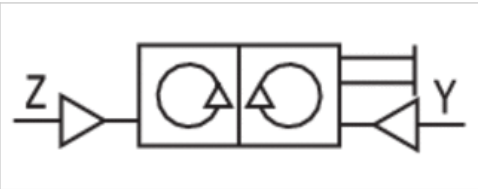


Pneumatic counter

- 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

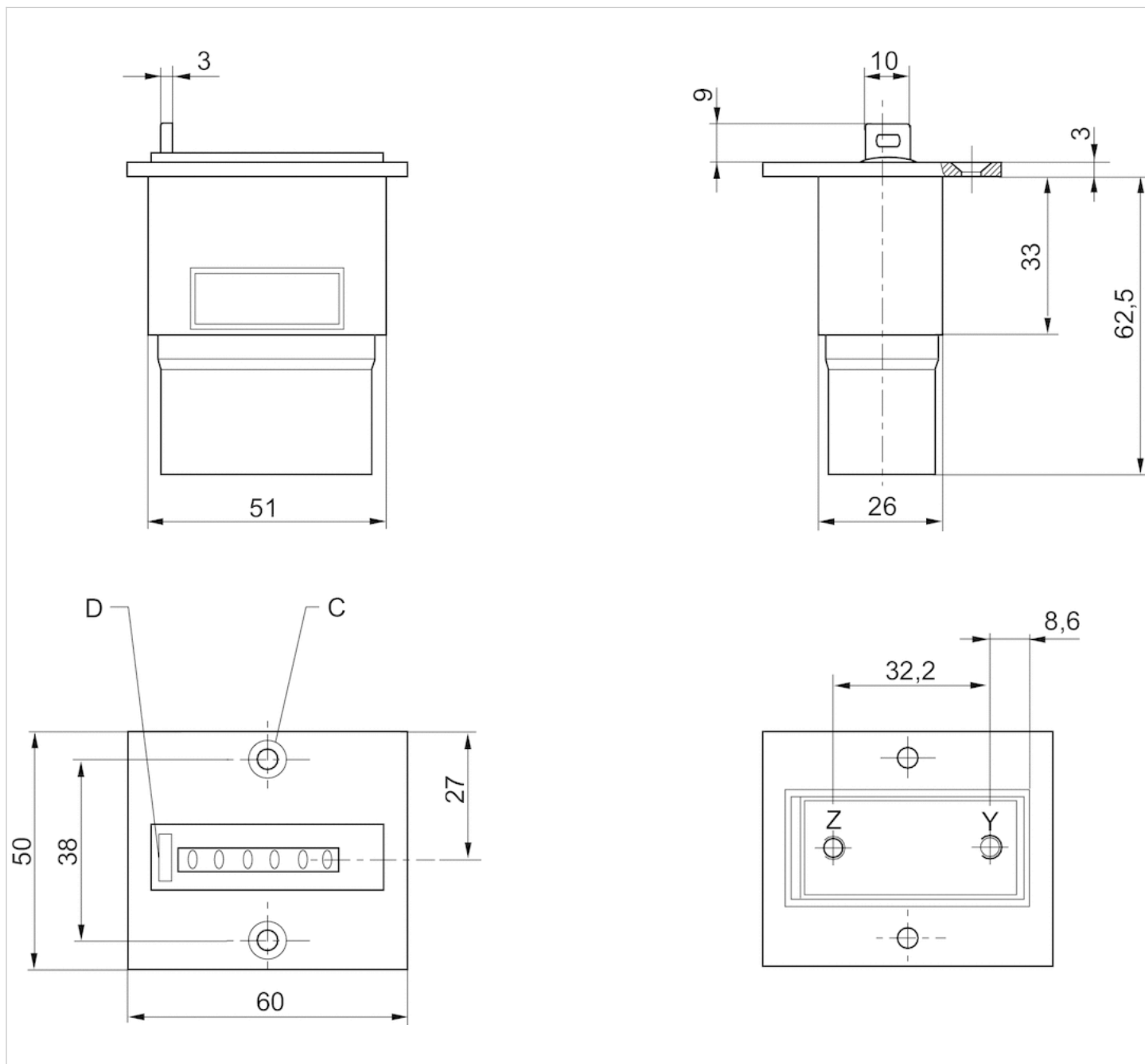
Part No.	Pulse duration		Pause duration		Weight	Fig.
	Counting	Return	Counting	Return		
0821304004	> 18 ms	> 180 ms	> 10 ms	> 50 ms	0,073 kg	Fig. 1
0821304005	> 18 ms	> 180 ms	> 10 ms	> 50 ms	0,073 kg	Fig. 1
0821304018	> 18 ms	> 180 ms	> 10 ms	> 50 ms	0,075 kg	Fig. 2
0821304019	> 18 ms	> 180 ms	> 10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

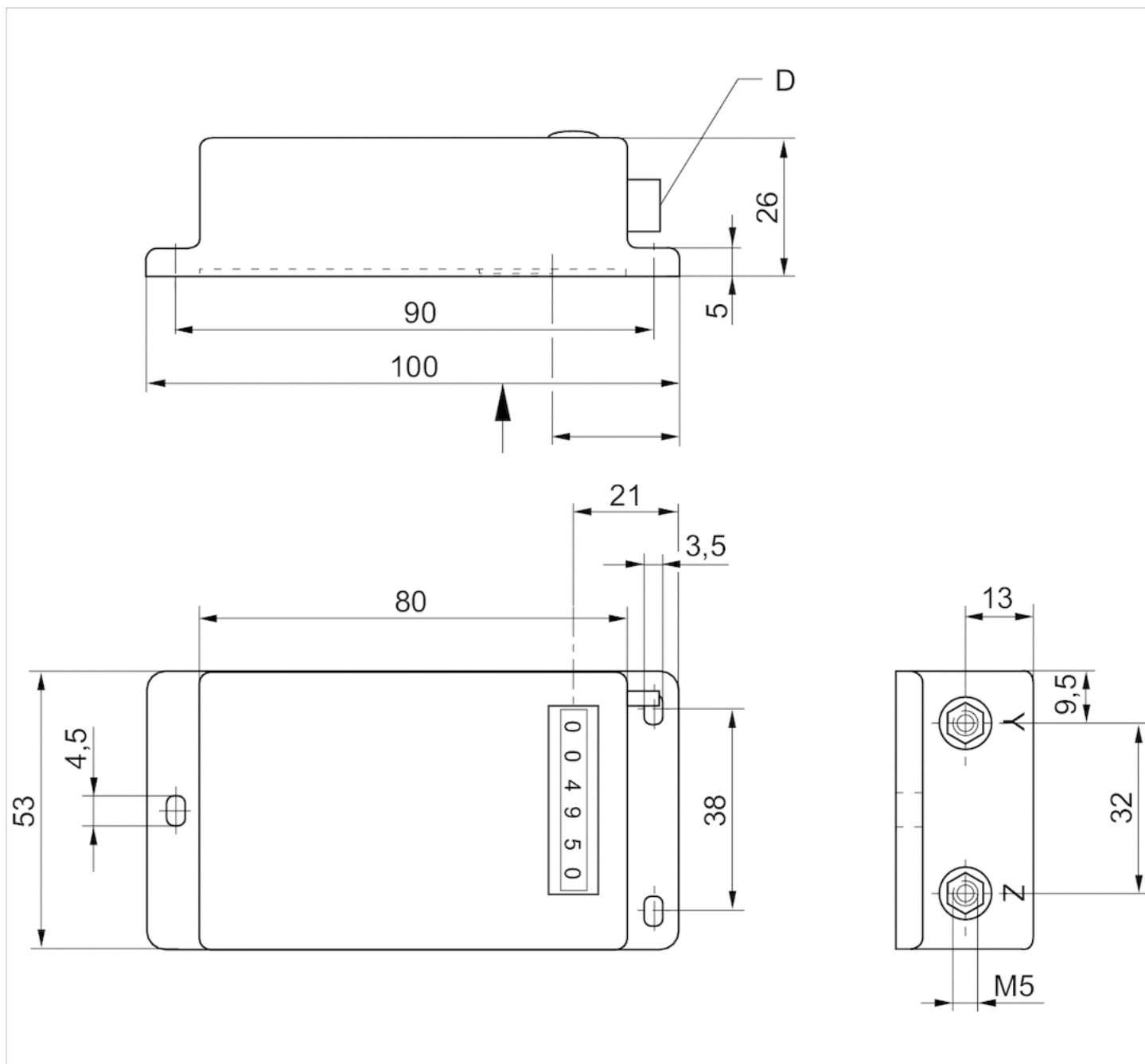
Included in the delivery contents:

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

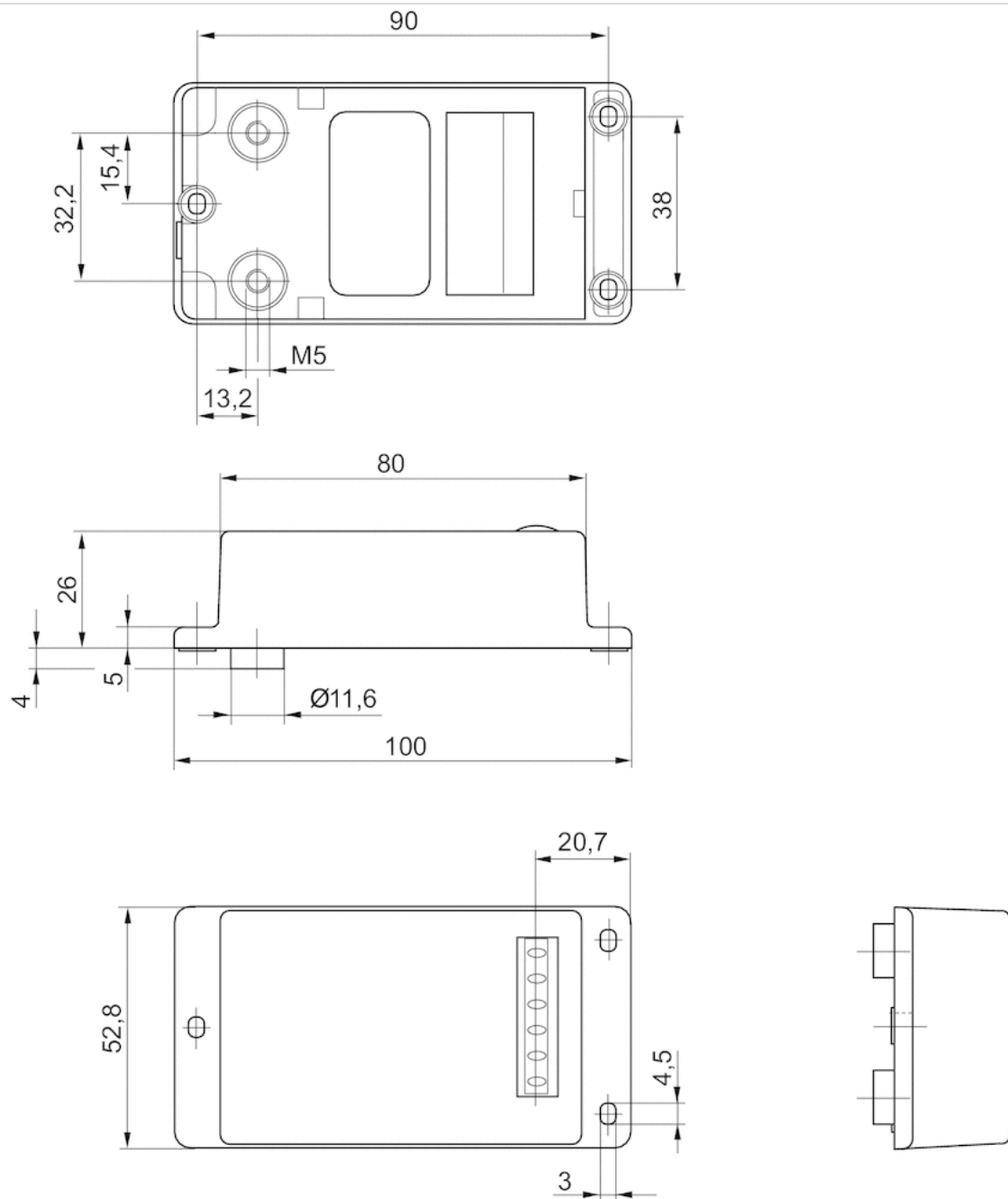
Included in the delivery contents:

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:

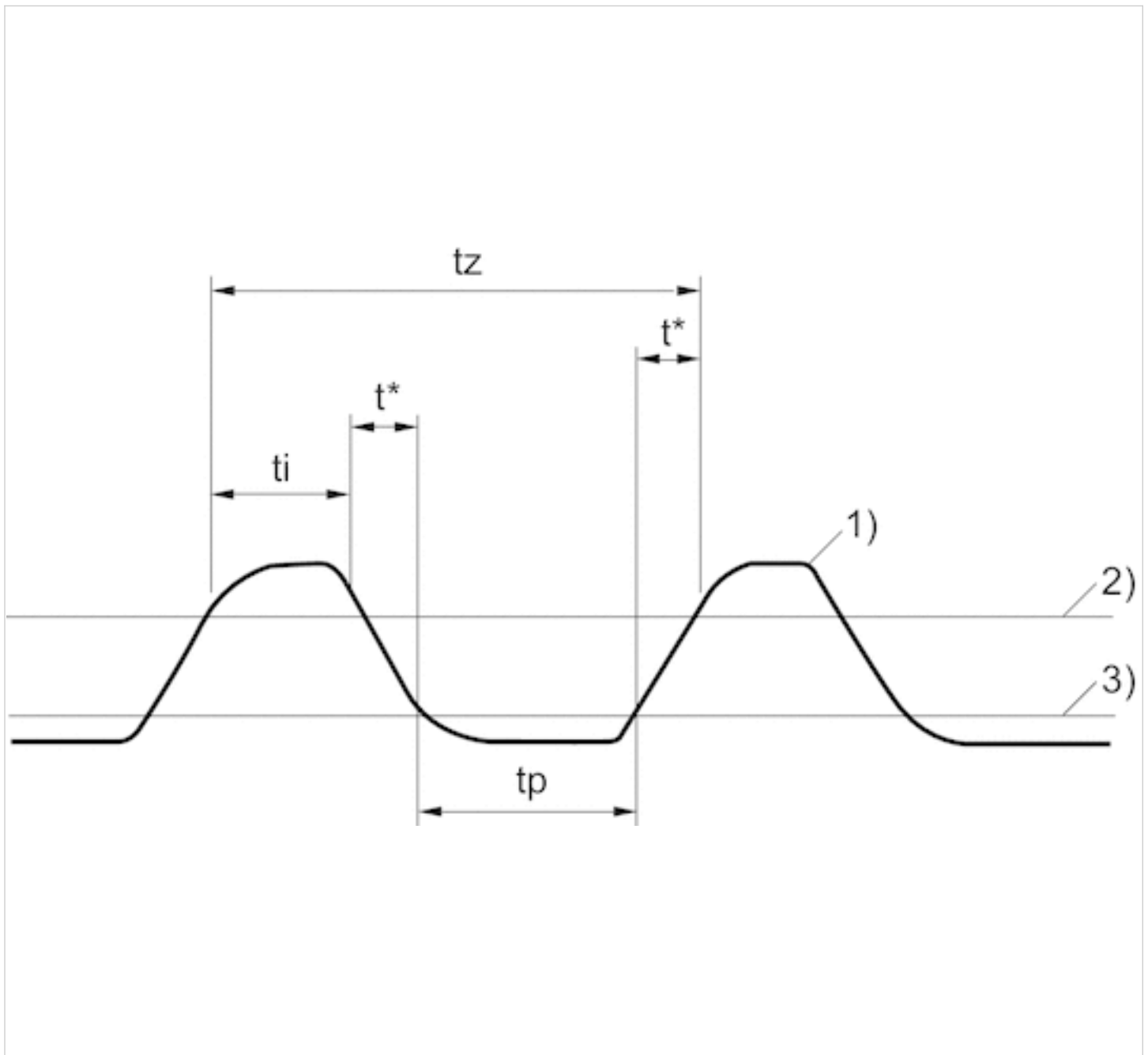
2 oval head countersunk screws DIN 966 St M4 x 16

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
- 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)

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



Visit us: [Emerson.com/Aventics](https://www.emerson.com/Aventics)

Your local contact: [Emerson.com/contactus](https://www.emerson.com/contactus)



Emerson.com



Facebook.com/EmersonAutomationSolutions



LinkedIn.com/company/Emerson-Automation-Solutions



Twitter.com/EMR_Automation

An example configuration is depicted on the title page. The delivered product may thus vary from that in the illustration. Subject to change. This Document, as well as the data, specifications and other information set forth in it, are the exclusive property of AVENTICS GmbH. It may not be reproduced or given to third parties without its consent. Only use the AVENTICS products shown in industrial applications. Read the product documentation completely and carefully before using the product. Observe the applicable regulations and laws of the respective country. When integrating the product into applications, note the system manufacturer's specifications for safe use of the product. The data specified only serve to describe the product. No statements concerning a certain condition or suitability for a certain application can be derived from our information. The information given does not release the user from the obligation of own judgement and verification. It must be remembered that the products are subject to a natural process of wear and aging.

The Emerson logo is a trademark and service mark of Emerson Electric Co. Brand logotype are registered trademarks of one of the Emerson family of companies. All other marks are the property of their respective owners. © 2020 Emerson Electric Co. All rights reserved.
2020-12



CONSIDER IT SOLVED™