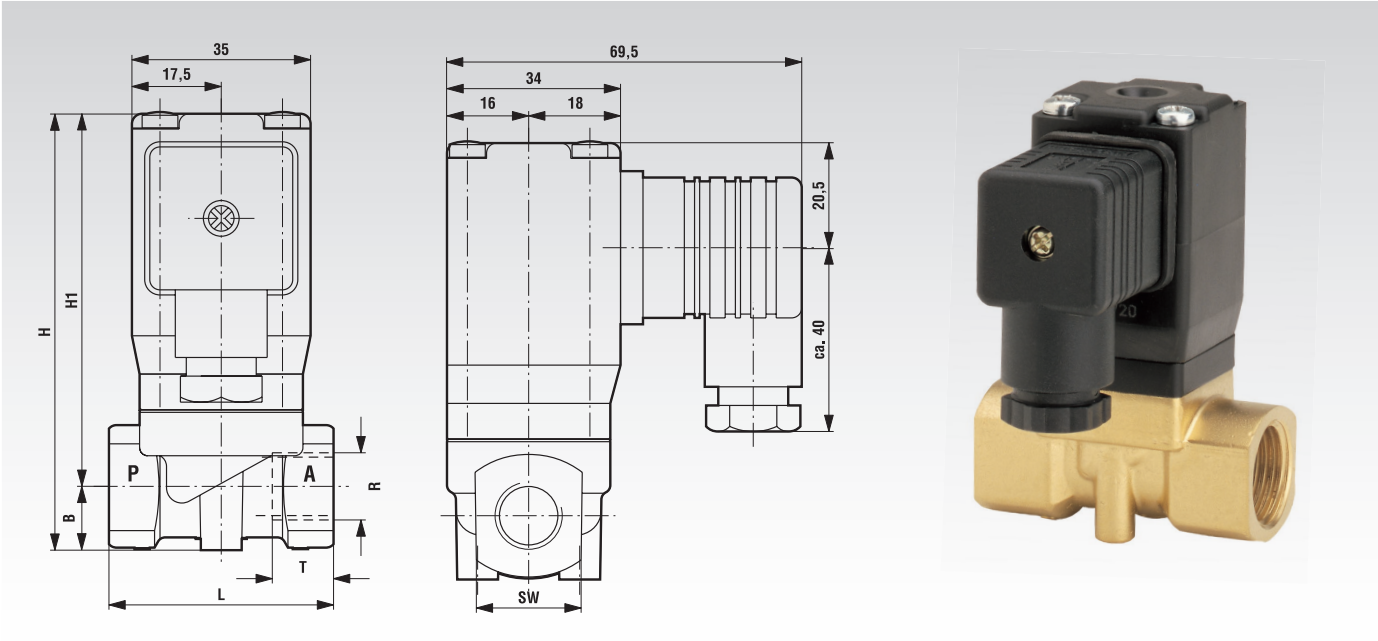
2/2 Solenoid Valves DN 10, Short Version, Nominal diameter 10 mm



Material:
Housing: Brass, PA66.
Seat seal: NBR (Perbunan).
Internal parts: 1.4104, 1.4303, PVDF.

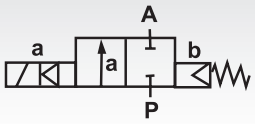
- For neutral gaseous and liquid fluids.
- Electromagnetically actuated valve, with forced valve lifting.
- Diaphragm valves.
- Connection internal thread G1/4 to G1/2.
- Operating pressure 0 to 10 bar (up to 25 mm^2/s cSt).

For contaminated fluids insertion of a strainer is recommended.

Description (standard unit):
Solenoid valve for, e.g., air , water, oil.
Switching function: Normally closed.
Flow direction: determined.
Fluid temperature: -10°C to +90°C.
Ambient temperature: -10 °C to +50°C.
Mounting position: optional, preferably solenoid vertical on top.

Features
- Suitable for vacuum.
- Clear design.
- Compact solenoid with integrated core tube.
- Valve works without minimum pressure difference (Zero ΔP).
- Operating pressure 0 - 20 bar with alternating voltage and NBR seal.

Symbol



Ordering details: e.g.: Product No., Voltage, Connection

Product No.	Voltage	Connection (Thread)	B mm	H mm	H1 mm	L mm	SW mm	T mm	kv-Value* Base m^3/h	Weight kg
851 114 11	24V DC	G1/4	14	87	73	44	21	12	1,5	0,5
851 114 12	230V 50/60Hz	G1/4	14	87	73	44	21	12	1,5	0,5
851 138 11	24V DC	G3/8	14	87	73	44	21	12	1,7	0,5
851 138 12	230V 50/60Hz	G3/8	14	87	73	44	21	12	1,7	0,5
851 112 11	24V DC	G1/2	14	90	74,5	60	27	15	1,7	0,6
851 112 12	230V 50/60Hz	G1/2	14	90	74,5	60	27	15	1,7	0,6

* Cv-Value (US) = kv-Value x 1.2.

Power consumption

According to DIN VDE 0580 at a coil temperature of +20°C. At operating state temperature of the solenoid (DC) the power consumption decreases, for physical reasons by up to approx. 30%.

DC	AC	
	Inrush	Holding
12 W	20 VA	16 VA

Magnet

Design according to VDE 0580.
Voltage range ±10%.
100% duty cycle.
Protection class acc. to EN 60529 IP65.
Socket acc. to DIN EN 175301-803 (in accessory box).intermitten