

3/2-way solenoid valves

Art. No. 102967 to 102968

P 3-504 e

Description:

- Compact solenoid valves for assembly directly on a single-acting pneumatic actuator (cylinder, valve, etc.)
- Short response time
- Easy installation (supply connection, valve body, coil and cable socket can be rotated 360°)
- Compact type of construction
- Integrated exhaust air restrictor
- Manual override

General:

Medium * Air, filtered

Pressure difference See characteristics valve body [1 bar = 100 kPa]

Response time 10 to 20 ms

Parts in contact with the medium:*

Housing Polyamide (glass fibre-reinforced)

Guide pipe Brass

Armature of magnet and Stainless steel

counter-armature

Springs Stainless steel
Valve seat PA + Stainless steel

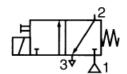
Seals and valve disc NBR
End ring Copper
Insulation class F

Electrical connection Device socket 11 mm, industry standard B Connection 1 Plug connection for hose outside Ø 4 mm

Connection 2 G 1/8 thread Connection 3 M5 (Vent port)

^{*} The resistance of the parts in contact with the medium must be checked separately.





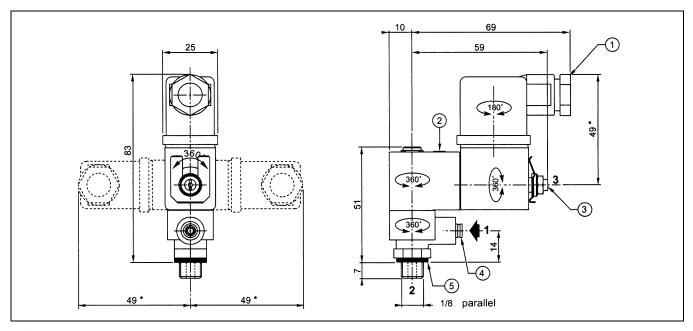
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Dimensions:



- ① Cable socket: size 22, can be rotated 180°
- ② Manual override (latching)
- 3 Adjustable exhaust air restrictor
- ④ Port for compressed air supply with plug connection for hose 2 4 mm external
- Screw plug

Solenoid valves for mounting directly on the actuator, normally closed										
Art. No.	t. No. Type No. Thread Seala		Sealant	Operating pressure min. / max. (1) bar	Medium temperature min. / max. (2) °C	Weight * kg				
102967	108.01	G 1/8	NBR	0 / 10	-10 / 60	0.175				
102968	108.02	G 1/8	NBR	0 / 10	-10 / 60	0.175				

Subject technical changes.

^{*} Inkl. Solenoid and connector

⁽¹⁾ For detailed pressure information each medium, please see characteristics valve body.

⁽²⁾ At temperatures below zero the medium may freeze and damage the valve.



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Characteristics valve body:

Ø DN		Flo coeff (K			Perm. differential pressure		(M)	Exhaust air restrictor	Solenoid valve Art. No.	
2 <-> 1	I/min at 6 bar		m³/h							
	2 -> 1	1 -> 2 -> 3	2 -> 1	1 -> 2 -> 3	min.	max.			~	=
1.2	0.5	0.5 0.7 0.03 0.04 0 10 7	2	With	102967	102968				
1.2	0.5		0.03	0.04	J	10	Λ	Without	On request	On request

Electrical data:

Cc Art.	Power Pickup Holding hot / cold					Ambient Temperature of	
230 V	24 V DC		~	~			magnet
118753	118749	6	3.5	2.5	2.5	3	[C]
118745	118742	12	6	4	5	6.9	-10 ° to 60 °

Special versions (on request):

- Other voltages or frequency on request
- Cable socket with LED and protective circuit

Handling:

- Any mounting position
- Installation and maintenance instructions enclosed with each valve
- Port (1) with plug connection for howe & 4 mm external
- Port (2) with G 1/8 thread
- Vent port (3) with M 5 thread or exhaust air restrictor
- Body can be rotated 360° about port 2
- Magnet can be rotated 360°
- Manual override, latching