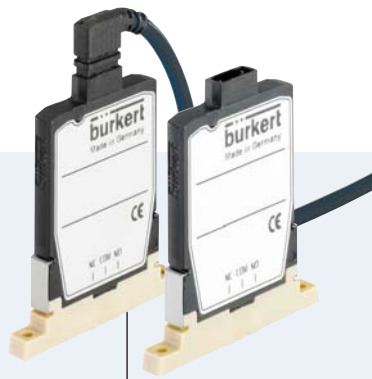
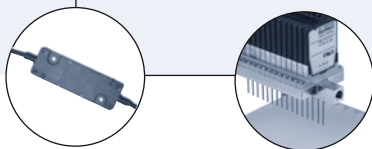


2/2 and 3/2-way flipper solenoid valve for analytical applications



Type 6650 can be combined with...



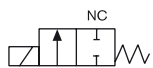
Hit and hold electronic

Multiple manifolds

- Only 4.5 mm wide
- Medium isolation, for aggressive fluids
- Direct-acting
- Vacuum up to 7 bar
- Short response times

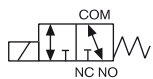
With a width of only 4.5mm, Type 6650 sets a new standard in medium isolation miniature solenoid valves. The optimized design enables reproducible and precise dosing, good rinsing capability and is suitable for the application of aggressive chemicals owing to the high quality of the materials used. With the two nominal sizes of 0.4 and 0.8mm, as well as the selection between 2/2-way and 3/2-way function, it is ideal for applications where the highest fluid performances are required in the smallest space. Type 6650 opens up new possibilities, owing to the 4.5mm station width, in particular in connection with dosing in 384-well micro-titerplates. Based on the well-known flipper principle (Type 0330) it is tied to the success history of the legendary Type 127.

Circuit function A



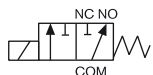
2/2-way valve,
normally closed

Circuit function T



3/2-way valve,
universal version

Circuit function F

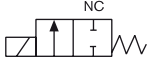




3/2-Wege-Ventil,
distributor valve

Technical data	
Orifice	DN 0.4 and 0.8 mm
Body material	PEEK
Seal material	FFKM (Simriz)
Medium	Resistant to neutral and aggressive fluids and gases; see Bürkert resistance table
Medium temperature	+15 .. +50°C
Ambient temperature	+10 .. +50°C
Internal volume	approx. 30 µl
Port connection	Flange
Electrical connection	Plug with flying leads and integrated power reduction electronic or plug with flying leads
Operating voltages	24V (12V on request)
Voltage tolerance	±10%
Nominal power	5.7 W inrush power (for 5ms) 0.7 W holding power
Duty cycle	100% continuous operation with power reduction electronic
Installation	As required; with side by side connection standard polarity is adhered to
Protection class	IP65
Switching frequency	Max. 80Hz ¹⁾
Response times	<5ms (acc. to ISO 12238)

¹⁾ In continuous operation with hit and hold electronic max. 15Hz.
For higher frequency see operating instructions for max. operation.

Ordering chart

Circuit function	Orifice [mm]	Kv value water [m ³ /h] ¹⁾	Pressure range [bar] ²⁾	Max. pressure difference [bar]	Voltage [V]	Nominal power [W] (Inrush-/ nominal holding power)	Item no.
A 2/2-way valve NC 	0,4 ³⁾	0,004	Vac.-7	7	24	5,7/0,7	182 284
	0,8 ⁴⁾	0,010	Vac.-3	3	24	5,7/0,7	226 664
T 3/2-way valve universal version 	0,8	0,010	Vac.-1	1	24	5,7/0,7	189 292
T 3/2-way valve distributor valve 	0,8	0,010	Vac.-3	3	24	5,7/0,7	227 020

¹⁾ Measured at +20 °C, 1 bar pressure at valve inlet and free outlet.

²⁾ Measured as overpressure to the atmospheric pressure.

³⁾ With orifice 0,4mm flow permitted in both directions

⁴⁾ With orifice 0,8mm flow direction according to label.

Mounting screws: VA 2x M2x8

i Further versions on request

 - 12V on request (external power reduction necessary)

Dimensions [mm]

