

3/2 way Miniature Rocker Solenoid Valve for pneumatic systems

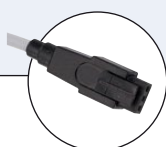
- Direct-acting
- High cycling rate
- Reduced power consumption
- CNOMO and Bürkert flange interface
- ATEX Ex ia on request

Type 6106 can be combined with...



Type 2506

Cable plug



Type 2505

Rectangular cable plug



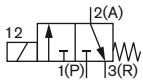
Manifolds

The direct-acting rocker solenoid valve type 6106 is especially designed for neutral gaseous mediums.

The heat input in the medium is minimal, because the housing is separated from the coil by a stainless steel plate.

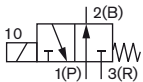
The valves can be mounted directly or also single or manifold mounted. They are used for dosing, filling, mixing and distributing small quantities of medium.

Circuit function C



3/2 way direct-acting solenoid valve, normally closed

Circuit function D



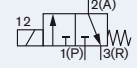





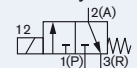


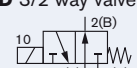


3/2 way direct-acting solenoid valve, normally open

Technical data

Orifice	DN0.9 and 1.2 mm, other on request
Body material	PA (polyamide)
Seal material	FKM
Media	Compressed air, neutral gases (5 µm filtering) technical vacuum
Media temperature	-10 to +55 °C
Ambient temperature	-10 to +55 °C
Port connection	Bürkert flange below, CNOMO flange sideways
Operating voltages	12 V, 24 V DC, other voltages on request
Voltage tolerance	±10%
Power consumption	1 W and 2 W
Cycling rate	Approx. 1000/min
Duty cycle	100% continuous rating
Electrical connection	Tag connector sideways acc. to DIN EN 175301-803 (prev. DIN 43650) Form C for cable plug Type 2506, other on request
Protection class	IP20 with tag connector, IP65 with cable plug
Installation	As required, preferably with actuator upwards
Response times	acc. ISO 12238:2001; Measured at valve outlet at 6.3 bar and +20 °C
Opening	Approx. 25ms (pressure rise 0 to 10%)
Closing	Approx. 25ms (pressure rise 100% to 10%)

Ordering chart for valves (other versions on request)

All valves with manual override, tag connector sideways, mounting screws and flange seal, without cable plug

Circuit function	Port connection	Orifice [mm]	Q_{Nn} value air 1→2 [l/min]	Q_{Nn} value air 2→3 [l/min]	Pressure range [bar]	Power consumption [W]	Article no. per voltage/frequency [V/Hz]
C 3/2 way valve NC 	Bürkert	0.9	22	25	Vac.-8	1	126417 
	Bürkert	1.2	40	47	Vac.-10	2	126411 
D 3/2 way valve NO 	Bürkert	0.9	22	25	Vac.-8	1	126421 
	Bürkert	1.2	40	47	Vac.-10	2	126419 
C 3/2 way valve NC 	CNOMO	0.9	22	25	Vac.-8	1	126418 
	CNOMO	1.2	33	38	Vac.-10	2	126414 
D 3/2 way valve NO 	CNOMO	0.9	22	25	Vac.-8	1	126422 
	CNOMO	1.2	33	38	Vac.-10	2	126420 


Note: For alternating current, use a cable plug with a suitable rectifier.

Please note that the cable plug has to be ordered separately, see datasheet for Type 2506.

Weitere Ausführungen auf Anfrage

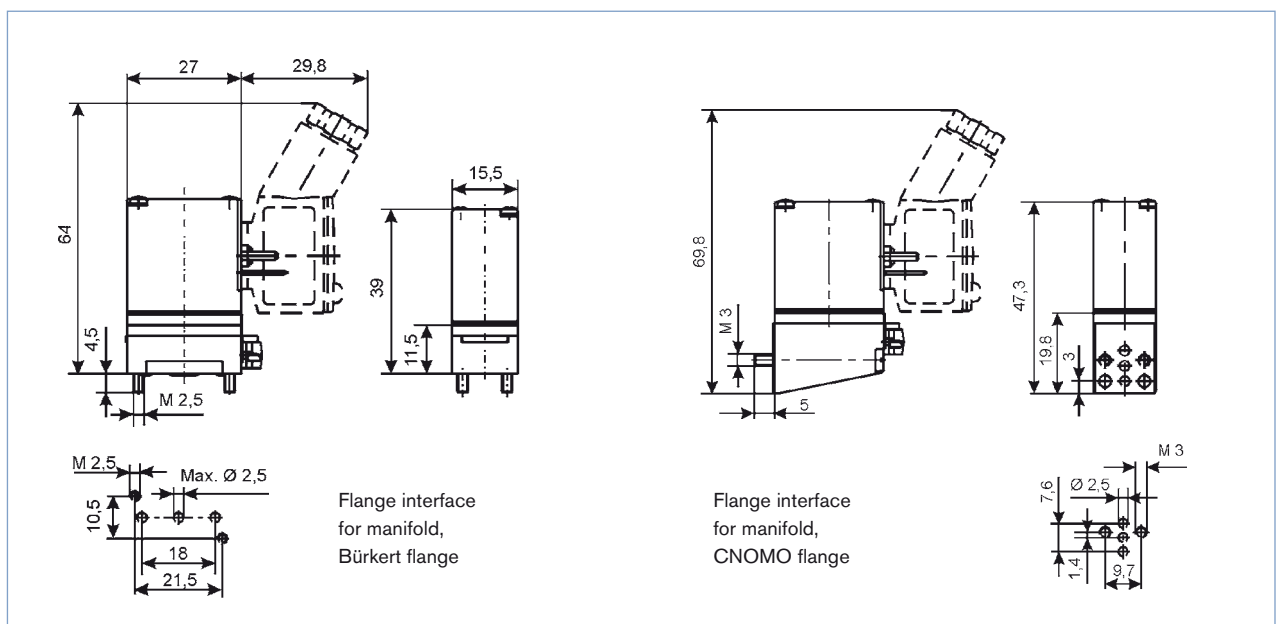
 **Port connection**
Flange, Cnomo, plug-in coupling, tube body

 **Approvals**
ATEX EEX I, UL /CSA

 **Electrical connections**
Industrial plug C, Bürkert Rectangular plug, Circular connector M8 ; flying leads

Note: Also available as an option without manual override.

Dimensions [mm]



Single manifolds for Bürkert flange [mm]

Manifold in aluminium, black anodised, port connection M5

Article no.
623873

Manifold in aluminium, black anodised, port connection G 1/8

Article no.
634917

Multiple manifolds for Bürkert flange 3-way [mm]

Manifold in aluminium, black anodised, port connection G 1/8 und M5

Manifold	A	B	n	Article no.
2-way	60	18	2	658695
3-way	78	36	3	658696
4-way	96	54	4	658697
5-way	114	72	5	658698
6-way	132	90	6	658699
8-way	168	126	8	658700
10-way	204	162	10	658701
12-way	240	198	12	658703
Blanking plate kit	for non-configured valve positions			629327

Single manifolds for CNOMO flange [mm]

Manifold for CNOMO flange, black anodised, port connection M5

Article no.
639885

Mounting kit, complete for standard rail TS35 x 7.5 mm

Article no.
629254






Multiple manifolds CNOMO flange 3-way

Manifold in aluminium, black anodised, port connection G 1/8 and M5







Manifold	L	Article no.
2-way	33	639887
3-way	49.5	639862
4-way	66	639863
5-way	82.5	639864
6-way	99	639865
8-way	132	639866
10-way	165	639867
12-way	198	639868
Blanking plate kit	for non-configured valve positions	639695

Ordering chart for accessories

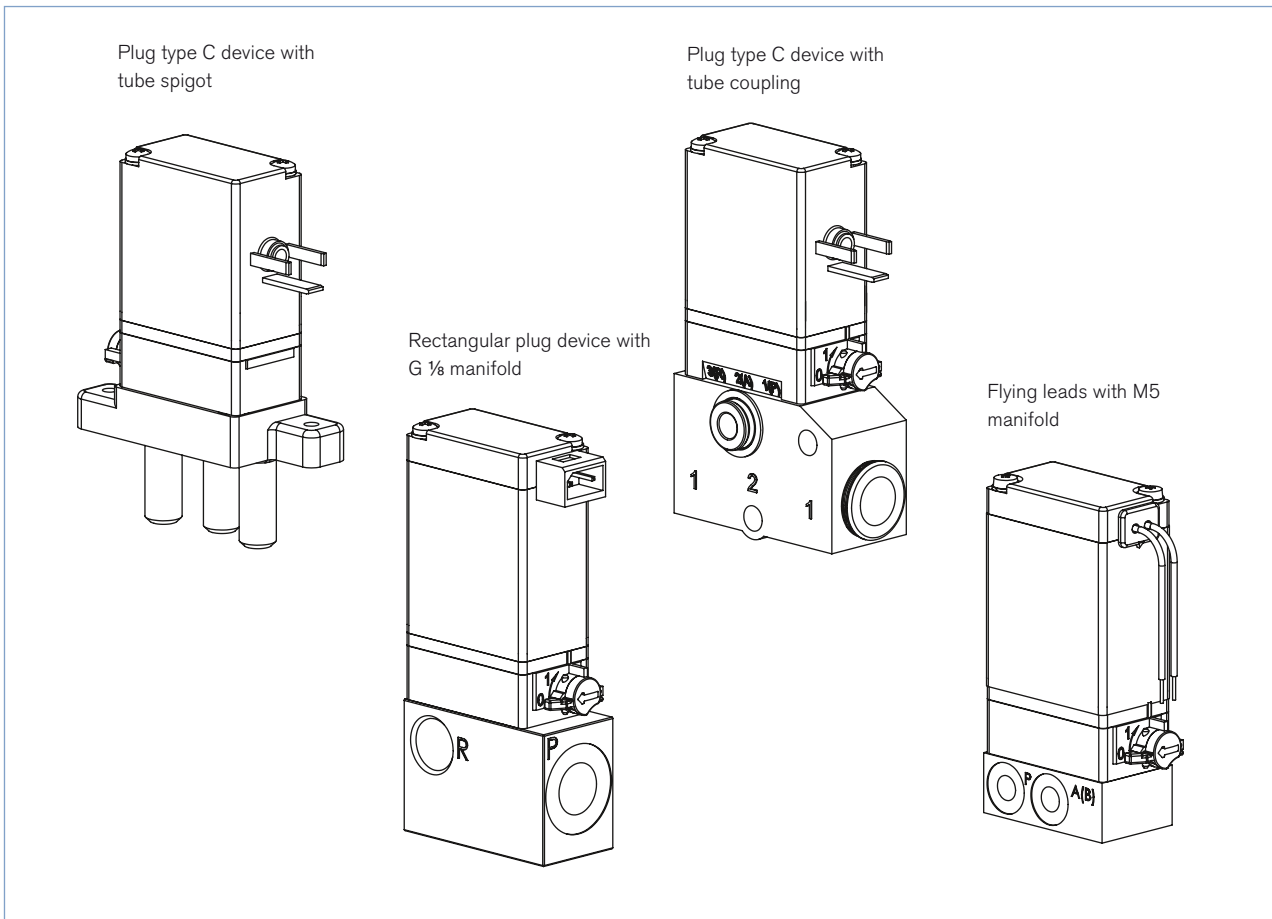
Cable plug type 2506 acc. DIN EN 175301-803 form C, with flat seal and mounting screw, without cable

	Cable plug type 2506	Voltage	Article no.
	without circuitry	0 - 250 V AC+DC	008353 
	with LED	12 - 24 V DC	008402 
	with LED and varistor	12 - 24 V DC	008408 
	with rectifier, LED and varistor	12 - 24 V AC+DC	008354 

Cable plug type 2505

	Type 2505 cable version	Article no.
	with 3 m cable	133486 
with 5 m cable	167494 	
	Type 2505 flying leads version	Article no.
	with 300 mm flying leads	644068 
	with 600 mm flying leads	162144 

Application examples



To find your nearest Bürkert facility, click on the orange box



www.burkert.com

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

Subject to alterations
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