- **Port size: DN 10, 1/4" ... 1/2" (ISO G/NPT)**
- **Small size drain or shut off valve**
- **Suitable for vacuum**
- **Compact solenoid with integrated core tube**
- **Valve operates without differential pressure**
- **Brass body**
- **Wide temperature range**
- **Shock and vibration tested to EN 61373, Category 1, class A and B**

EN 61373

+90°C (+176°F)

-10°C (-14°F)

Technical features

Medium:
Neutral gases and liquids e. g. air, water, oil
Switching function:
Normally closed
Operation:
Solenoid actuated, with forced lifting
Mounting position:
Optional, preferably solenoid vertical on top

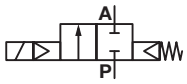
Flow direction:
Determined
Port size:
G1/4, G3/8, G1/2, 1/4 NPT, 3/8 NPT, 1/2 NPT
Operating pressure:
0 … 10 bar (0 ... 145 psi)

Fluid temperature:
–10° ... +90°C (+14° ... +194°F)
Ambient temperature:
–10° ... +50°C (+14° ... +122°F)
Storage temperature:
-40°C (-40°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F)

Material:
Body: Brass (CW617N), PA66
Seat seal: NBR
Internal parts: Stainless steel, PVDF

For contaminated fluids insertion of a strainer is recommended.

2/2 way Normally closed valves

Symbol	Port size	Orifice (mm)	Valve length (mm)	Flow kv value *1) (m^3/h)	Operating pressure *2) (bar)	Weight (kg)	Model Solenoid in V d.c./a.c.
	G1/4	10	44	1,5	0 ... 10	0,5	8253000.8001.xxxxx
	1/4 NPT	10	44	1,5	0 ... 10	0,5	8263000.8001.xxxxx
	G3/8	10	44	1,7	0 ... 10	0,5	8253100.8001.xxxxx
	3/8 NPT	10	44	1,7	0 ... 10	0,5	8263100.8001.xxxxx
	G1/2	10	60	1,7	0 ... 10	0,6	8253200.8001.xxxxx
	1/2 NPT	10	60	1,7	0 ... 10	0,6	8263200.8001.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 mm^2/s (cSt)

Option selector

82★3★★★.8001.★★★★★

Thread form	Substitute
ISO G	5
NPT	6
Port size	**Substitute**
1/4"	0
3/8"	1
1/2"	2
Valve options	**Substitute**
Seat seal FPM, for fuel and oil, max. fluid temperature +110°C	03
Seat seal EPDM, for hot water, max. fluid temperature +110°C	14

Frequency	Substitute
See table frequency codes	xx
Voltage	**Substitute**
See Voltage codes	xxx

Standard solenoid systems

Voltage and Frequency Solenoid 8001 *1)

Code Voltage	Code Frequency	Voltage	Frequency	Power consumption	
				Inrush	Holding
024	00	24 V d.c.	-	12 W	12 W
036	00	36 V d.c.	-	12 W	12 W
110	00	110 V d.c.	-	12 W	12 W
024	50	24 V a.c.	50 Hz	20 VA	20 VA
110	50	110 V a.c.	50 Hz	20 VA	20 VA
230	50	230 V a.c.	50 Hz	20 VA	20 VA
120	60	120 V a.c.	60 Hz	20 VA	20 VA
220	60	220 V a.c.	60 Hz	20 VA	20 VA

Electrical details for all solenoid systems

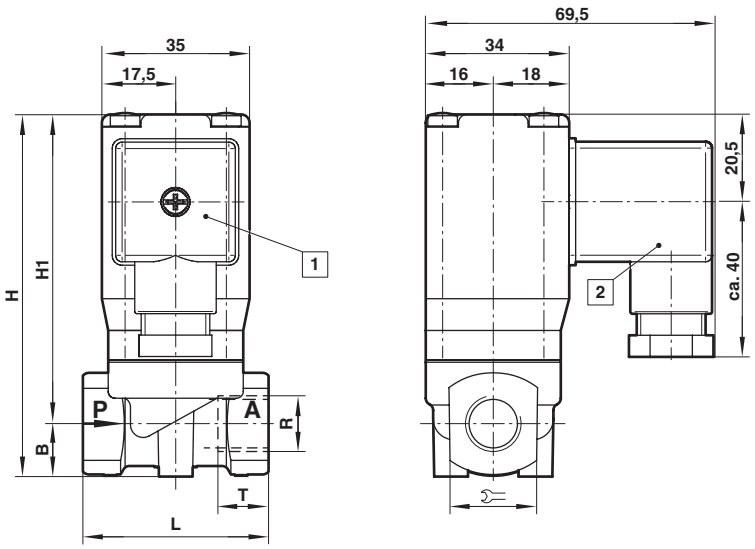
Design	DIN VDE 0580
Voltage range	±10%
Duty cycle	100% ED
Protection class	EN 60529 IP65
Socket	Form A acc. to DIN EN 175301-803 (included)

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

G1/4 ... 1/2
1/4 ... 1/2 NPT

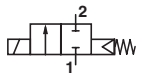
Dimensions in mm
Projection/First angle



1 Solenoid rotatable 360°
2 Socket turnable 4 x 90°
(Socket included)

Port size R	B	H	H1	L	⌲	T	Model
G1/4	14	87	73	44	21	12	8253000.8001.xxxxx
1/4 NPT	14	87	73	44	21	10	8263000.8001.xxxxx
G3/8	14	87	73	44	21	12	8253100.8001.xxxxx
3/8 NPT	14	87	73	44	21	10	8263100.8001.xxxxx
G1/2	14	90	74,5	60	27	15	8253200.8001.xxxxx
1/2 NPT	14	90	74,5	60	27	13	8263200.8001.xxxxx

Special applications

Symbol	Application	Port size	Orifice (mm)	Flow kv value (m³/h)	Operating pressure (bar)	Fluid temperature	Ambient/ Pilot temperature	Sealing	Voltage (V d.c.)	Model
	Clean water /air	G1/4	4	0,37	0 … 0,25	-10 ... +90°C	-10 ... +50°C	NBR	24	8496874.8080.02400
	Hand wash basin tab	G1/4	5	0,17	0 … 0,2	0 ... +50°C	0 ... +50°C	EDPM	24	8495896.8087.02400
	Hand wash basin tab	G1/4	5	0,17	0 … 0,2	0 ... +50°C	0 ... +50°C	EDPM	36	8495896.8087.03600
	Hand wash basin tab	G1/4	5	0,17	0 … 0,2	0 ... +50°C	0 ... +50°C	EDPM	110	8495896.8087.11000
	Clean water /air	G3/8	10	1,7	0 … 1,0	0 ... +40°C	-10 ... +40°C	NBR	24	8497834.8080.02400

Warning

These products are intended for use in industrial compressed air and rail transport systems only. Do not use these products where pressures and temperatures can exceed those listed under **»Technical features/data«**.
Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult IMI BUSCHJOST.
Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.
System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.
System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.