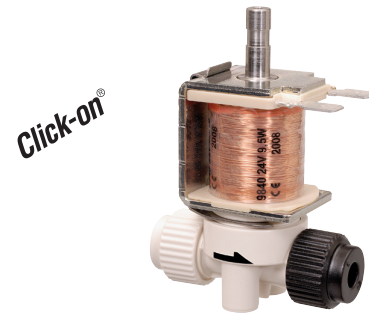


8590420 3/2-way seat valves

- Port size: DN 2,5
- High flow rate
- Functional compact design
- Solenoid interchangeable without tools (Click-on®)
- Good corrosion resistance
- Increased service life
- low maintenance
- International approvals



Technical features

Medium:
Neutral gases and liquids

Switching function:
Normally closed

Version:
Directly solenoid actuated

Mounting position:
Optional, preferably solenoid vertical on top

Flow direction:
Determined

Port size:
- Standard (compression fitting)
2 x ø 6 mm
(O/D 6 mm, I/D 4 mm)
- Standard (hose fitting)
1 x ø 6 mm

Operating pressure:
0 ... 2,5 bar (0 ... 36 psi)

Differential pressure:
0 ... 2,5 bar (0 ... 36 psi)


Fluid temperature:
0 ... +125°C (+32 ... +257°F)

Ambient temperature:
0 ... +50°C (+32 ... +122°F)

Material:
Body: PPSU (Polyphenylsulfon)
Seat seal: EPDM
Internal parts: Stainless steel

Components made of PPSU do not come into contact with the following media:
acetone, ether, ketones, aromatic hydrocarbons, chlorinated hydrocarbons, oxidising acids and anaerobic adhesives

Technical data – standard models

Symbol	Port size (mm)	Orifice (mm)	Flow kv value *1 (m³/h)	Operating pressure *2 (bar)	(psi)	Differential pressure (bar)	(psi)	Weight *3 (kg)	Model
	ø 6	2,5	0,15	0 ... 2,5	0 ... 36	0 ... 2,5	0 ... 36	0,17	8590420.9846.xxxxx

xxxxx Please insert voltage and frequency codes

*1) Cv-value (US) ≈ kv value x 1,2

*2) For gases and liquid fluids up to 25 mm²/s (cSt)

*3) Valve only



Option selector

8590420.9846.★★★★★

Frequency	Substitute
See table frequency codes	xx
Voltage	Substitute
See Voltage codes	xxx
Solenoid options	Substitute
Voltage 24 V d.c.	9846
d.c. 9,5 W	
Voltage range +0% / -5%	
Duty cycle	
40% ED 3 min SD	
Terminals 6,3 x 0,8	
Protection class IP 00	

Design acc. to DIN VDE 0580
Further versions on request!

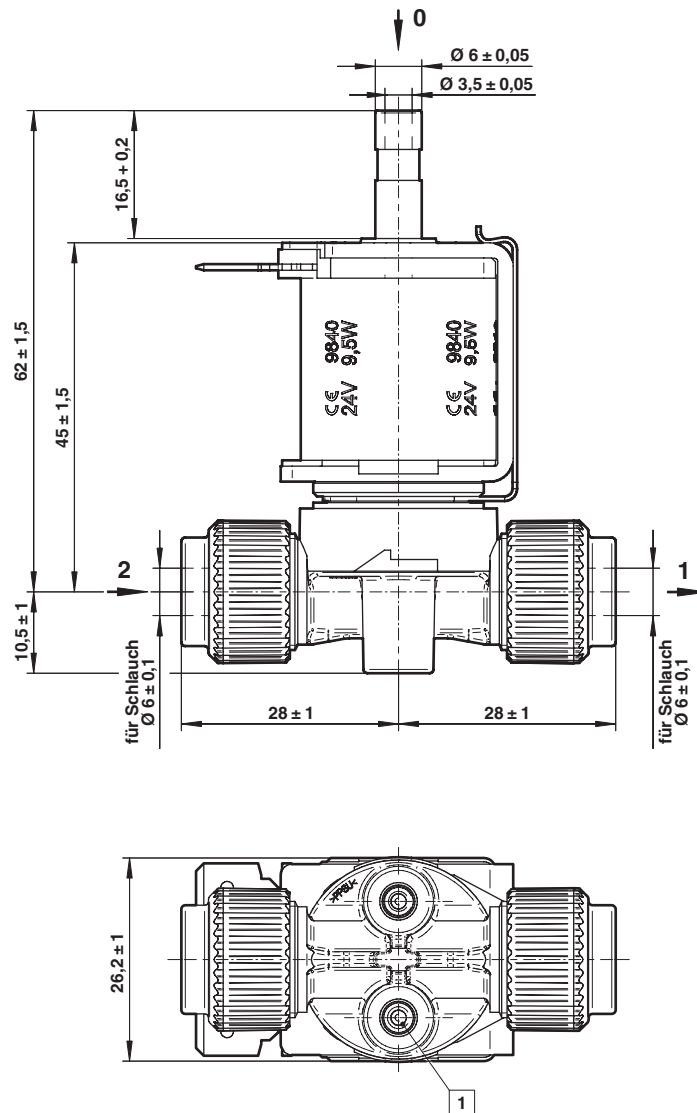
Electrical details for all solenoid systems

According to DIN VDE 0580 at a solenoid temperature of +20°C.
At operating state temperature the input power of a coil decreases by up to
ca. 30% due to physical reasons.

Dimensions

8590420.9846.02400

Dimensions in mm
Projection/first angle



1 Mounting holes
 $\varnothing 3,8 \pm 0,05 \times 9,5 \pm 0,05$ mm deep

Note to Electromagnetic Compatibility Guideline (EEC):

The valves shall be provided with an electrical circuit which ensures the limits of the harmonised standards EN 61000-6-3 and EN 61000-6-1 are observed, and hence the requirements of the Electromagnetic Compatibility Guideline (2014/30/EU) satisfied.