5/2-directional valve, Series ES05

- 5/2
- Qn = 610 l/min
- Compressed air connection output : Ø 8
- Electrical connection : form C, industry
- Manual override : without detent
- single solenoid double solenoid

Activation	Electrically
Certificates	UR (Underwriters Laboratories)
Working pressure min./max.	3 ... 8 bar
Ambient temperature min./max.	5 ... 50 °C
Medium temperature min./max.	5 ... 50 °C
Medium	Compressed air
Max. particle size	40 µm
Oil content of compressed air	0 ... 5 mg/m³
Nominal flow Qn	610 l/min
Protection class with connection	IP65
Duty cycle	100 %

Technical data

Part No.		Compressed air connection	Compressed air connection
		Input	Output
R422103175		Ø 8	Ø 8
R422103176		Ø 8	Ø 8

Part No.	Compressed air connection	Operational voltage	Voltage tolerance
	Exhaust	DC	DC
R422103175	Ø 8	24 V	-15% / +10%
R422103176	Ø 8	24 V	-15% / +10%

Part No.	Power consumption	Switch-on time	Switch-off time	Fig.
	DC			
R422103175	2 W	20	35	Fig. 1
R422103176	2 W	20	20	Fig. 2

Nominal flow Qn at 6 bar and Δp = 1 bar

Technical information

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 under 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 the MediaCentre).
The pilot valve is UL (Underwriters Laboratories) certified.

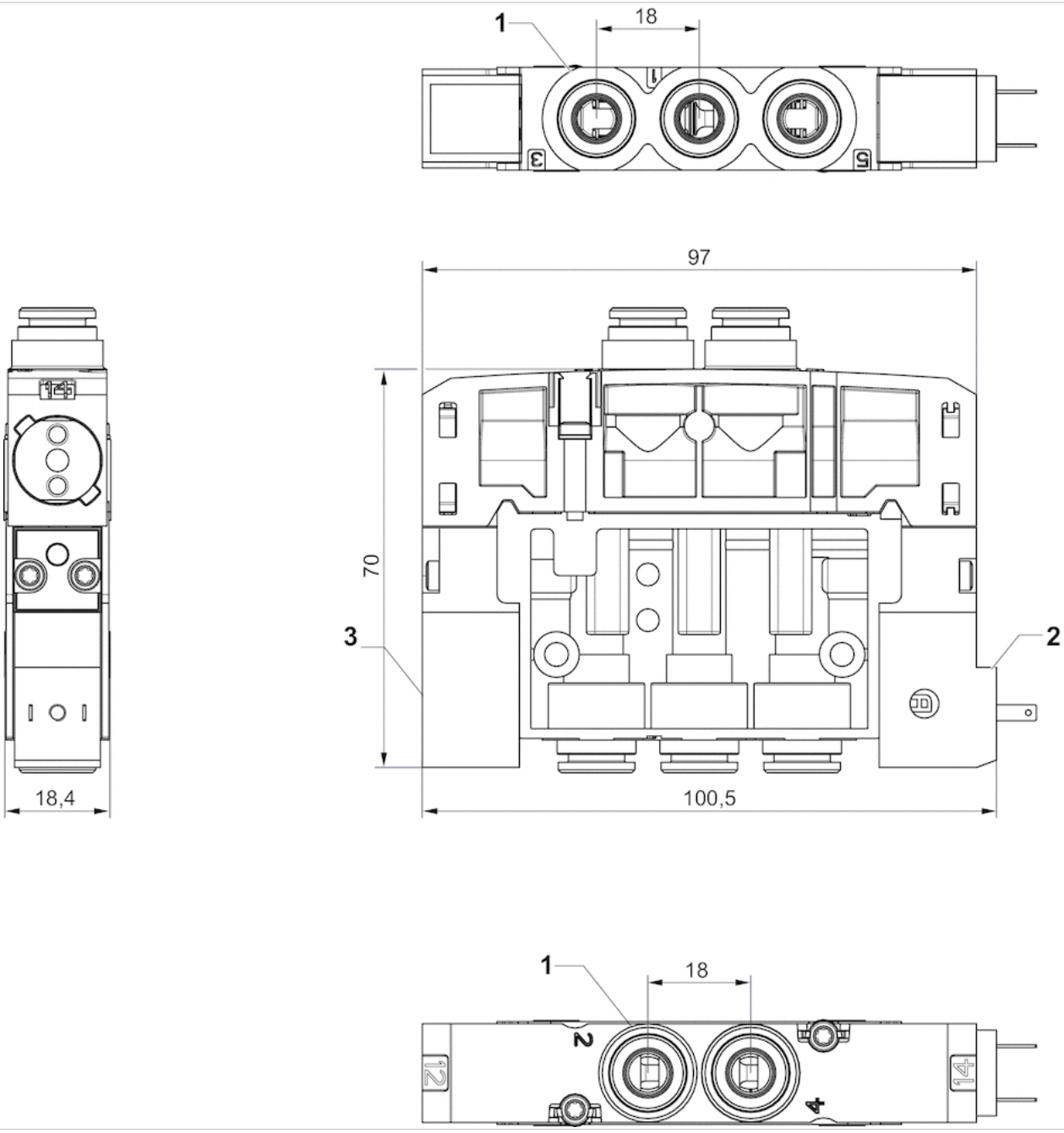
Exhaust air throttling may only be used in operating lines

Technical information

Material	
Housing	Polyamide fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

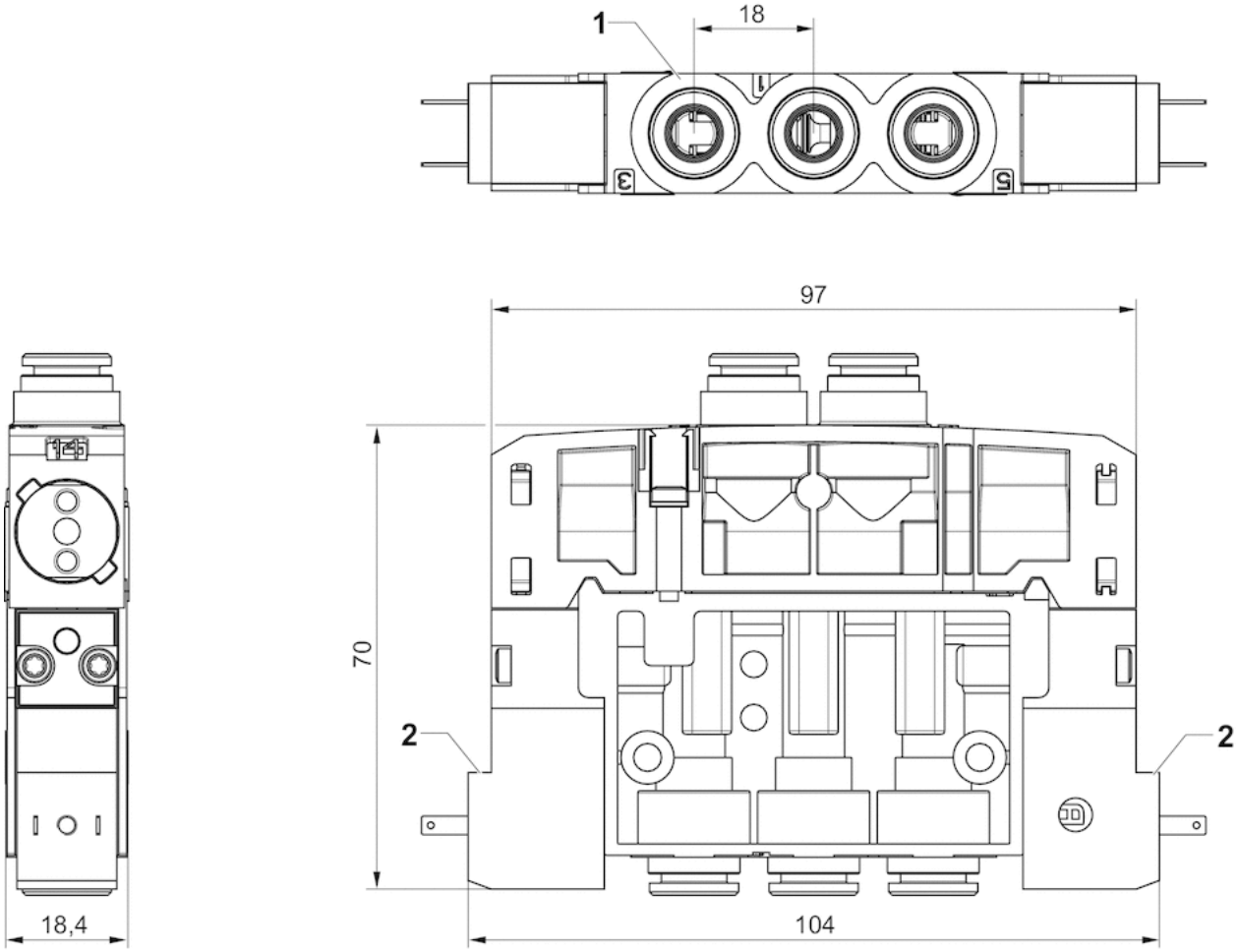
Dimensions

Fig. 1, single solenoid



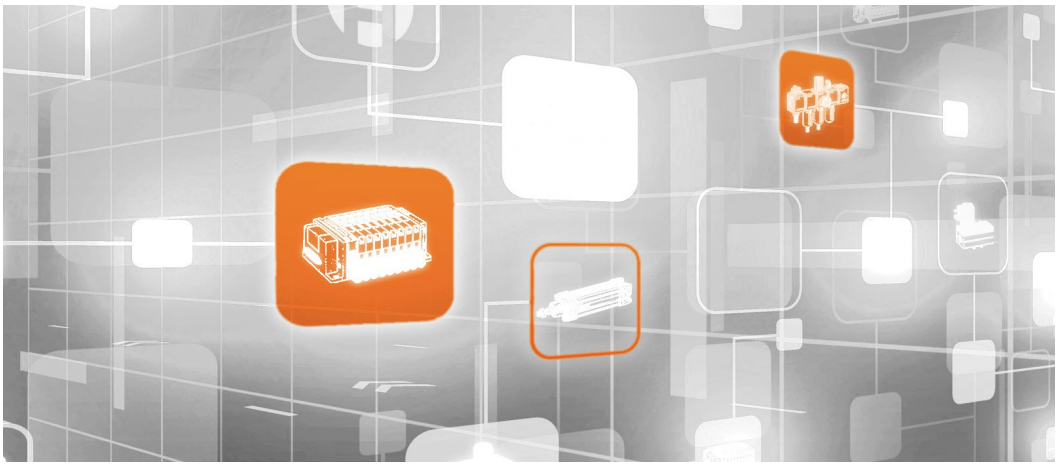
1) Connections [1 ,3 ,5, 2, 4] Ø 8
2) 1 pilot valve with electrical connection
3) Pilot blanking plate

Fig. 2, double solenoid



1) Connections [1 ,3 ,5, 2, 4] Ø 8
2) 2 pilot valves with external electrical connection

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™