**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 | Manually via a button 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 | 0.075 kg |
| Part No. | 0821304018 |

## 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!

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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).
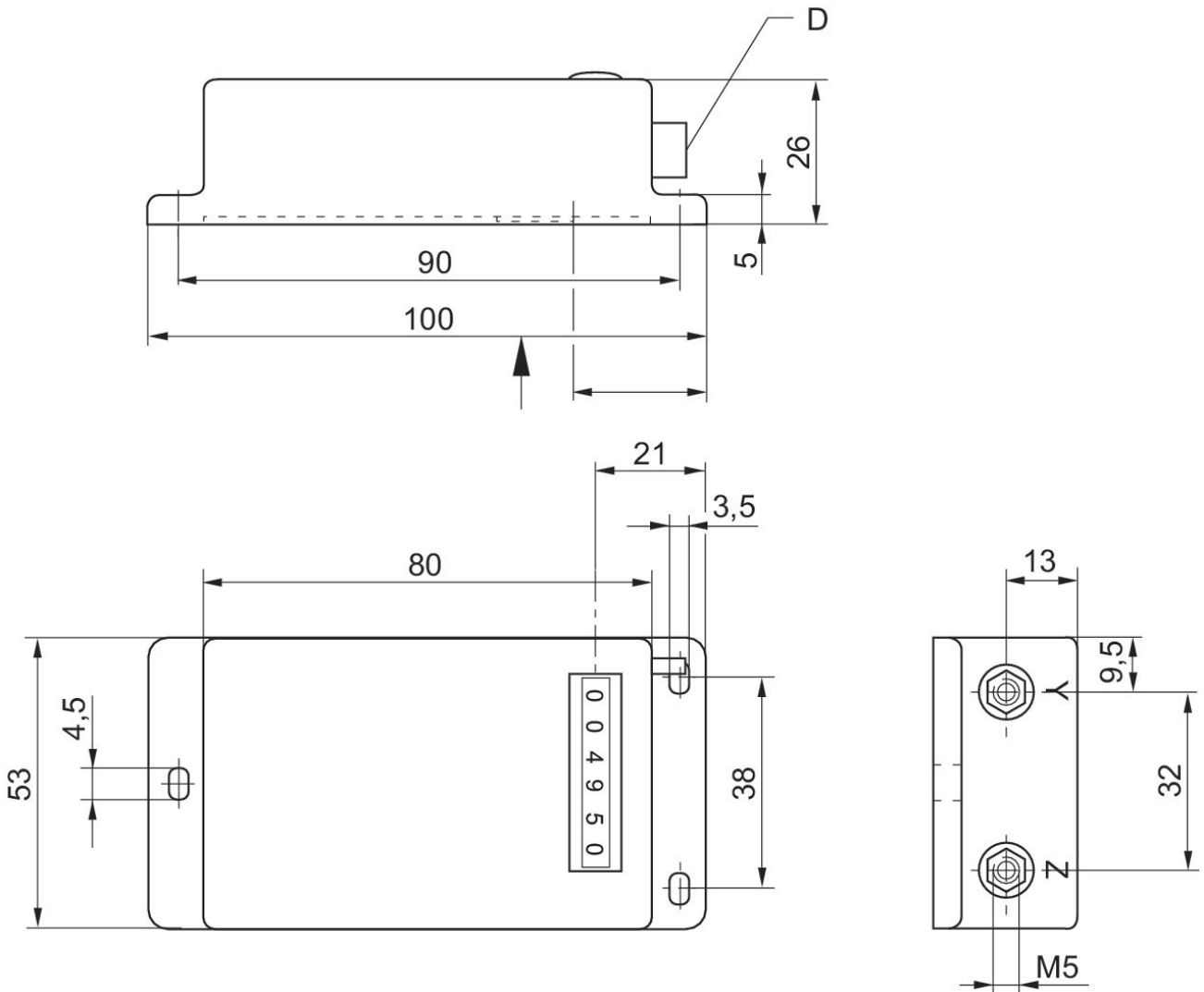
## Fig. 3
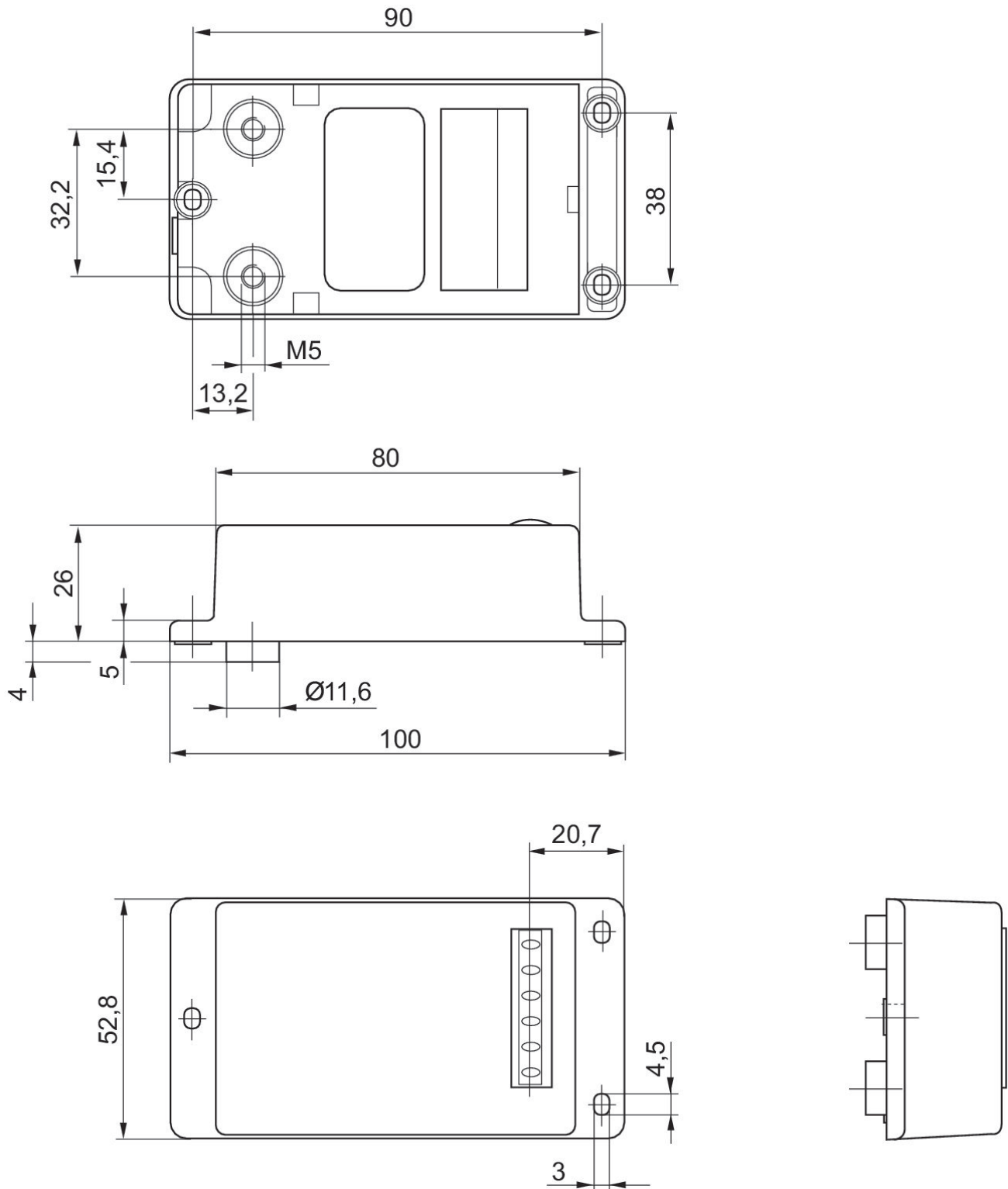


Z = counting signal
Y = return signal
Included in the delivery contents: 2 oval head countersunk screws DIN 966 St M4 x 16 2 spring rings A4 DIN 127 2 hexagonal nuts M4 DIN 934
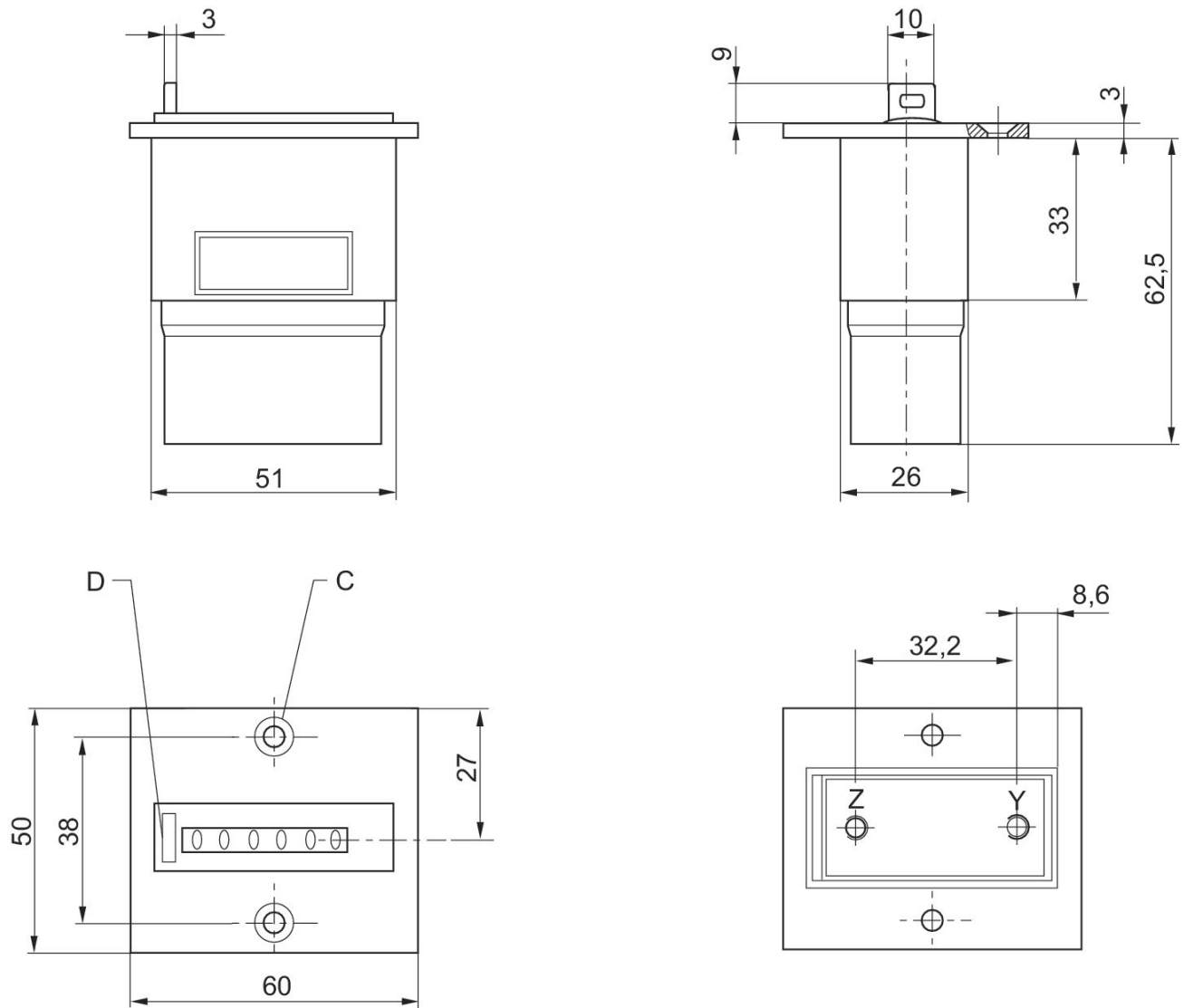
## Fig. 2



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
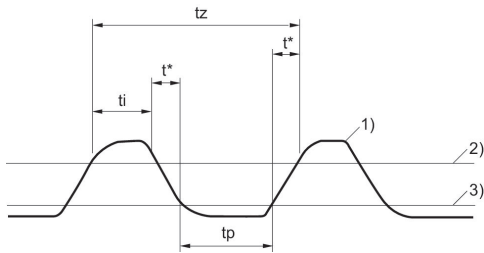
## Fig. 1



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]
$t_i$ = 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)