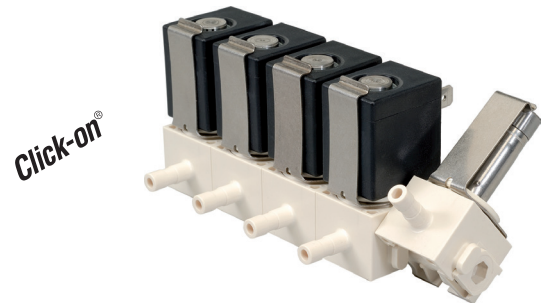


8590440 2/2-way seat valves (interlinked)

- Port size: DN 2,2
- Solenoid interchangeable without tools (Click-on®)
- Valve operates without differential pressure
- Manifold and easy interlinked
- For the use with standard push in fittings
- Good corrosion resistance
- Increased service life
- Low maintenance
- International approvals



Technical features

Medium:
Neutral gases and liquid fluids

Switching function:
Normally closed

Version:
Directly solenoid actuated

Mounting position:
Preferably solenoid vertical on top, other positions on request

Flow direction:
Determined

Port size:
Standard (Tube push-in fitting)
ø 6 mm
(O/D 6 mm, I/D 4 mm)
OD tube tolerance $\pm 0,1$ mm

Operating pressure:
0 ... 16 bar (0 ... 232 psi)

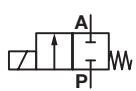
Fluid temperature:
0 ... +125°C (+32 ... +257°F)

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 outside/inside (mm)	Orifice (mm)	Flow kv value *1) (m³/h)	Operating pressure *2) (bar) (psi)		Weight *3) (kg)	Model
	6/4	2,2	0,12	0 ... 16	0 ... 232	0,10	8590440.9837.xxxxx

xxxxx Please insert voltage and frequency codes

*1) Cv-value (US) $\approx$ kv value x 1,2

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

*3) Valve only



Option selector

Orifice (mm)	Substitute
2,2	440

8590***.9837.*****

Frequency	Substitute
See table frequency codes	xx
Voltage	Substitute
See voltage codes	xxx
Solenoid options	Substitute
Voltage 24 V d.c.	9837
d.c. 11 W	
Voltage range +0% / -5%	
Duty cycle	
50% ED 1 min SD	
Terminals 6,3 x 0,8	
Protection class IP 00	

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

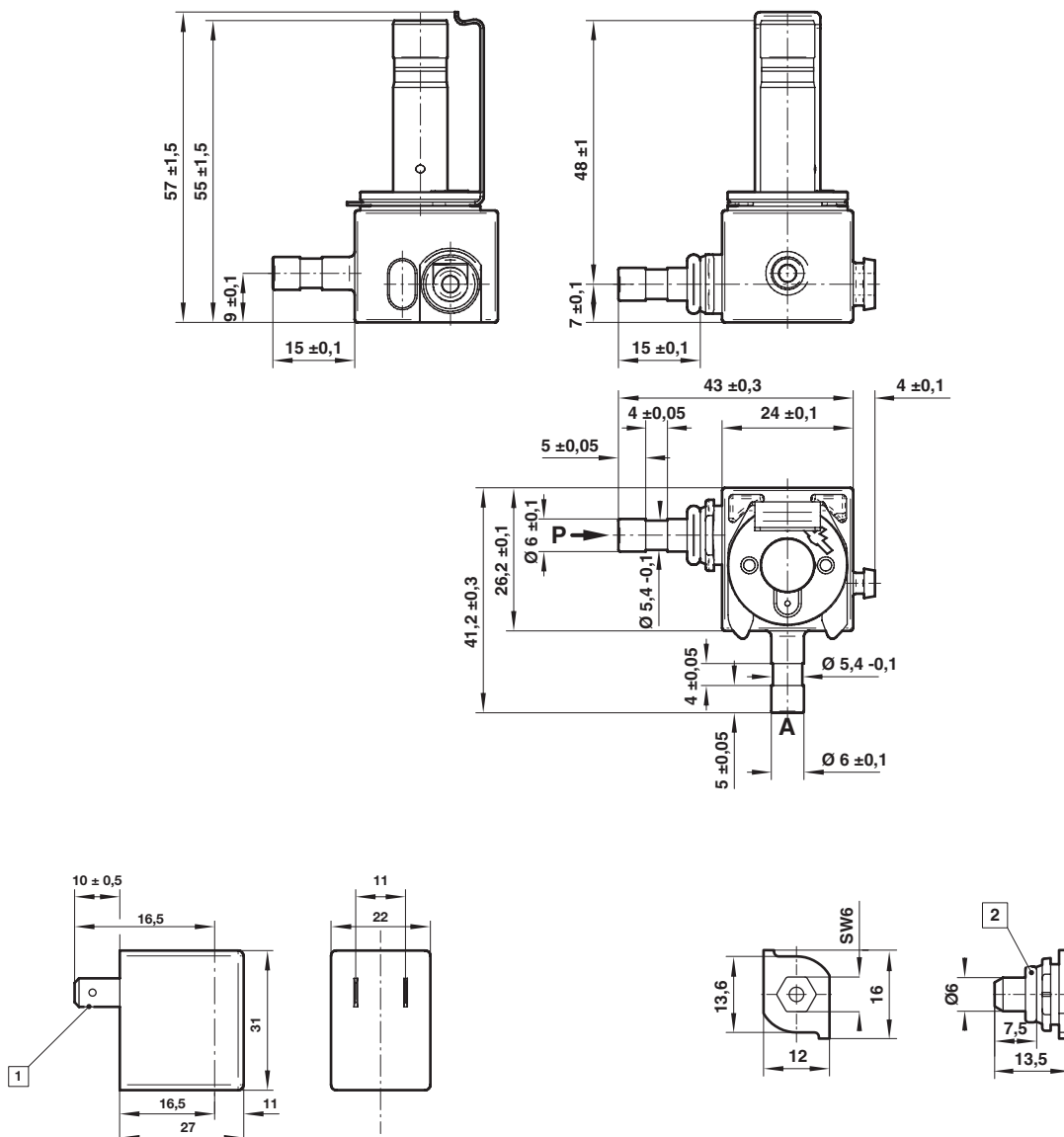
Electrical details for all solenoid systems

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

8590440.9837.02400

Dimensions in mm
Projection/first angle



Recommendation:

- Max. 7 valves interlinked
- Please fix interlinked manifold at the beginning and at the end with screw

1 Terminals 6,3 x 0,8 mm

2 Plug (1711891)

Please use the O-Ring
(No. 12 734 43) from the first valve
station or order it separately.

Note to Pressure Equipment Directive (PED):

The valves of this series are according to Art. 4 § 3 of the Pressure Equipment Directive (PED) 2014/68/EU. This means interpretation and production are in accordance to engineers practice wellknown in the member countries. The CE-sign at the valve does not refer to the PED. Thus the declaration of conformity is not longer applicable for this directive.

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.