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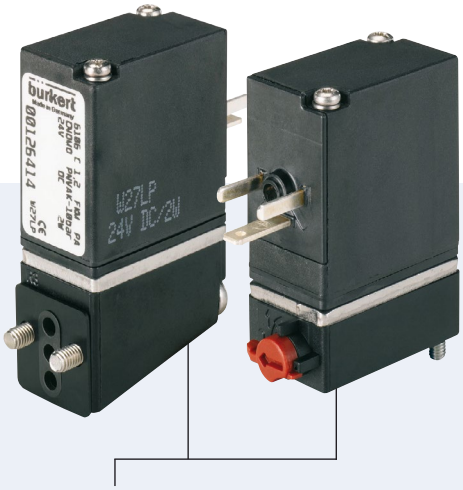
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bürkert
FLUID CONTROL SYSTEMS



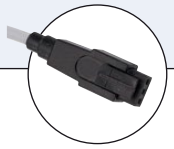
3/2 way Miniature Rocker Solenoid Valve for pneumatic systems

- 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



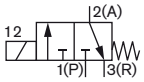
Manifolds

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.

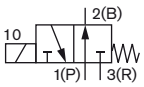
The valves can be mounted directly or also single or manifold mounted. They are used for dosing, filling, mixing and distributing small quantities of medium.

Circuit function C



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

Circuit function D



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

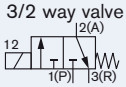
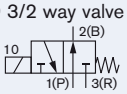
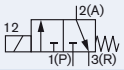
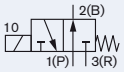
Technical data	
Orifice	DN0.9 and 1.2 mm, other on request
Body material	PA (polyamide)
Seal material	FKM
Media	Compressed air, neutral gases (5 µm filtering) technical vacuum
Media temperature	-10 to +55 °C
Ambient temperature	-10 to +55 °C
Port connection	Bürkert flange below, CNOMO flange sideways
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 sidewards 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%)

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Ordering chart for valves (other versions on request)

All valves with manual override, tag connector sidewards, 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] 024/DC
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

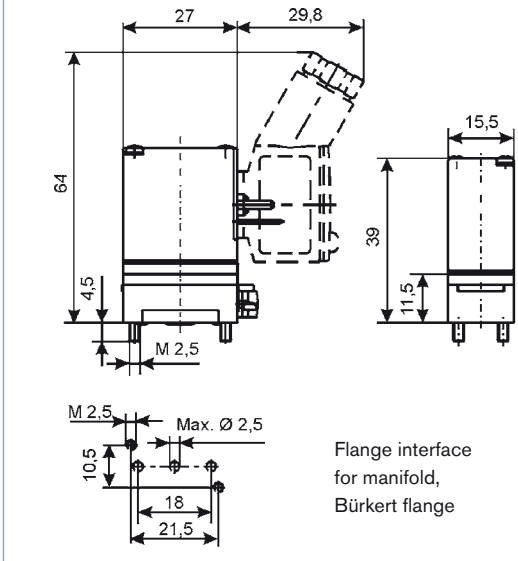
Port connection
Flange, Cnomo, plug-in coupling, tube body

Approvals
ATEX EEX I, UL /CSA

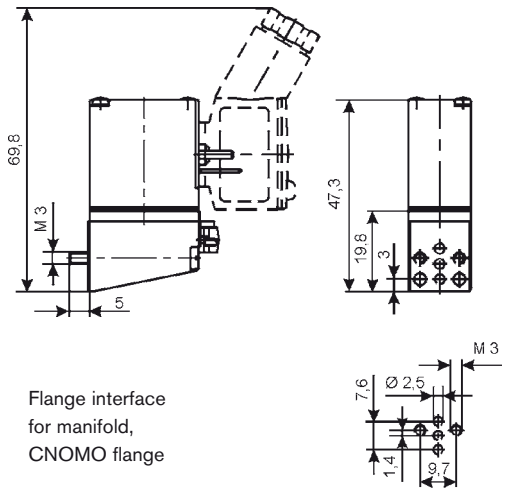
Electrical connections
Industrial plug C , Bürkert Rectangular plug, Circular connector M8 ; flying leads

Note: Also avaiable as an option whithout manual override.

Dimensions [mm]



Flange interface for manifold, Bürkert flange



Flange interface for manifold, CNOMO flange

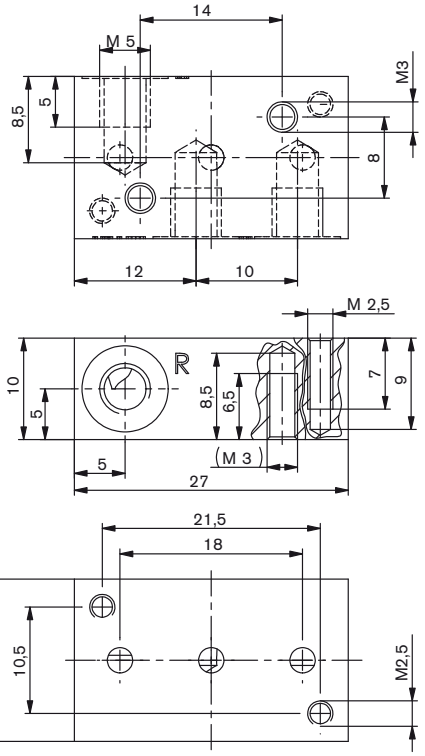
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Single manifolds for Bürkert flange [mm]

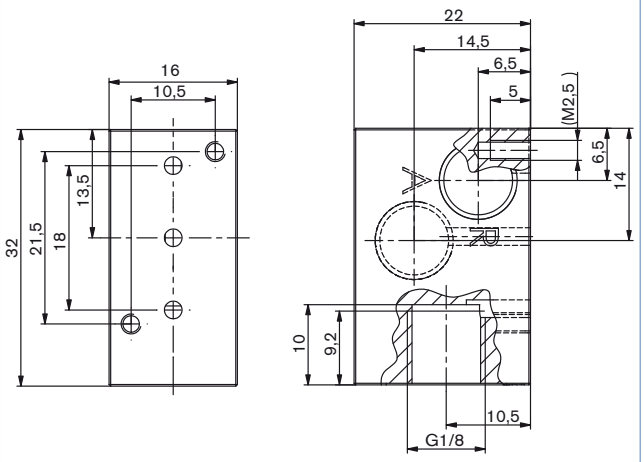
Manifold in aluminium,
black anodised, port connection M5

Article no.
623873



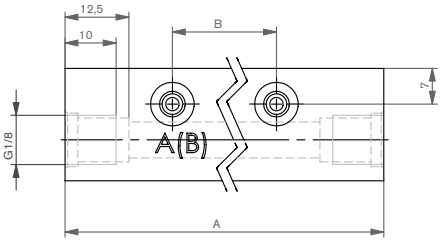
Manifold in aluminium,
black anodised, port connection G ⅛

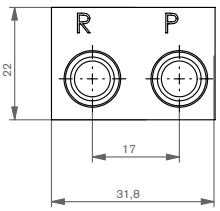
Article no.
634917

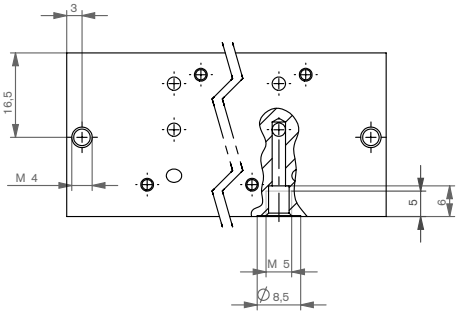


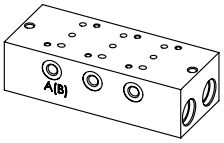
Multiple manifolds for Bürkert flange 3-way [mm]

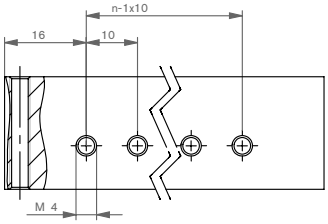
Manifold in aluminium, black anodised, port connection G ⅛ und M5











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

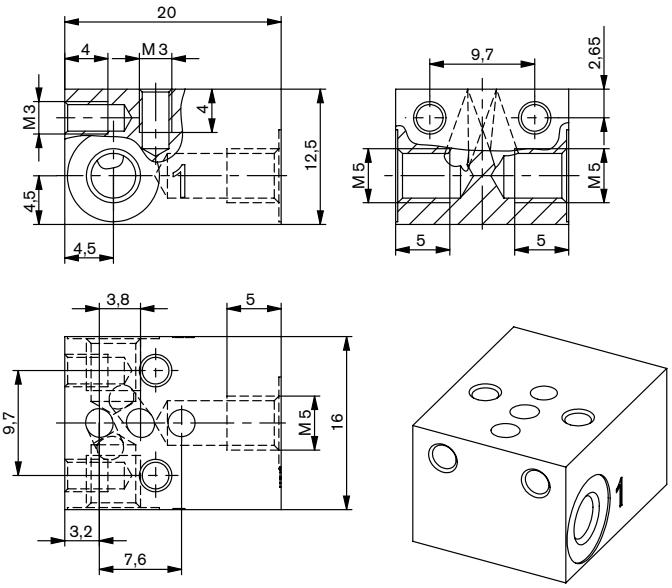
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Single manifolds for CNOMO flange [mm]

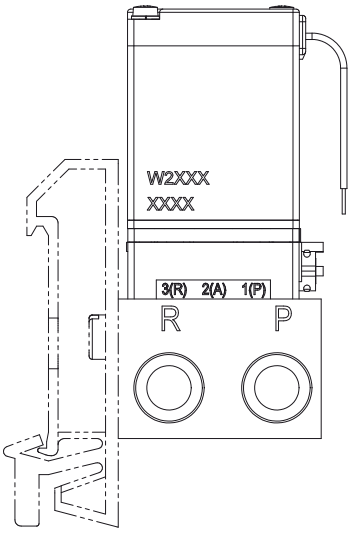
Manifold for CNOMO flange, black anodised, port connection M5

Article no.
639885

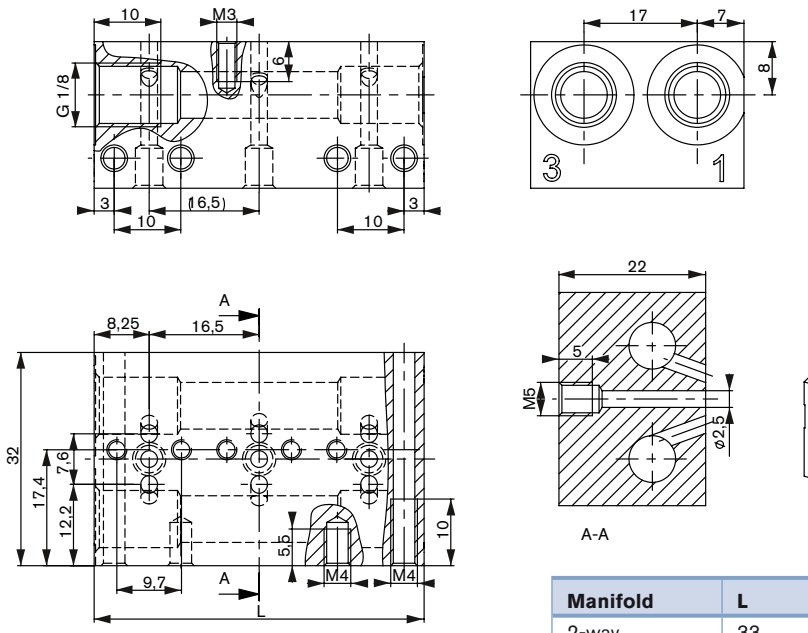


Mounting kit, complete for standard rail TS35 × 7.5 mm

Article no.
629254



Multiple manifolds CNOMO flange 3-way



Manifold in aluminium, black anodised, port connection G ⅛ and M5

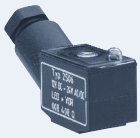
Manifold	L	Article no.
2-way	33	639887
3-way	49.5	639862
4-way	66	639863
5-way	82.5	639864
6-way	99	639865
8-way	132	639866
10-way	165	639867
12-way	198	639868
Blanking plate kit	for non-configured valve positions	639695

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Ordering chart for accessories

Cable plug type 2506 acc. DIN EN 175301-803 form C, with flat seal and mounting screw, whithout 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



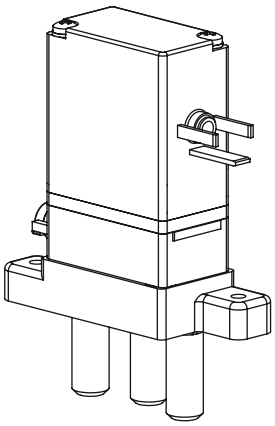
Type 2505 cable version	Article no.
with 3 m cable	133486
with 5 m cable	167494



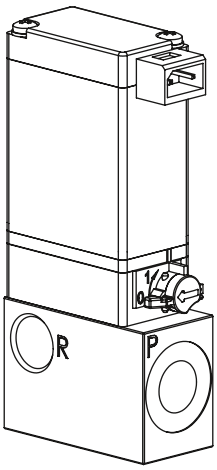
Type 2505 flying leads version	Article no.
with 300 mm flying leads	644068
with 600 mm flying leads	162144

Application examples

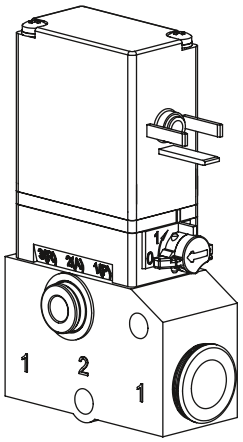
Plug type C device with tube spigot



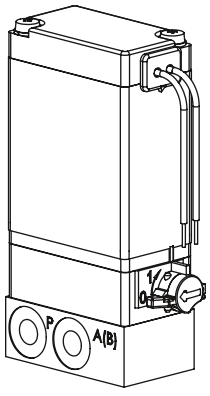
Rectangular plug device with G ⅛ manifold



Plug type C device with tube coupling



Flying leads with M5 manifold



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

Subject to alterations

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