

2/2 or 3/2 way Rocker-Solenoid Valve with separating diaphragm



Type 6126 can be combined with...



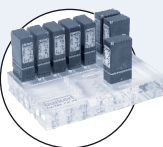
Type 2506

Cable plug Form C



Type 2505

Rectangular cable plug



Manifolds

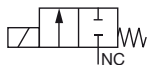
- Valve with isolating diaphragm
- Compact design with 16 mm width and CV ratings up to 0.058
- Flexible design for custom manifold assemblies
- High back pressure tightness, excellent cleanability and 100 % duty cycle
- Normally closed, normally open and universal function

The direct-acting rocker solenoid valve, Type 6126, is suitable for general applications in which compressed air, gases or slightly contaminated liquids are to be switched.

The medium is in contact exclusively with the housing material and the FKM seals. The heat input in the medium is minimal, because the housing is separated from the coil by a stainless steel plate.

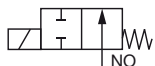
The valves can be mounted directly or also single or manifold mounted. They are used for dosing, filling, mixing and distributing small quantities of medium.

Circuit function 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

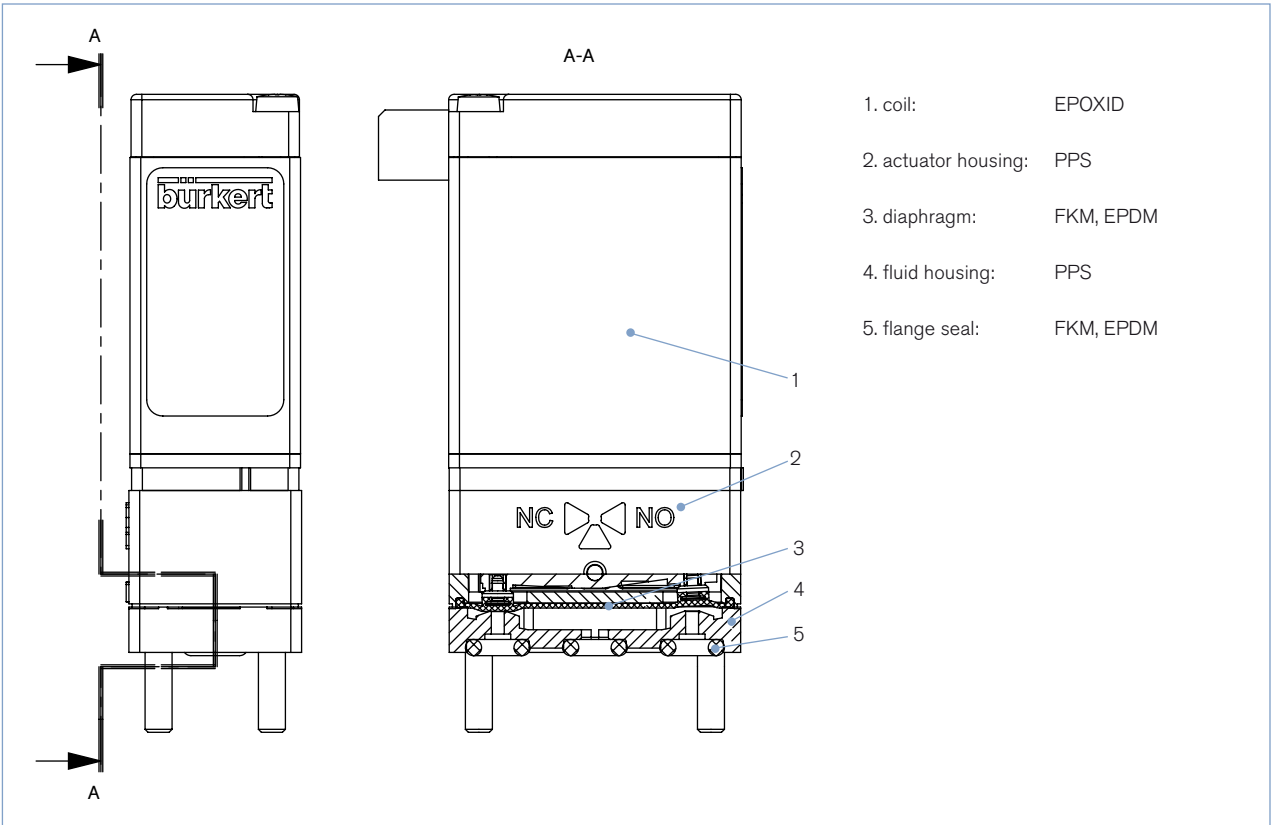
Technical data	
Orifice [mm]	DN0.8 - 1.6 (for details see ordering chart)
Body material	PPS
Seal material	FKM, EPDM
Medium	Resistant to neutral liquids and gases (see Bürkert chemical resistance chart)
Media temperature	- 10 to 55 °C ¹⁾
Ambient temperature	max. 55 °C
Viscosity	max. 21 mm ² /S
Internal volume with sub-base on request	starting at 44 µl < 10 µl ²⁾
Port connection	Bürkert sub-base (16 x 27 mm)
Electrical connection	Cable plug Type 2505 Tag connector acc. DIN 43650 C for Cable plug Type 2506 above 2 FEP-Flying leads, AWG 24, length 500 mm ³⁾
Operating voltage	12 and 24 V DC; other Voltages on request
Voltage tolerance	± 10 %
Power consumption	3.4 W
Duty cycle	continuous rating 100 % ED
Installation	as required, preferably with actuator upright
Protection class	IP65 with flying leads or cable plug IP40 with Rectangular plug
Response times	acc. ISO 12238:2001; Measured at valve outlet at 2 bar and + 20 °C Opening approx 25 ms (Pressure range 0 to 10 %) Closing approx 25 ms (Pressure range 100 to 90 %)

¹⁾ Temperature may vary depending on orifice and seal material. For further information see on page 2.

²⁾ The internal volume can vary depending on the housing. For further information see on page 2.

³⁾ Other electric connectors and other cable lengths upon request.

Materials



Detailed medium temperature (depending on material and orifice)

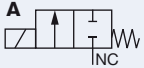
	Orifice	Seal material	Temperature range
media temperature	DN0.8	FKM	0 to +50 °C
	DN0.8	EPDM	-5 to +50 °C
	DN1.2 & 1.6	FKM	+5 to +50 °C
	DN1.2 & 1.6	EPDM	0 to +50 °C
media temperature with limitation on switching time and life expectancy	DN0.8	FKM	-5 to +55 °C
	DN0.8	EPDM	-10 to +50 °C
	DN1.2 & 1.6 ¹⁾	FKM	0 to +55 °C
	DN1.2 & 1.6	EPDM	-5 to +50 °C

¹⁾ upon request up to -15 °C available.

Detailed internal volume (depending on fluid housing)

Body	2-way low dead volume		2-way		3-way	
	fluid chamber	total	fluid chamber	total	fluid chamber	total
sub-base	44 µl	54 µl	97 µl	106 µl	90 µl	106 µl

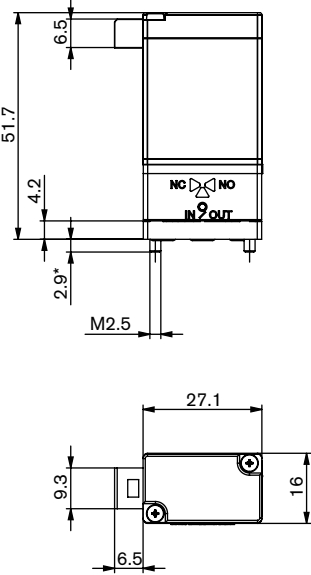
Ordering chart for Typ 6126

Circuit function	Orifice [mm]	Port connection	K _v value water [m³/h]	C _v value water [gal/min]	Q ₉₀ value air [l/min]	Pressure range [bar]	Seal material	Fluid housing material	Electrical connection	Voltage/frequency [V/Hz]	Article no.
A 2/2 way valve, direct-acting, normally closed	0.8	sub-base	0.015	0.017	16	Vac 0-6	FKM	PPS	Tag connector to side	012/DC	139151 
										024/DC	139088 
									Rectangular plug	024/DC	139236 
									Tag connector to side	012/DC	139154 
									024/DC	139155 	
T 3/2 way valve, direct acting, universal functions	0.8	sub-base	0.015	0.017	16	Vac 0-6	FKM	PPS	Tag connector to side	012/DC	139158 
										024/DC	139159 
									Rectangular plug	024/DC	139237 
									Tag connector to side	012/DC	139162 
									024/DC	139163 	
							EPDM				

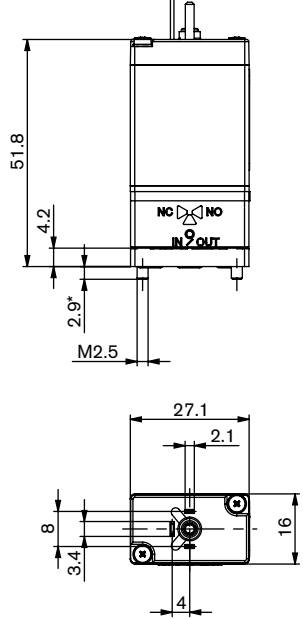
 Other versions on request

Dimensions [mm]

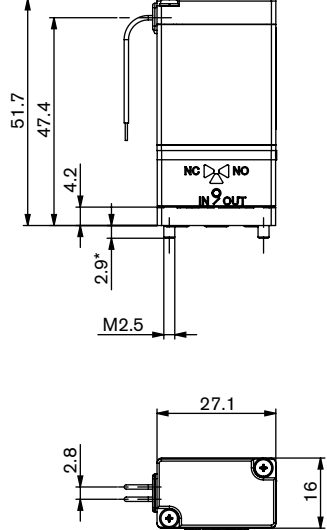
Manifold mount version with rectangular plug



Manifold mount version for cable plug



Manifold mount version with flying leads



Classification of fluid connections

2/2-way-valve, normally closed (circuit function A)
inflow at "NC"-connector

2/2-way-valve, normally closed (circuit function B)
inflow at "NO"-connector

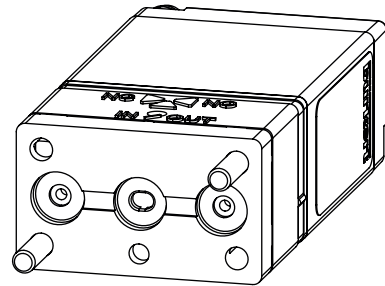
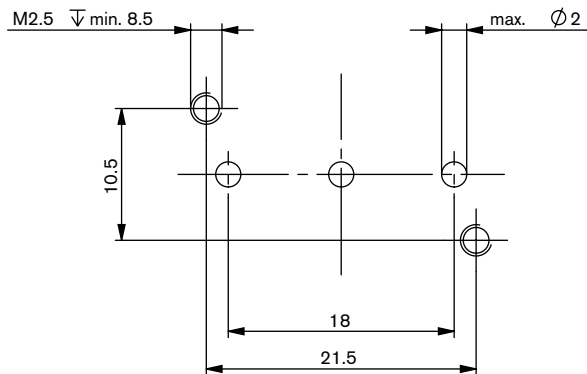
3/2-way-valve, normally open (circuit function T)
inflow at "NO"-connector

Flange interfaces at page 4.

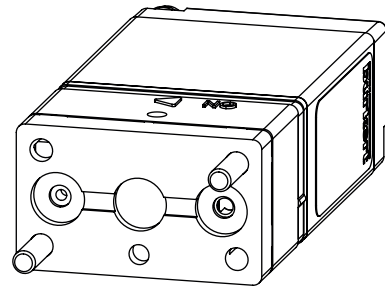
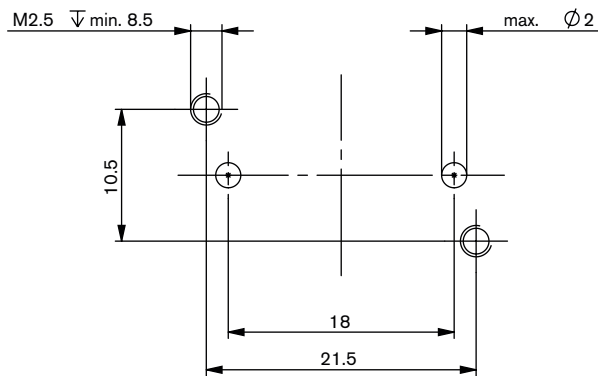
* Other screw length on request.
Self-tapping screws on request.
When selecting a connection plate the screw head overlap has to be considered.

Overview flange interfaces 16 × 27 mm

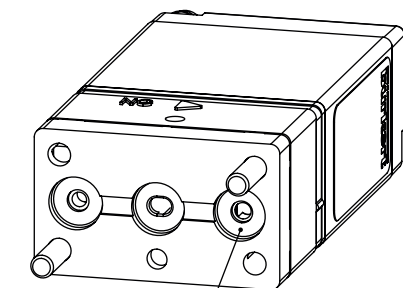
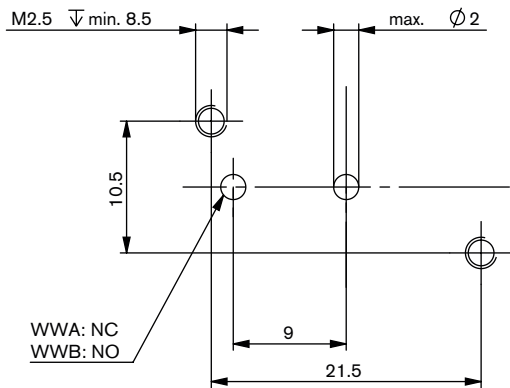
bürkert flange interface FB23 - 3-way (standard)



bürkert flange interface FB43 - 2-way (standard)



bürkert flange interface FB33 - 2-way (low dead volume). not in ordering chart - on request



hole not in use

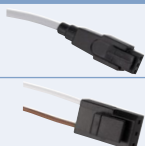


On request available with anti-twist device

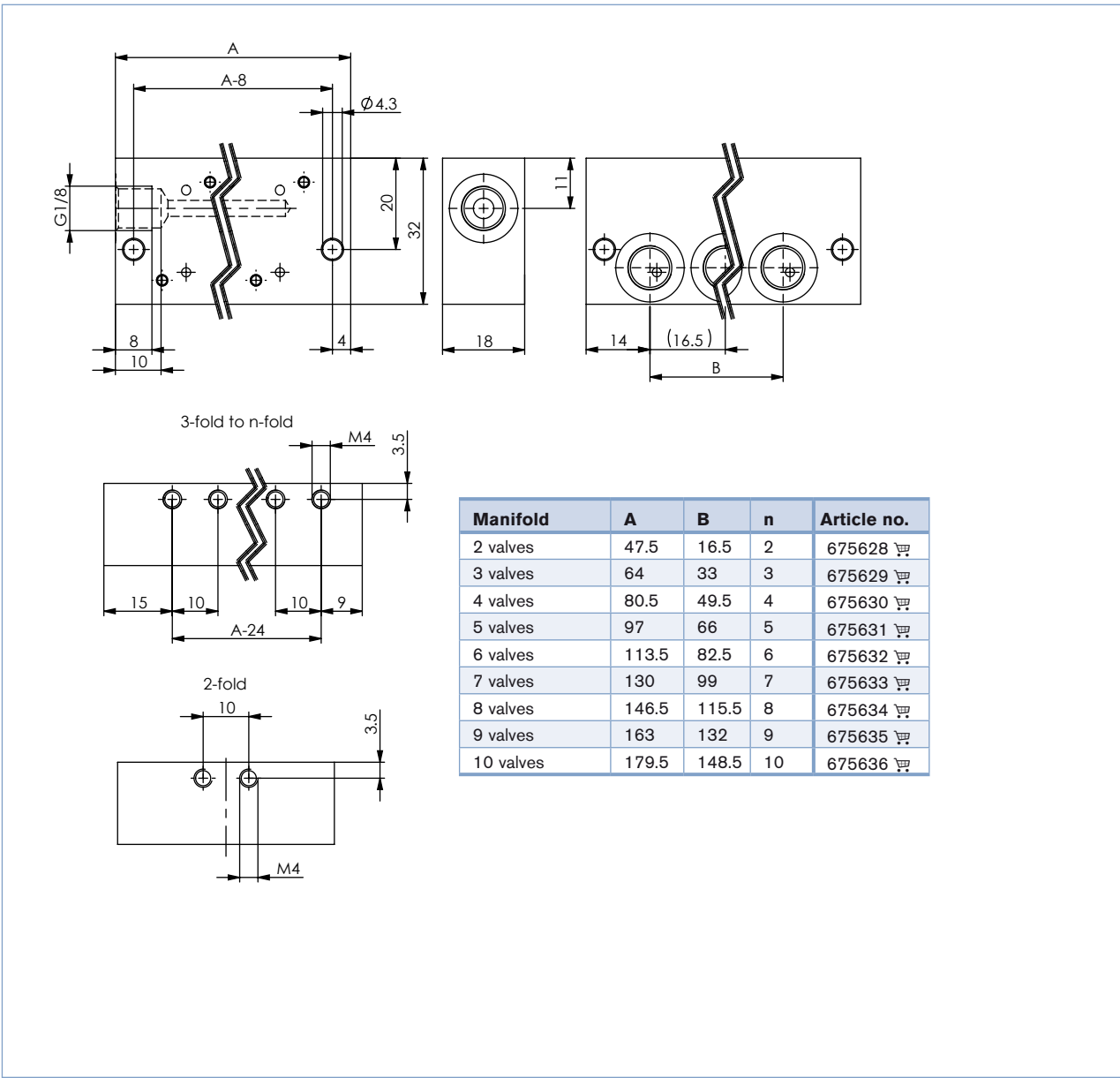
Ordering chart for Accessories

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

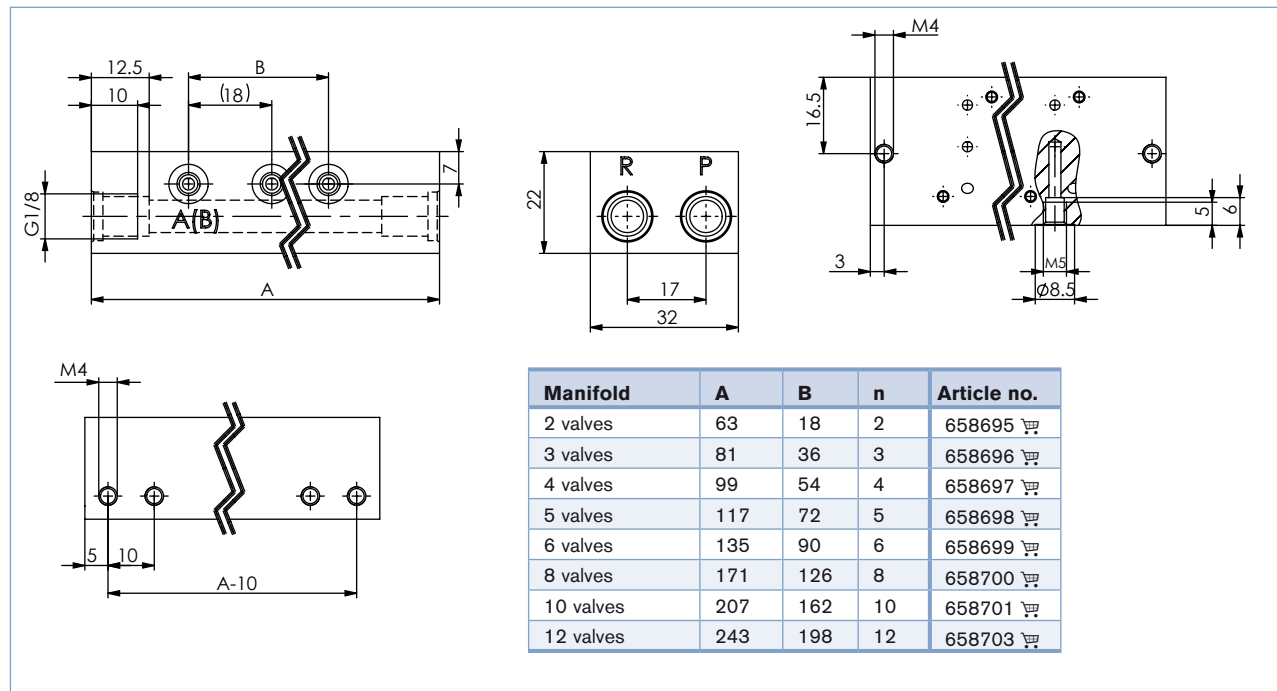
	Cable plug Type 2506	Voltage	Article no.
	without circuit	0 - 250 V/UC	008353 
	with LED	12 - 24 V DC	008402 
	with LED and varistor	12 - 24 V DC	008408 
	with rectifier, LED and varistor	12 - 24 V/UC	008354 

	Rectangular plug type 2505	Article no.
	with 3 m cable	252572 
	with 300 mm leads	262346 

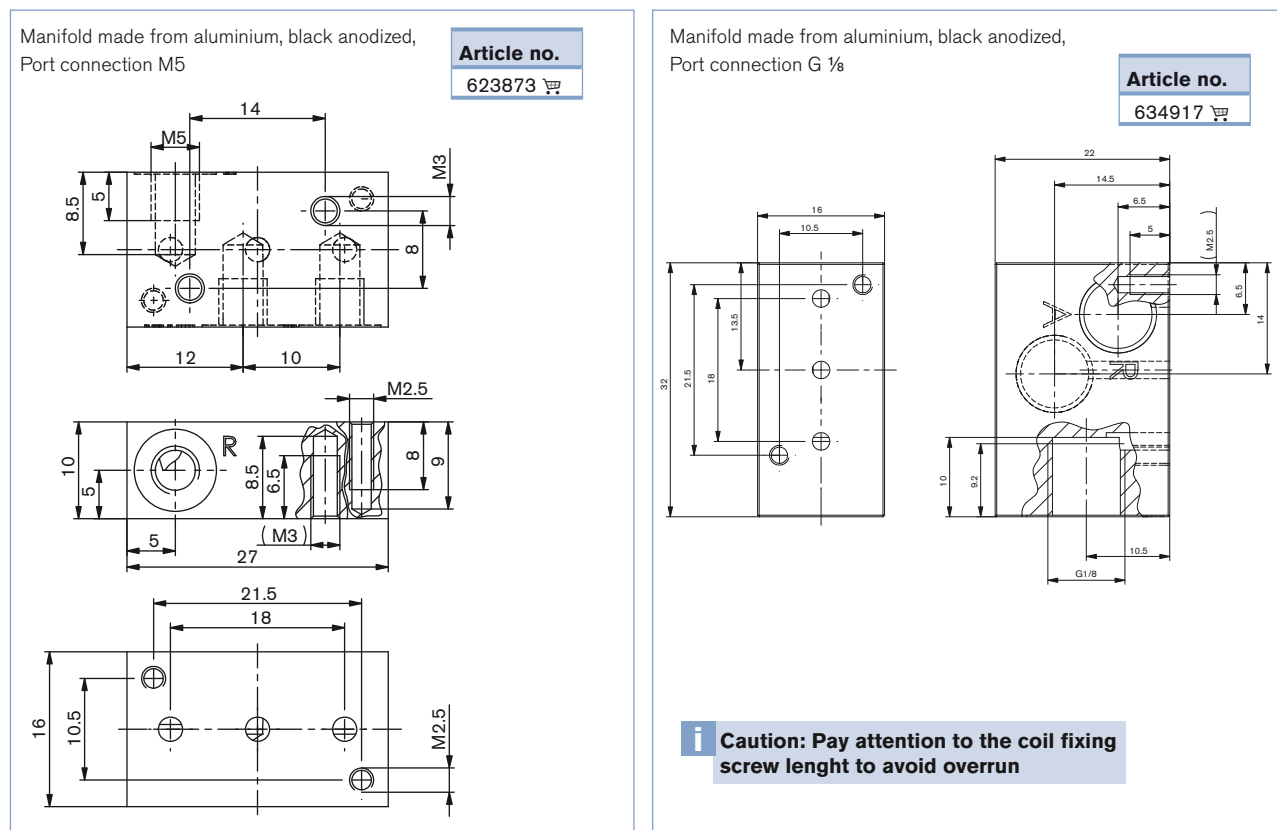
Manifolds in PPS for Bürkert flange interface 16 × 27 2-way [mm]



Manifolds in aluminium for Bürkert flange interface 16 × 27 3-way [mm]



Single manifolds in aluminium for Bürkert flange interface 16 × 27 [mm]



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

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