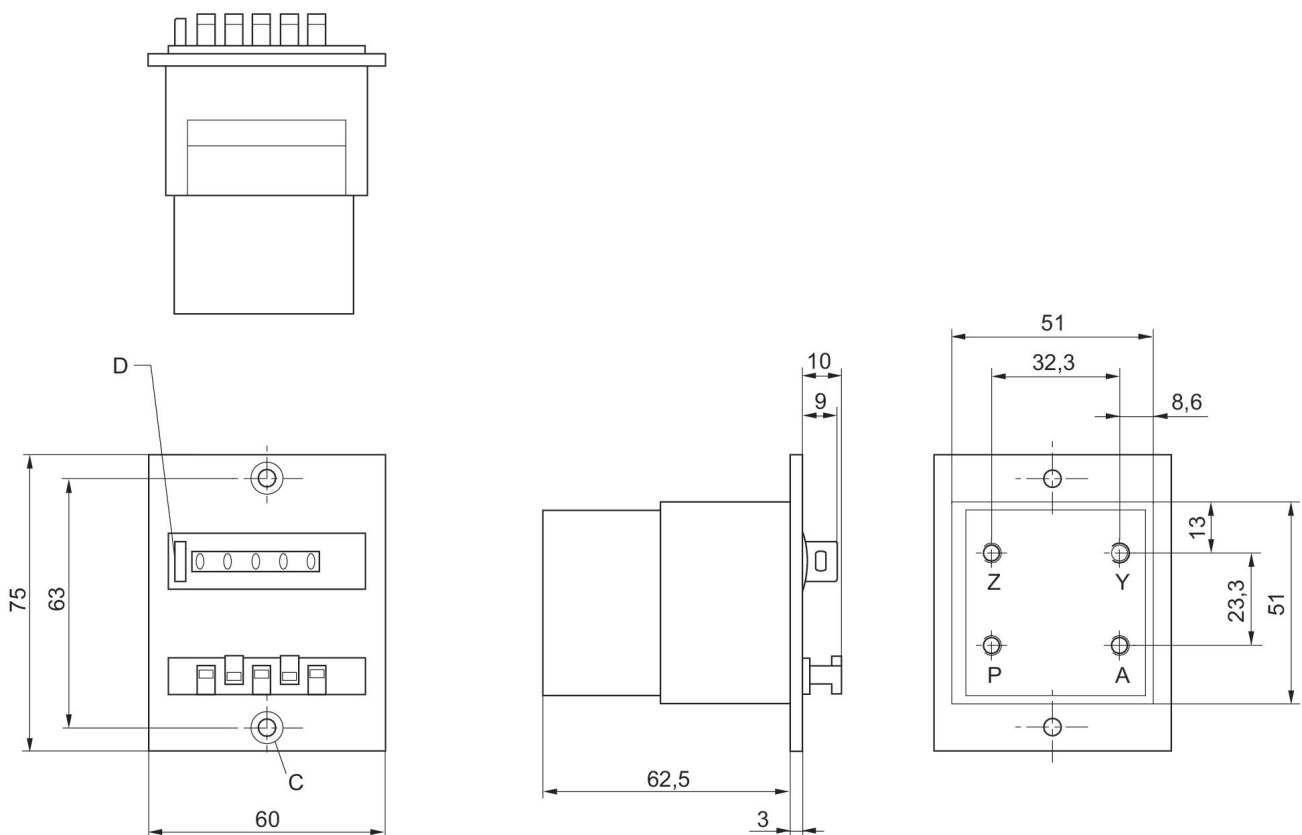
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C less than ambient and medium temperature and may not exceed 3 °C.

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in <https://www.emerson.com/en-us/support>).

Fig. 2



P (1) = compressed air connection
Z = counting signal
Y = return signal

Pneumatic presetting counter (subtracting)

2023-10-11

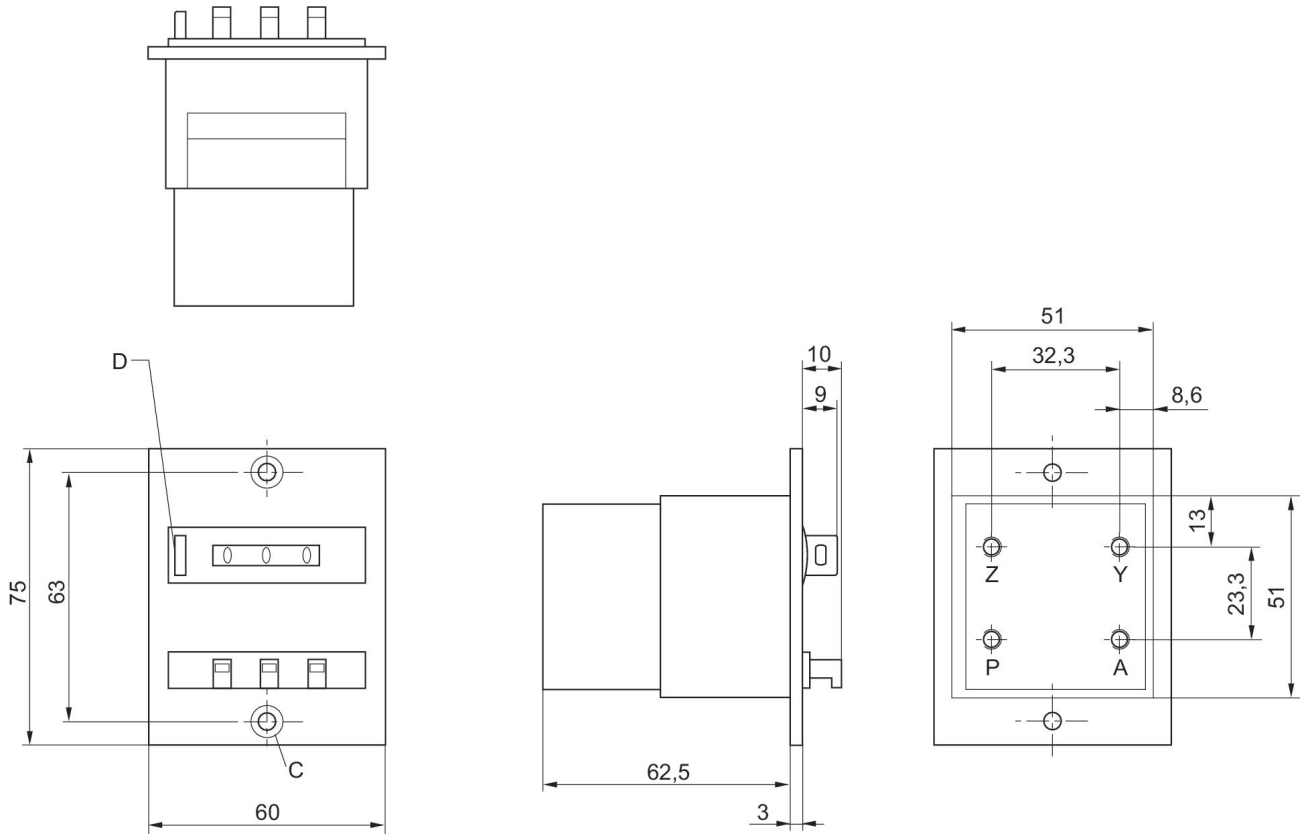
0821304020

A (2) = output signal

C = countersink DIN 74-Af4 D = reset key

Included in the delivery contents: 2 oval head countersunk screws DIN 966 St M4 x 16 2 spring rings A4 DIN 124 2 hexagonal nuts M4 DIN 934

Fig. 1



P (1) = compressed air connection

Z = counting signal

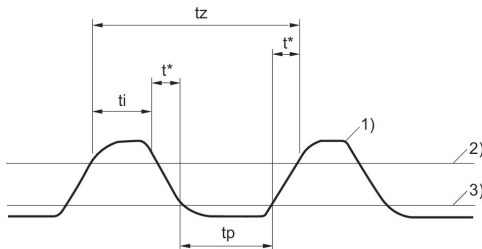
Y = return signal

A (2) = output signal

C = countersink DIN 74-Af4 D = reset key

Included in the delivery contents: 2 oval head countersunk screws DIN 966 St M4 x 16 2 spring rings A4 DIN 124 2 hexagonal nuts M4 DIN 934

Counting frequency



1) Counting impulse

2) Response pressure -[[0.8] bar

3) Release pressure -[[0.15] bar

t_i = min. pulse duration t_p = min. pause duration t_z = time for counting pulse
 $= t_i + t_p + 2t^*$ t^* = dependent on pressure and pipe length (values must be determined)