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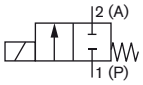
2/2 and 3/2 way Rocker Solenoid Valve for analytical applications

- 16 mm width
- Orifice DN2.0 - DN3.0 with pressure range vacuum to 5 bar
- Medium separation, for aggressive fluids
- High back-pressure tightness
- Direct acting

Type 6626 combines the reliable and successful Rocker principle with a highly innovative new actuator. The TwinPower concept of this actuator reduces the size greatly without loss in performance. Hence the 16 mm wide medium isolated rocker valve, 6626, with a 3.0 mm orifice and a pressure resistance of 2 bar, provides the same performance as a traditional 22 mm valve. In addition, the integrated power reduction decreases the energy consumption by 75 %. In combination with other design features the heat transfer into the medium can be reduced to a minimum.

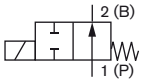
In the design of the 6626, the main benefits lie in its excellent cleanability and a high reliability. By using high performance materials the 6626 suits the handling of aggressive medium perfectly. The valve is available in a 2-way and 3-way version.

Circuit function A



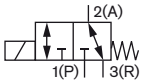
2/2 way direct-acting solenoid valve, normally closed

Circuit function B



2/2 way direct-acting solenoid valve,normally open

Circuit function T

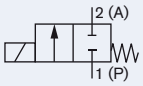
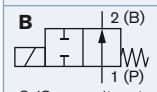
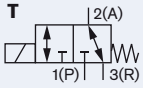


3/2 way direct-acting solenoid valve, flow direction optional

Technical Data	
Orifice	DN2.0 mm, DN3.0 mm
Body material	PEEK, PPS
Seal material	FFKM, FKM, EPDM
Medium	Resistant to neutral and aggressive gases and liquids acc. to our chemical resistance chart
Medium temperature FFKM FKM EPDM DN2.0 EPDM DN3.0	 +15 °C to +50 °C -10 °C to +50 °C -10 °C to +50 °C +5 °C to +50 °C
Ambient temperature FFKM FKM EPDM DN2.0 FFKM DN3.0	 +15 °C to +55 °C -10 °C to +55 °C -10 °C to +55 °C +5 °C to +55 °C
Internal volume	< 470 µl
Port connection	Sub-base, UNF, G ⅛, Tube
Electrical connection	Flying leads, Rectangular plug
Power supply	24 V[1], 12 V[1]
Voltage tolerance	24 V ± 10 %[2] 12 V + 10 % / - 5 %[2]
Nominal power consumption	13.6 W inrush power 3.4 W nominal holding power (internal power reduction)
Duty cycle	100 % continuous rating
Installation	As required
Protection class	IP40
Switching frequency	max. 2 Hz[3]
Response times[3] opening closing	Acc. DIN 12238 ca. 10 ms (Pressure rise 0-10 %) ca. 15 ms (Pressure drop 100-90 %)

[1] Battery voltage, observe polarity (red= +, black = –)
[2] Max. allowed ripple
[3] with ambient temperature of 20 °C

Ordering chart

Circuit function	Orifice [mm]	Port connection	K_V value water [m³/h] [1]	Pressure range [bar] [2]	Max. pressure difference [bar]	Seal material	Body material	Electrical connection	Voltage/ Frequency [V/Hz]	Article no.
A  2/2 way direct-acting solenoid valve, normally closed	2.0	Sub-base	0.10	vac -3 (vac -5)	3 (5)	EPDM	PPS	Rectangular Plug[3]	12	247769
									24	247771
				vac -3 (vac -3)	3 (3)	FFKM	PEEK	Flying Leads	12	247775
				vac -3 (vac -4)	3 (4)	FKM	PPS		24	247786
		UNF		vac -3 (vac -3)	3 (3)	FFKM	PEEK			251709
				vac -3 (vac -4)	3 (4)	FKM		Rectangular Plug[3]		252770
		G ⅛		vac -3 (vac -3)	3 (3)	FFKM		Flying Leads		234278
	3.0	Sub-base	0.19	vac -2 (vac -2)	2 (2)	EPDM	PPS	Rectangular Plug[3]	24	247797
						FFKM	PEEK			238530
						FKM	PPS		12	247816
								Flying Leads	24	247819
		UNF	0.15			FFKM	PEEK			251711
						FKM				252771
								Rectangular Plug[3]		252772
		Tube	0.19			EPDM				247789
						FFKM		Flying Leads		228642
						FKM		Rectangular Plug[3]		247810
B  2/2 way direct-acting solenoid valve,normally open	2.0	Sub-base	0.10	vac -3 (vac -3)	3 (3)	FFKM	PEEK	Flying Leads	24	252773
	3.0		0.19	vac -2 (vac -2)	2 (2)			Rectangular Plug[3]		242597 / 245910
T  3/2 way direct-acting solenoid valve, flow direction optional	2.0	Sub-base	0.10	vac -3 (vac -5)	3 (5)	EPDM	PPS	Rectangular Plug[3]	24	247826
				vac -3 (vac -3)	3 (3)	FFKM	PEEK	Flying Leads	12	247829
				vac -3 (vac -4)	3 (4)	FKM	PPS		24	247841
								Rectangular Plug[3]	12	247838
		UNF		vac -3 (vac -3)	3 (3)	FFKM	PEEK	Flying Leads	24	251713
				vac -3 (vac -4)	3 (4)	FKM				252774
								Rectangular Plug[3]		252775
	3.0	Sub-base	0.19	vac -2 (vac -2)	2 (2)	EPDM	PPS	Rectangular Plug[3]	12	247851
									24	247853
						FFKM	PEEK	Flying Leads		234371
								Rectangular Plug[3]		238531
						FKM	PPS		12	247874
								Flying Leads	24	247877
		UNF	0.15			EPDM	PEEK	Rectangular Plug[3]		252776
						FFKM		Flying Leads		251715
		G ⅛	0.19			FKM		Rectangular Plug[3]		247872
		Tube				EPDM				247844
						FFKM		Flying Leads		247859
								Rectangular Plug[3]		247858
						FKM		Flying Leads		247869

[1] Measured at + 20 °C, 1 bar pressure at value inlet and free outlet.
[2] Measured as overpressure with respect to atmospheric pressure.
[3] Please order the rectangular plug separately. For selection possibilities see accessories.
Note: ( ) Values in brackets are only for gas mediums.

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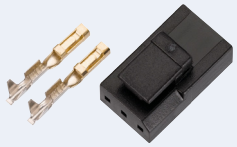
Ordering chart accessories

Rectangular plug Type 2505

	Accessories	Article no.
	Rectangular plug with 3 m cable	133486
	Rectangular plug with 300 mm flying leads	644068
	Rectangular plug, single contact for individual mounting	644067

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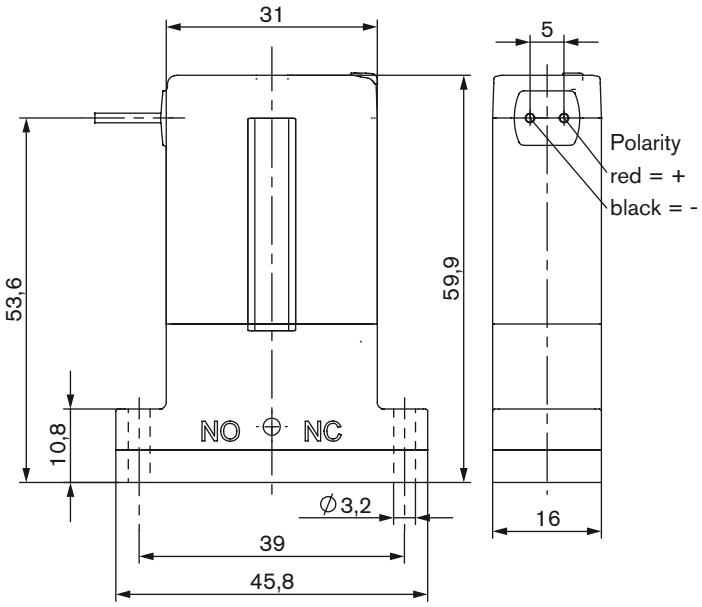
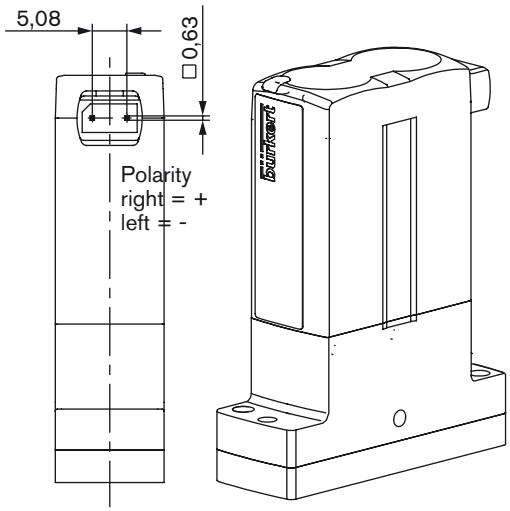
Dimensions [mm]

Electrical connections: flying leads

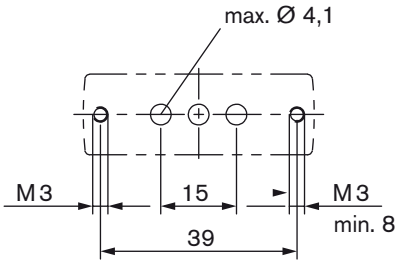


Electrical connections: rectangular plug

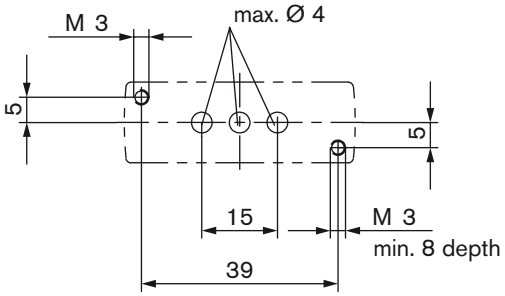


Sub-base body for 3/2 way connection

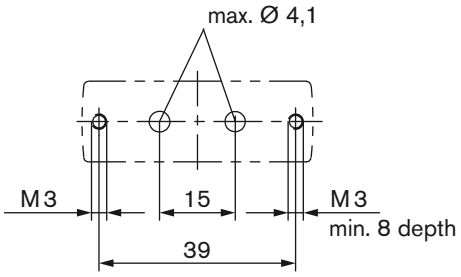
preferred threaded connection

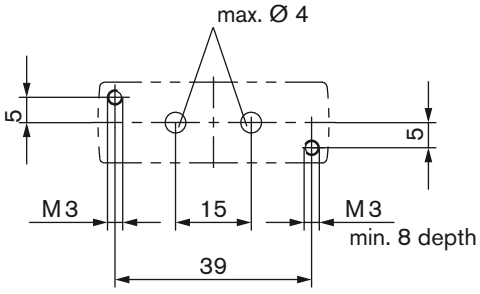


further possible threaded connection



Sub-base body for 2/2 way connection





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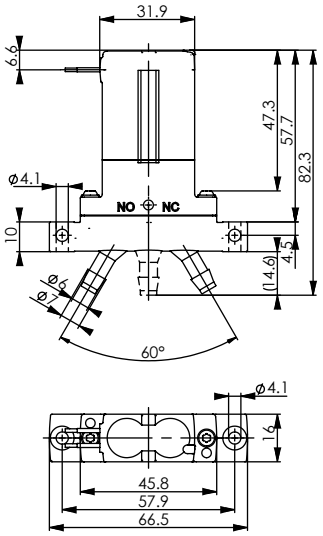
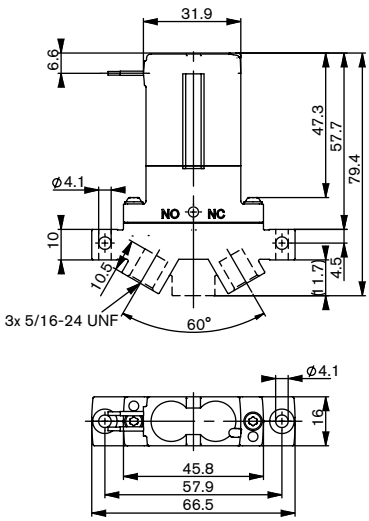
Dimensions [mm]

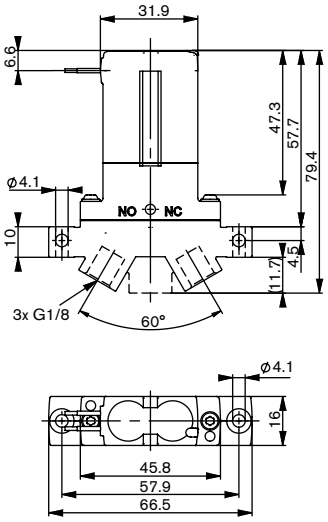
Body, tube connector



Body, UNF 5/16" -24



Body, G1/8



Application examples

Tube 2-way

Tube 3-way

UNF 2-way

UNF 3-way

To find your nearest Bürkert facility, click on the orange box → **www.buerkert.com**

In case of special application conditions, please consult for advice.

Subject to alterations

1802/4_EU-en_00895195

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