Pneumatic counter

0821304019

2023-10-11

Pneumatic counters

Technical data

Industry	Industrial
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/m³
Max. oil content of compressed air	1 mg/m³
Display	6 digits
Logic function	Pneumatic/mechanic counter, adding
Return	Pneumatically
Compressed air connection input	M5
Min. working pressure	2 bar
Max. working pressure	8 bar
Pulse duration counting	> 18 ms
Pulse duration return	> 180 ms
Pause duration counting	> 10 ms

Pause duration return	> 50 ms
Weight	0.08 kg
Part No.	0821304019

Technical information

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

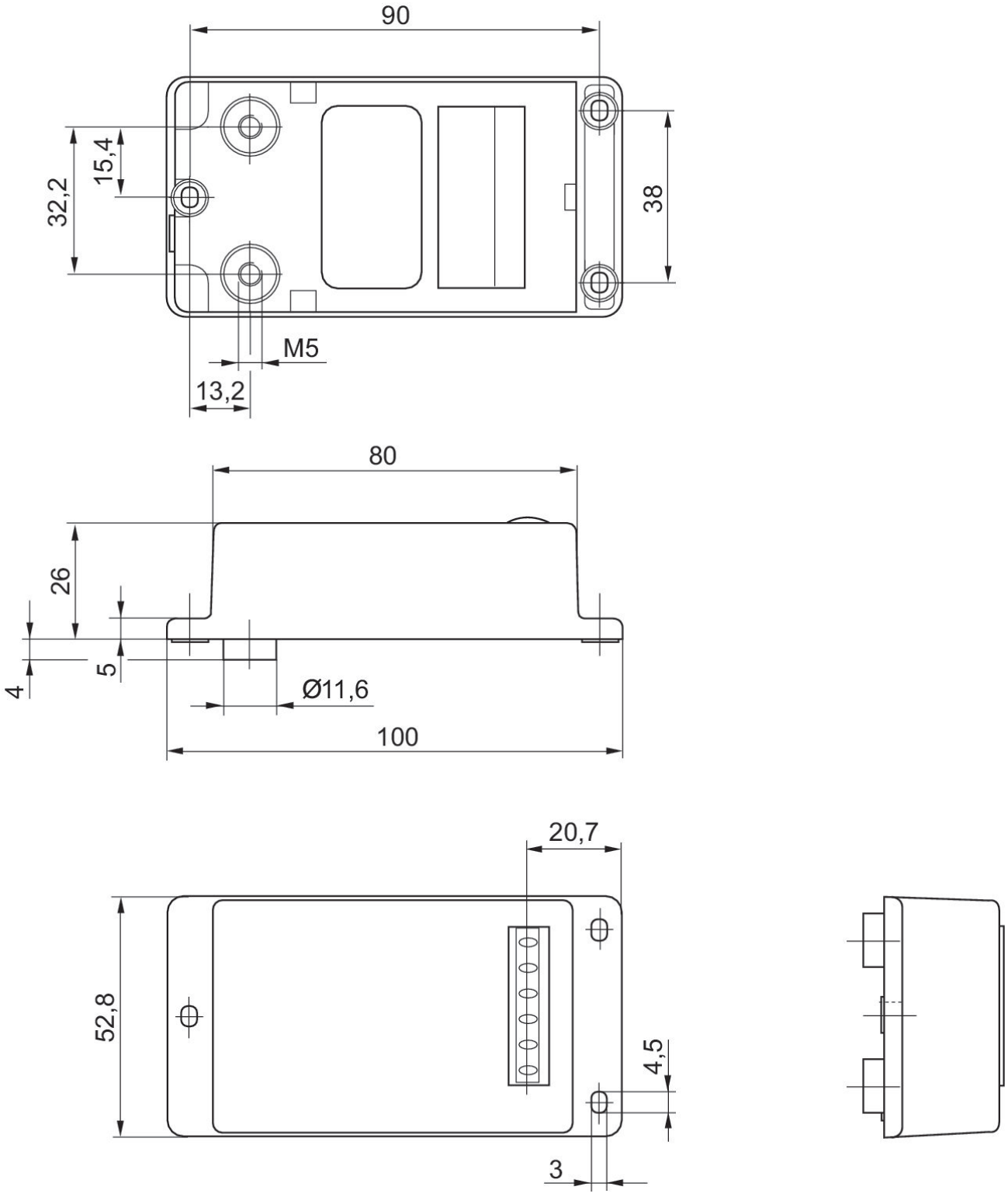
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

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.

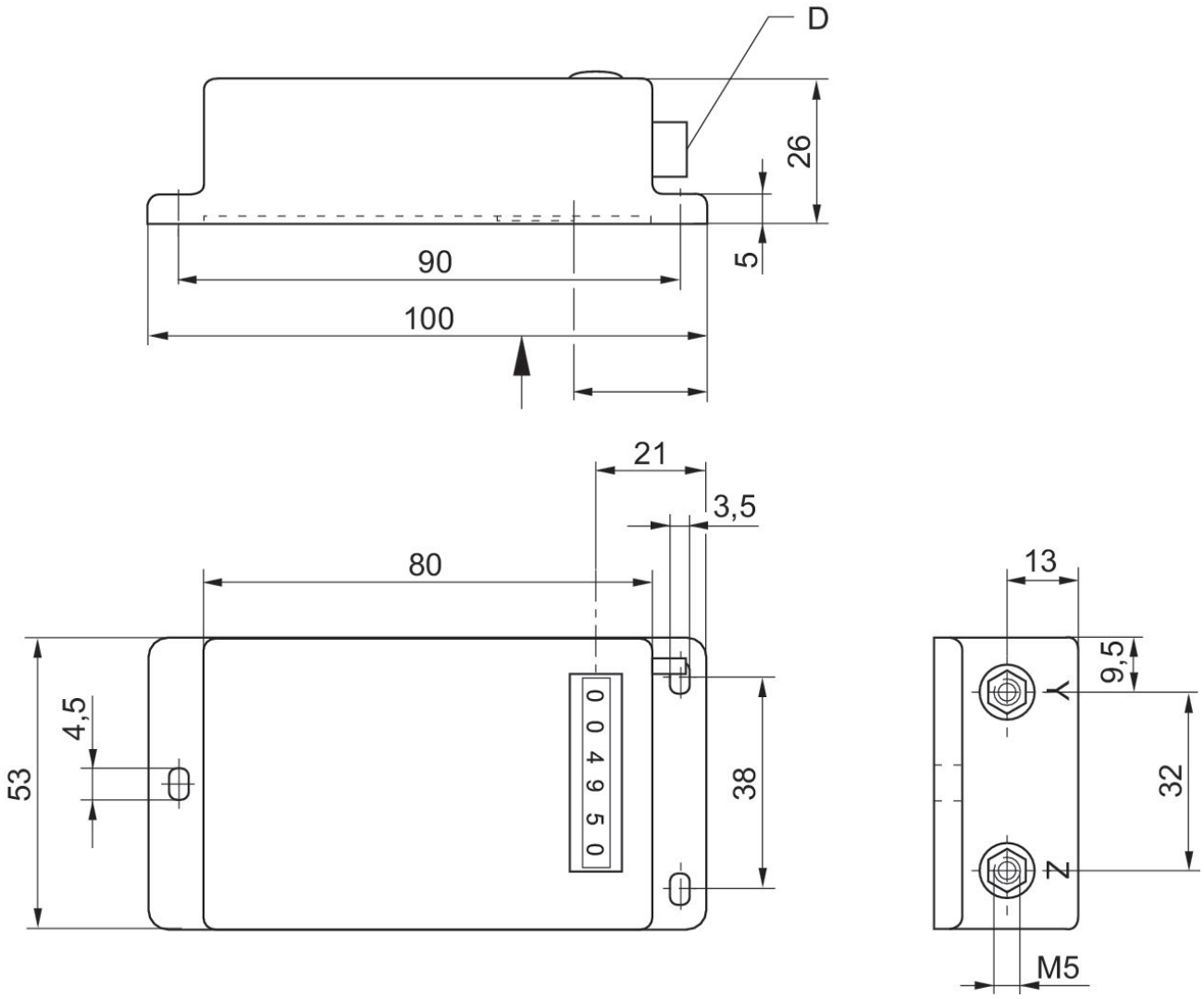
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in https://www.emerson.com/en-us/support).

Fig. 3



Z = counting signal
Y = return signal
Included in the delivery contents: 2 oval head countersunk screws DIN 966 St M4 x 16 2 spring rings A4 DIN 127 2 hexagonal nuts M4 DIN 934

Fig. 2



Z = counting signal
Y = return signal
D = reset key
Included in the delivery contents: 2 oval head countersunk screws DIN 966 St M4 x 16 2 spring rings A4 DIN 127 2 hexagonal nuts M4 DIN 934

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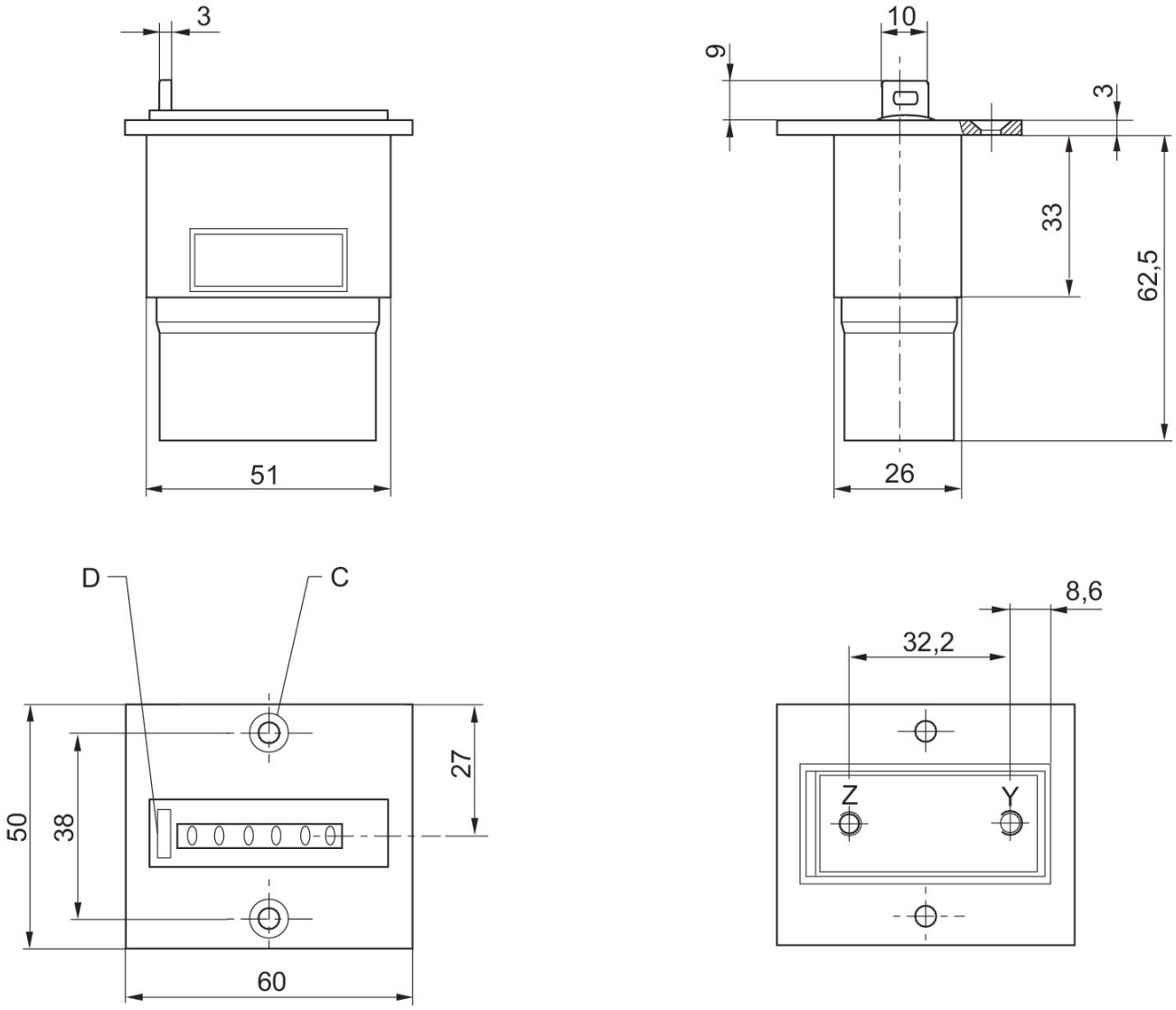
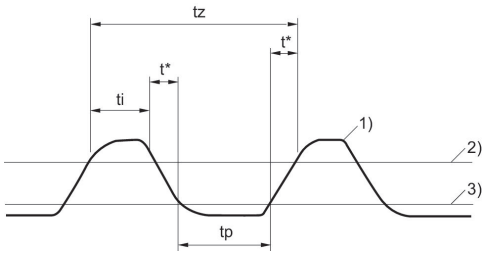
Fig. 1



Z = counting signal
Y = return 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 127 2 hexagonal nuts M4 DIN 934

Counting frequency



1) Counting impulse
2) Response pressure -[[0.8] bar
3) Release pressure -[[0.15] bar]
ti = min. pulse duration tp = min. pause duration tz = time for counting pulse = ti + tp + 2t* t* = dependent on pressure and pipe length (values must be determined)