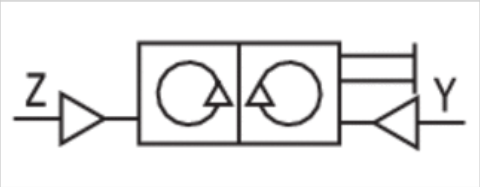
Pneumatic counter

- 6 digits
- Compressed air connection input M5 Ø 4

Logic function	Pneumatic/mechanic counter, adding
Mounting orientation	Any
Working pressure min./max.	2 ... 8 bar
Ambient temperature min./max.	0 ... 60 °C
Medium temperature min./max.	0 ... 60 °C
Medium	Compressed air
Max. particle size	40 µm
Oil content of compressed air	0 ... 1 mg/m³
Display	6 digits
Weight	See table below



Technical data

Part No.	Return	Compressed air connection
		Input
0821304004	Manually via a button Pneumatic > 2 bar	M5
0821304005	Manually via a button Pneumatic > 2 bar	Ø 4
0821304018	Manually via a button Pneumatic > 2 bar	M5
0821304019	Pneumatic > 2 bar	M5

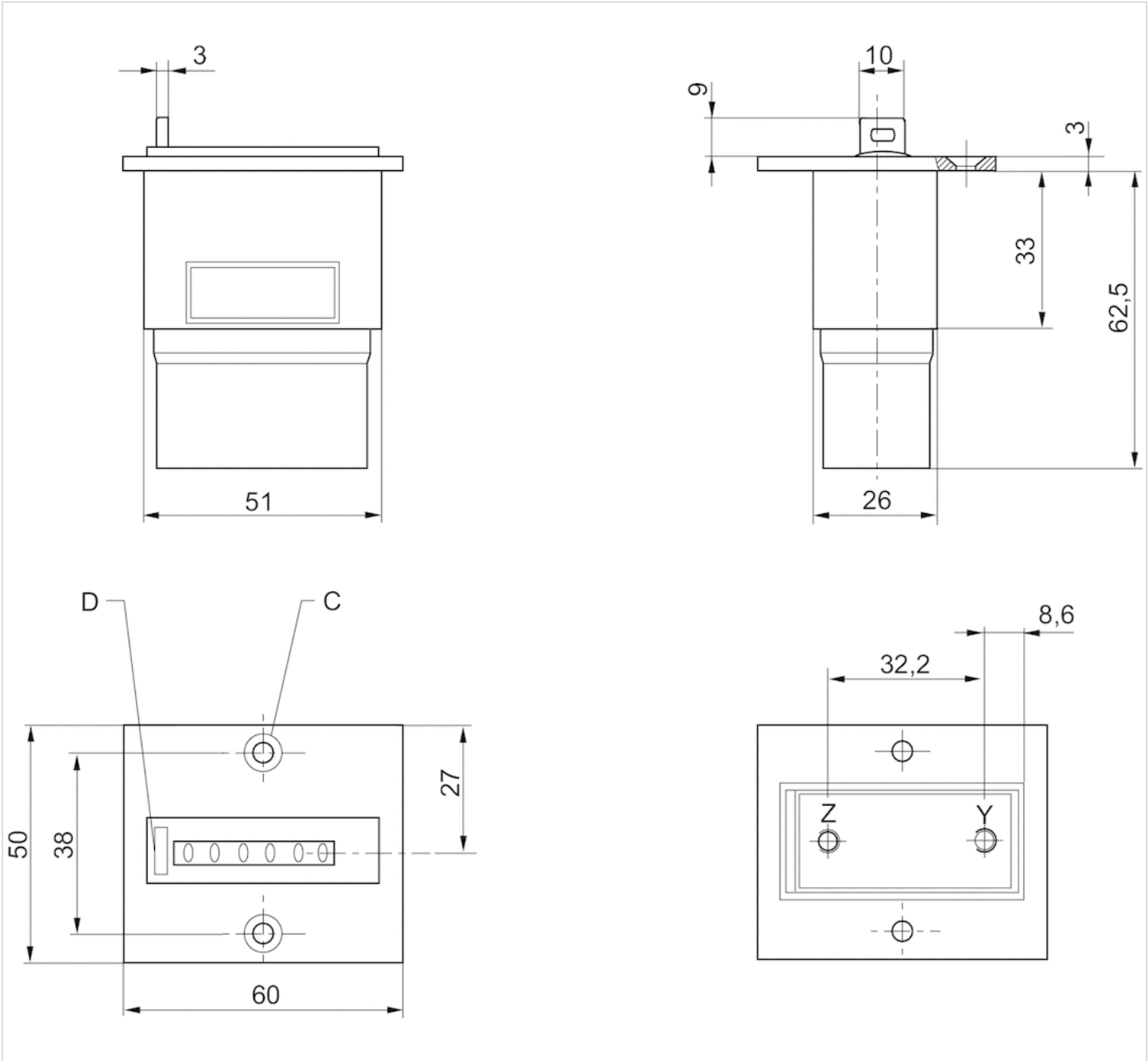
Part No.	Pulse duration		Pause duration		Weight	Fig.
	Counting	Return	Counting	Return		
0821304004	> 18 ms	> 180 ms	> 10 ms	> 50 ms	0,073 kg	Fig. 1
0821304005	> 18 ms	> 180 ms	> 10 ms	> 50 ms	0,073 kg	Fig. 1
0821304018	> 18 ms	> 180 ms	> 10 ms	> 50 ms	0,075 kg	Fig. 2
0821304019	> 18 ms	> 180 ms	> 10 ms	> 50 ms	0,08 kg	Fig. 3

Technical information

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

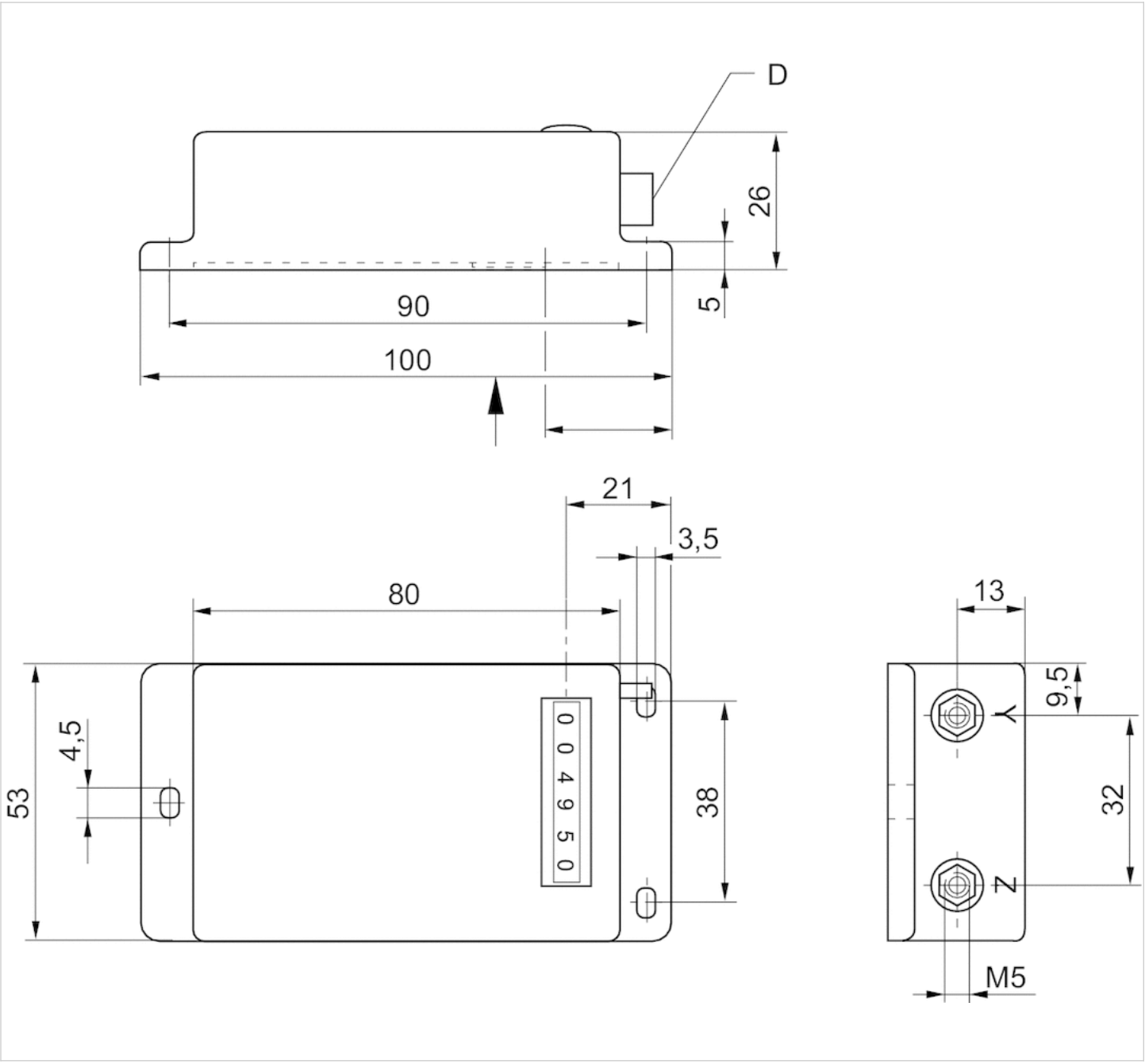
Dimensions

Fig. 1



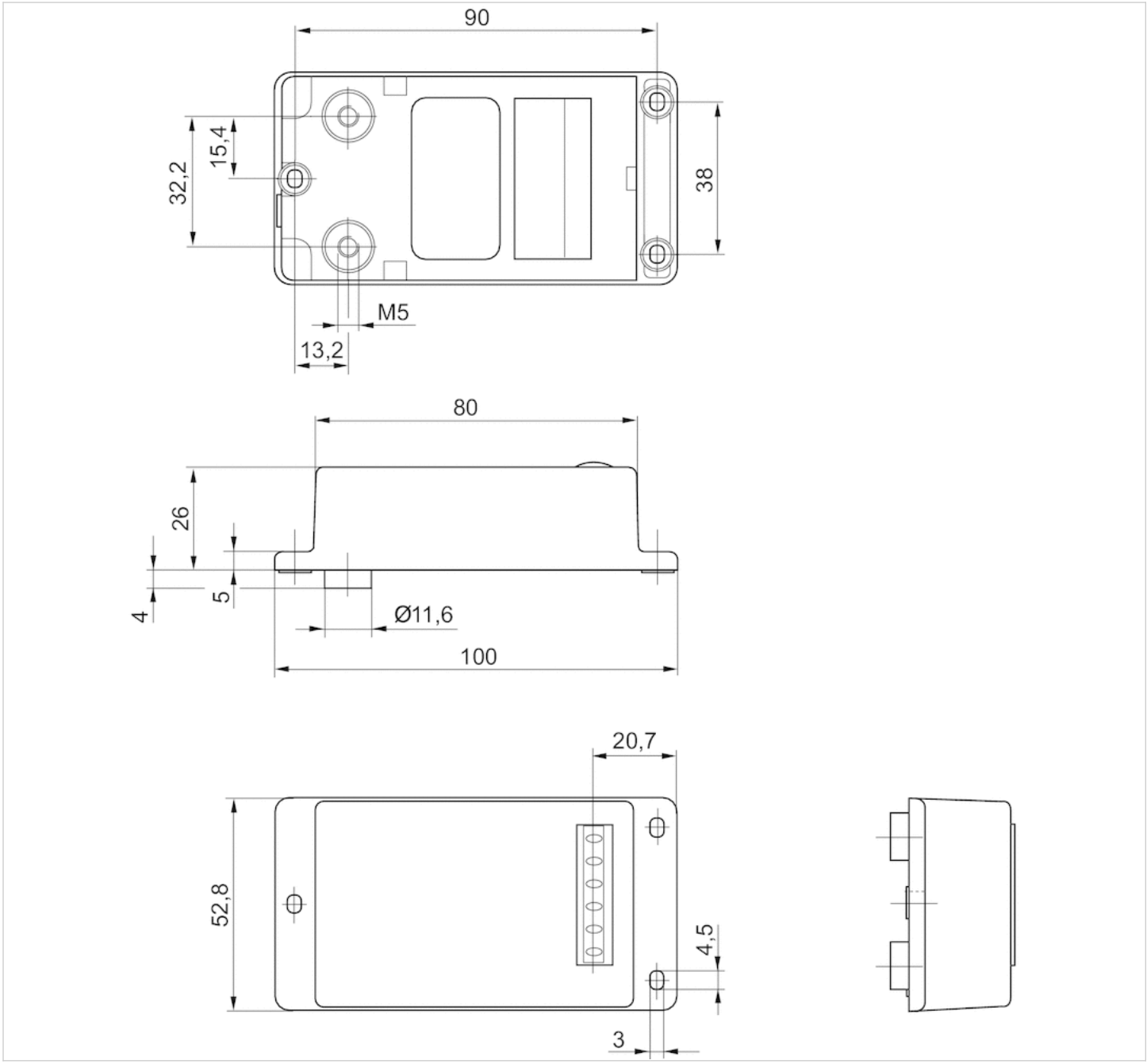
Z = counting signal
Y = return signal
C = countersink DIN 74-Af4
D = reset key
Included in the delivery contents:
2 oval head countersunk screws DIN 966 St M4 x 16
2 spring rings A4 DIN 127
2 hexagonal nuts M4 DIN 934

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

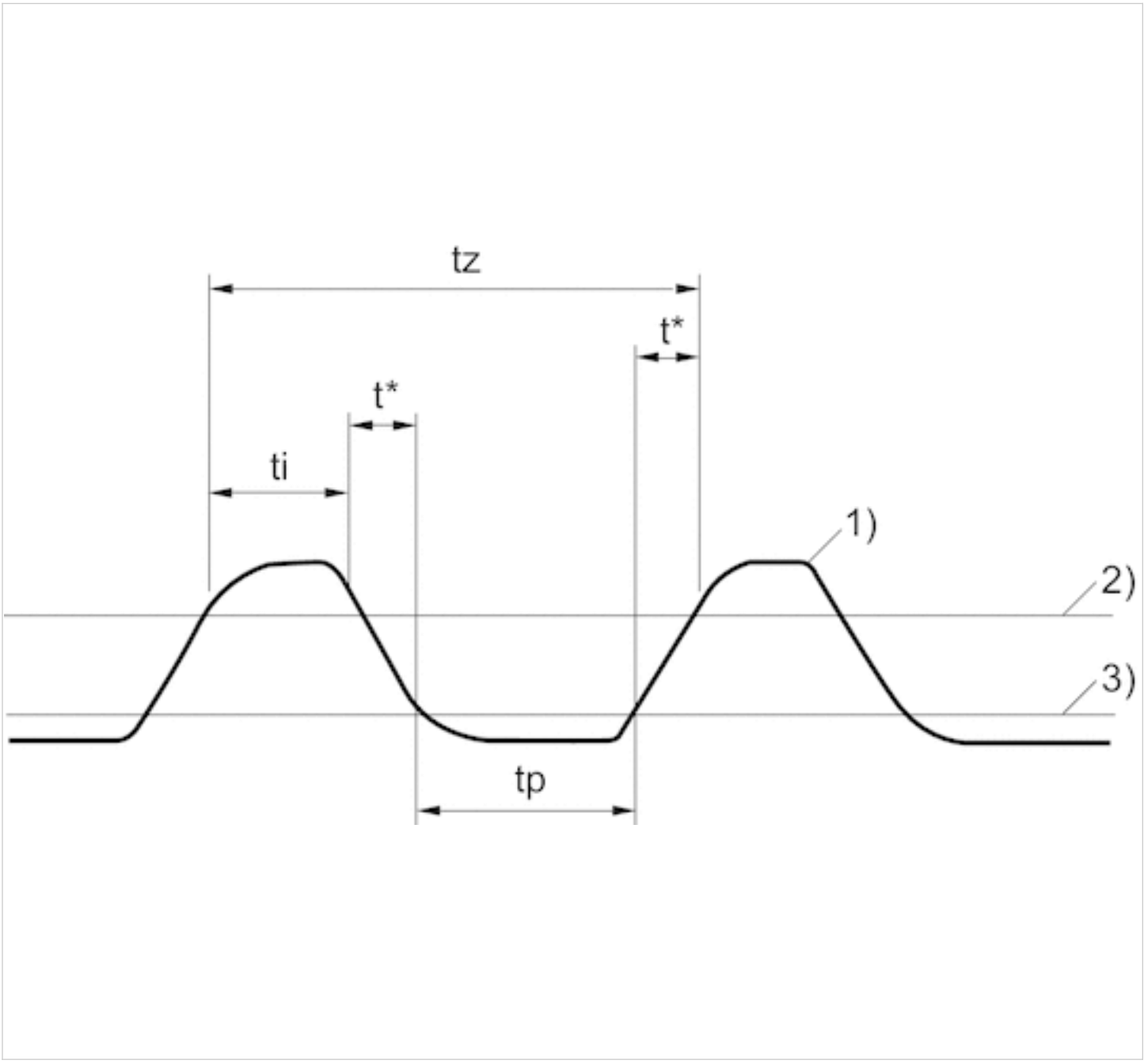
Fig. 3



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

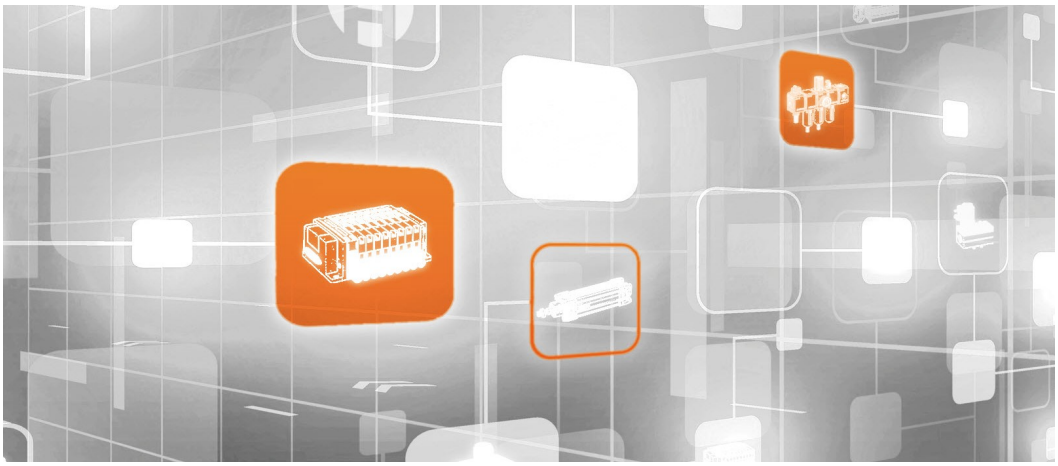
Diagrams

Counting frequency



1) Counting impulse
2) Response pressure - 0.8
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)

Efficient pneumatic solutions, our program: cylinders and drives, valves and valve systems, air supply management



Visit us: Emerson.com/Aventics

Your local contact: Emerson.com/contactus

Emerson.com

Facebook.com/EmersonAutomationSolutions

LinkedIn.com/company/Emerson-Automation-Solutions

Twitter.com/EMR_Automation

2020-12

EMERSON.

CONSIDER IT SOLVED™