



# Technical Data Sheet Type 52



2/2-way solenoid valve  
 NC - Valve normally closed (as standard)  
 NO - Valve normally open (as option)

Direct operated piston design valve. No differential pressure is necessary for operation. When energized, the valve seat is opened directly.  
 In standard (NC) the valve closes with spring power.

■ Solenoid valve for gaseous and liquid media

Type 52

## TECHNICAL SPECIFICATIONS

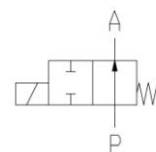
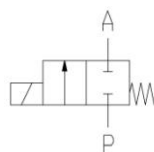
Type of control	Direct operated, no differential pressure necessary
Design	Piston design
Connection	Threaded G1/8 - G1/2 DIN ISO 228/1 (BSP) Further connections like NPT on request
Installation	Preferable with actuator upright
Pressure	0 - 90 bar (see table on page 2)
Medium	Clean, neutral, gaseous and liquid media
max. Viscosity	22 mm <sup>2</sup> /s
Temperature range	Medium: -10 °C up to +80 °C Ambient: -10 °C up to +50 °C In consideration of the restrictions described on page 4
Body material	Brass 2.0401 / 2.0402 Stainless steel 1.4305 Stainless steel 1.4571
Metallic inner parts	Brass and Stainless steel
Sealing	FKM, EPDM, PTFE
Supply voltage	AC~ 24V, 110V, 230V DC= 12V, 24V Other supply voltages on request
Voltage tolerance	-10% / +10%
Power consumption	.182 = 6,8 Watt    .178 = 5,2 Watt ⚠ .032 = 11 Watt    .148 = 10 Watt ⚠ .012 = 18,5 Watt
Protection class	IP65 acc. to DIN 60529
Duty factor	100% ED-VDE 0580
Connection type	Plug
Ex-proof	acc. to 2014/34/EU (ATEX) Further Ex-proof on request

## VALVE FEATURES

- No pressure difference required
- High life time
- Simple compact valve design
- Reliable and sturdy sealing elements
- Long-term availability of spare parts

## FUNCTION

NC – non energized closed      NO – non-energized open



## CERTIFICATES



## ORDERING SYSTEM

Type	Conn.	Housing	Seal	Coil	Option
. 5 2	4 1	/ 1 0	0 2	/ . 1 8 2	- H A
3 - G 1/8	4 - G 1/4	10 Brass 2.0402	02 FKM	2 Standard IP65	
5 - G 3/8	6 - G 1/2	06 St.st. 1.4305	04 PTFE	8 Explosion proof	
6 - G 1/2	0 1.0 mm	08 St.st. 1.4571	06 EPDM	acc. to directive	
1 1.5 mm	2 2.0 mm			2014/34/EU (ATEX)	
2 2.0 mm	3 2.5 mm				
3 2.5 mm	4 3.0 mm				
4 3.0 mm	5 4.0 mm				
5 4.0 mm	6 5.0 mm				
6 5.0 mm	7 6.0 mm				