DATA SHEET

Type 7012

bürkert
FLUID CONTROL SYSTEMS









Plunger valve 3/2 way direct-acting

- Direct-acting, compact valve with diameter of up to DN 1.6
- Central screwed coil system
- Banjo threaded connection for direct mounting on pneumatic valves
- Simple and quick push-in, flange, or manifold installation

Product variants described in the data sheet may differ from the product presentation and description.

Type description

Valve 7012 is a direct-acting plunger valve. The stopper and plunger guide tube are welded together to enhance pressure resistance and leak-tightness. Various seal material combinations are available depending on the application. A Bürkert-specific flange design (SFB) enables space-saving arrangement of valves on a manifold. Push-in fittings can be selected for flexible hose connection. A banjo connection with banjo bolt is the ideal solution for easy direct mounting on a pneumatic drive. Optional manual actuation enables quick commissioning and optimal maintenance. In combination with a cable plug in accordance with industry standard Form B or DIN EN 17301-803 Form C, the valves satisfy protection class IP65.

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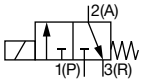
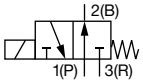
1. General technical data

Product properties	
Dimensions	Detailed information can be found in chapter "4. Dimensions" on page 6.
Material	
Body	Brass, polyamide (PA), stainless steel 1.4305
Seal	FKM, EPDM
Weight	
Standard version 24.5 mm solenoid coil	146 g (with G ⅛)
Standard version 20 mm solenoid coil	120 g (with G ⅛)
Banjo version	135 g
Circuit function	Detailed information can be found in chapter "2. Circuit functions" on page 4.
Thermal insulation class of solenoid	Epoxy: class H
Manual override	Optional, standard for Type 7012 banjo version
Electrical data	
Operating voltage	24 V DC, 24 V / 50 Hz, 110 / 230 V / 50 Hz
Voltage tolerance	±10 %
Performance data	
Nominal operating mode	
Single valve	Continuous operation 100 % ED resp. 50 % ED
For block mounting on multiple manifold	With 4 W/5 W solenoid coil 100 % ED (at max. 55 °C)
Switching times[1.)]	
Standard version	Orifice 1.2…1.6 mm: opening 8…12 ms, closing 8…12 ms
Banjo version	Orifice 1.2 mm: opening 7…12 ms, closing 7…12 ms
Circuit function	C and D
Medium data	
Viscosity (max.)	21 mm^2/s
Operating medium	Neutral gases and fluids (e.g. compressed air, water, hydraulic oil, technical vacuum)
Medium temperature	
Standard version	-10 °C…+100 °C
Banjo version	-10 °C…+60 °C
Process/Port connection & communication	
Port connection	
Standard version	M5, G ⅛, Flange
Banjo version	G ⅛, G ¼ and hose connector Ø 6 mm
Electrical connection	• Acc. to DIN EN 175301-803 Form C for cable plug Type 2516 • Acc. to industry standard Form B for cable plug Type 2507 • Flat pin terminal as protection class III device • Flying leads connection on request for coil size 20 mm
Approvals and Certificates	
Degree of protection	IP65 with cable plug
Environment and installation	
Installation position	As required, preferably with actuator upright
Ambient temperature	
Standard version	Max. +55 °C resp. 75 °C depending on power level
Banjo version	-10 °C…+40 °C

1.) Measured at valve outlet at 6 bar and +20 °C according to ISO 12238, opening: pressure rise 0…10 %, closing: pressure drop 100…90 %

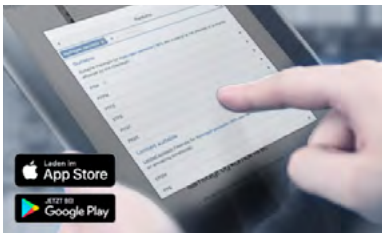
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2. Circuit functions

Circuit functions	Description
	**Type: C, solenoid valve** 3/2 way Direct-acting Normally closed
	**Type: D, solenoid valve** 3/2 way Direct-acting Normally open

3. Materials

3.1. Chemical Resistance Chart – Bürkert resistApp



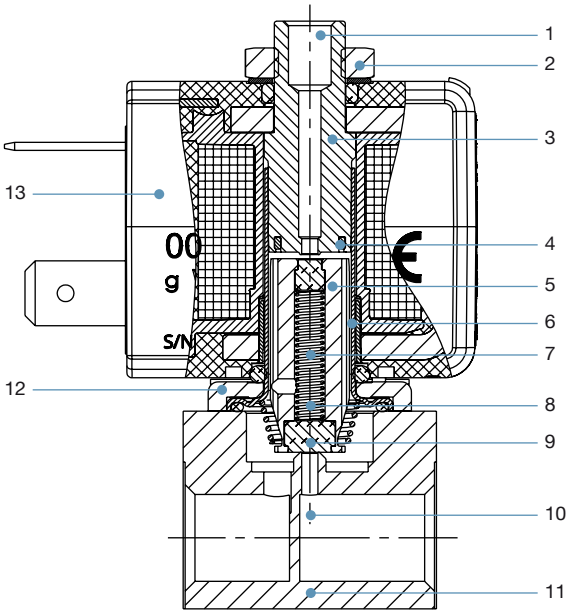
Bürkert resistApp – Chemical Resistance Chart

You want to ensure the reliability and durability of the materials in your individual application case? Verify your combination of media and materials on our website or in our resistApp.

Start Chemical Resistance Check

3.2. Material specifications

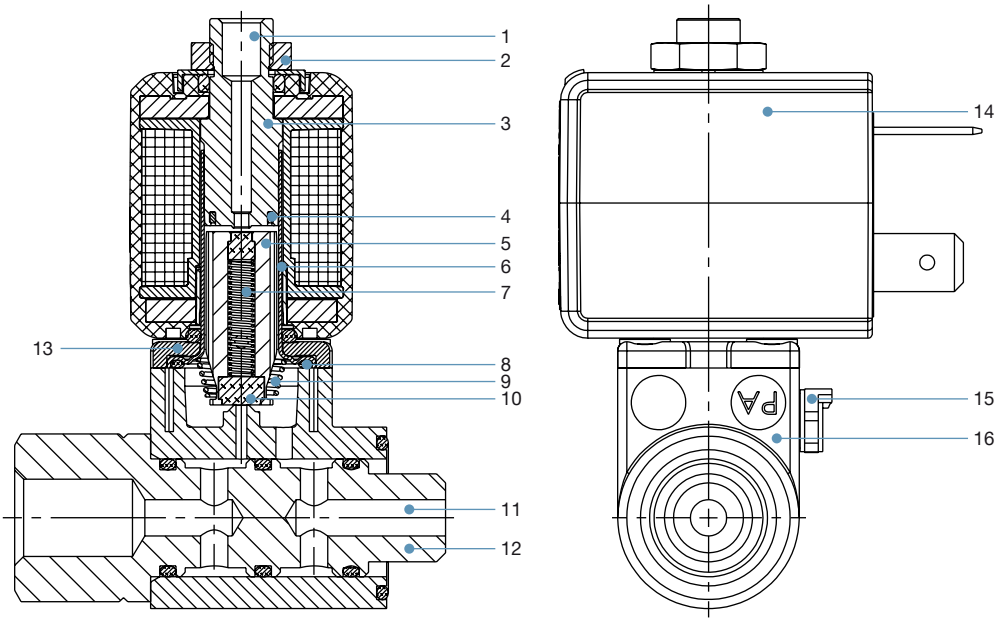
Standard version



No.	Element	Material
1	Pressure port P	For circuit function D
2	Locknut	DIN 176 Surface finish thick film passivated KOSA0101
3	Stopper	Stainless steel 1.4113
4	Shading ring	Copper (silver optional)
5	Core	Stainless steel 1.4113
6	Guide tube	Stainless steel 1.4303
7	Spring	Stainless steel 1.4310
8	O-ring	FKM/EPDM
9	Seal	FKM/EPDM
10	Pressure port P	For circuit function C
11	Valve body	Brass, stainless steel 1.4305 PA (polyamide)
12	Flange	• Surface finish thick film passivated KOSA0101 (brass version) • Nickel-plated surface (stainless steel version)
13	Coil	Epoxy

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Banjo version



No.	Element	Material
1	Pressure port P	For circuit function D
2	Locknut	DIN 176 Surface finish thick film passivated KOSA0101
3	Stopper	Stainless steel 1.4113
4	Shading ring	Copper (silver optional)
5	Core	Stainless steel 1.4113
6	Guide tube	Stainless steel 1.4303 ST
7	Spring	Stainless steel 1.4310
8	O-ring	FKM
9	Spring	Stainless steel 1.4310
10	Seal	FKM
11	Pressure port P	For circuit function C
12	Banjo bolt	Nickel-plated brass
13	Flange	• Surface finish thick film passivated KOSA0101 (brass version) • Nickel-plated surface (stainless steel version)
14	Coil	Epoxy
15	Manual override	Durethan
16	Body	PA (polyamide)

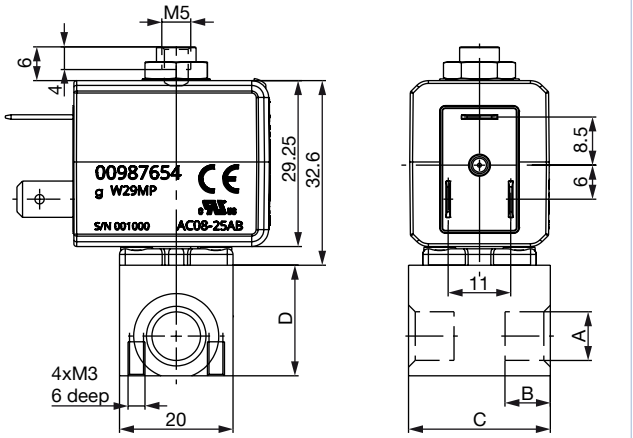
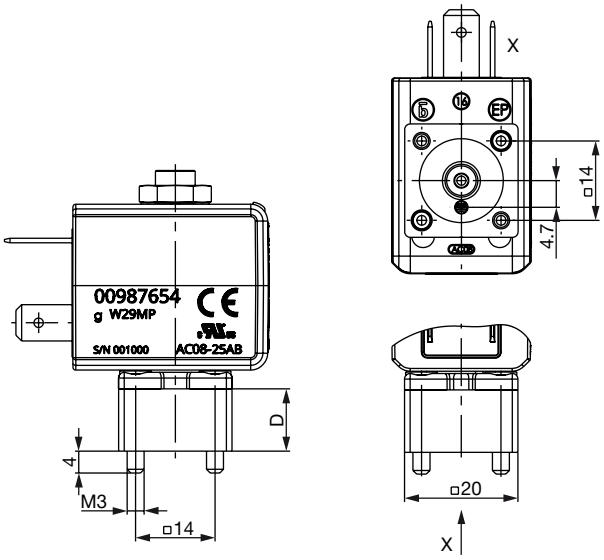
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4. Dimensions

4.1. Standard version

Versions according to industry standard Form B

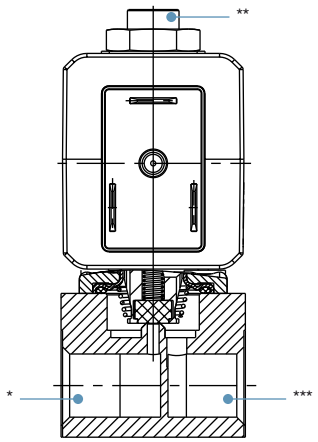
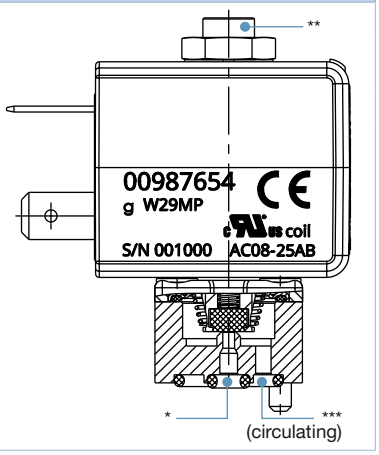
Note:
Dimensions in mm

Threaded version	Flange version
	

Port connection	A	B	C	D
Thread	M5	5	20	14
Thread	G ⅛	8	25	19.5
Flange	–	–	20	11

PIN Assignments

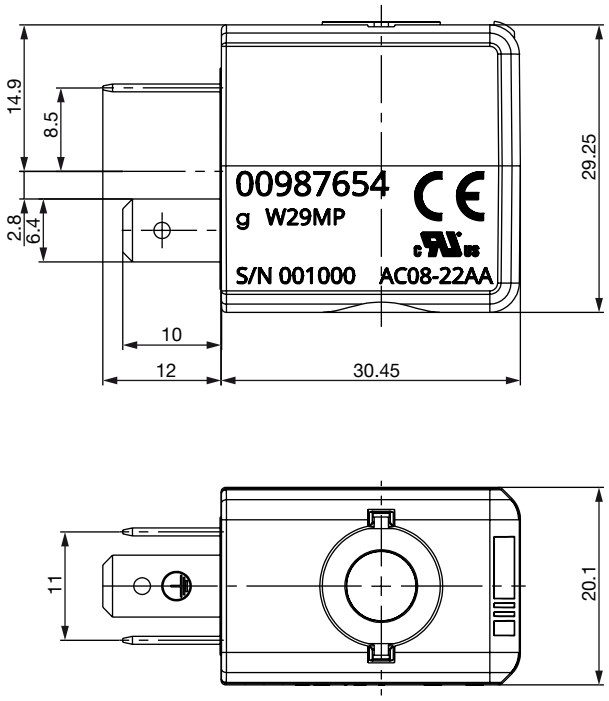
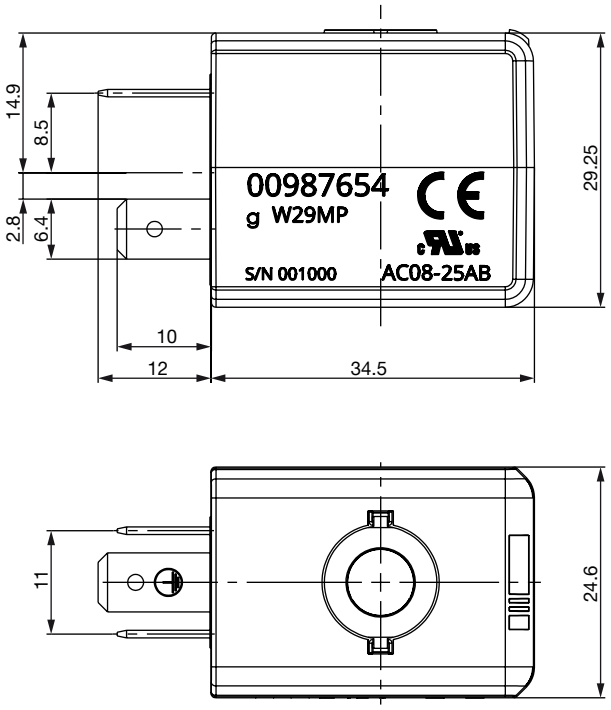
For the positions marked with *, ** or *** in the drawing, the connections are marked with the letters shown in the table above, depending on the circuit function. Unused connections in circuit functions A or B will be closed off with a blanking plug or cap nut.

Circuit function	Connection Type			Threaded version	Flange version
	*	**	***		
A	P	blank off	A		
B	blank off	B	P		
C	P	R	A		
D	R	P	B		
T	P	R	A		

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Versions according to industry standard Form B

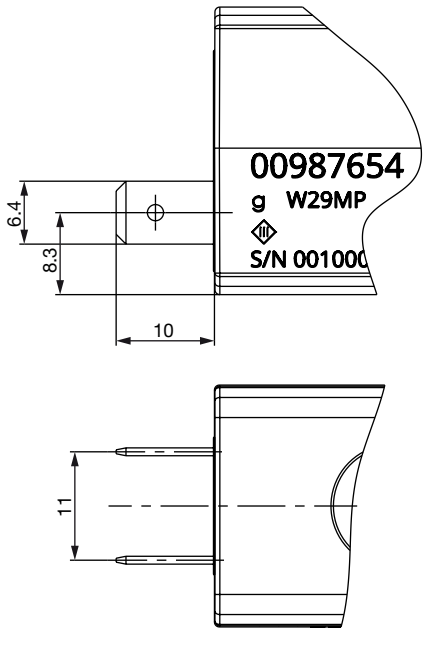
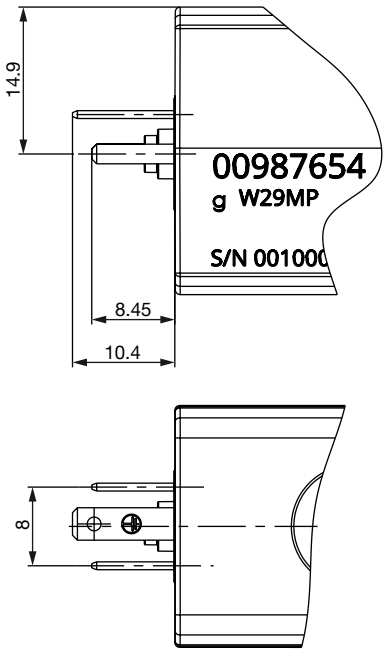
Note:
Dimensions in mm

Coil size 2 (20 mm)	Coil size 3 (24.5 mm)
	

Further electrical connections

Note:

- Specifications apply to coil sizes 20 mm and 24.5 mm
- Dimensions in mm

Version flat pin terminal as protection class III device	Version according to DIN EN 175301 - 803 Form C
	

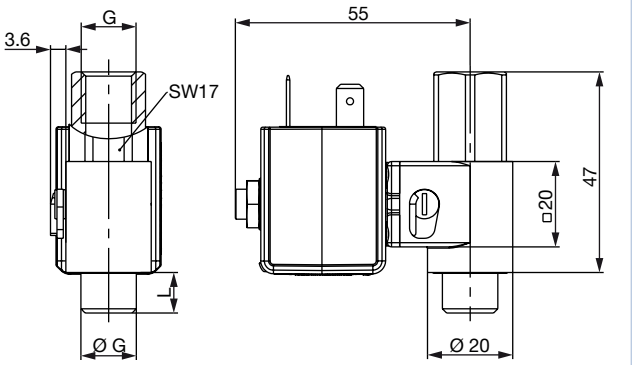
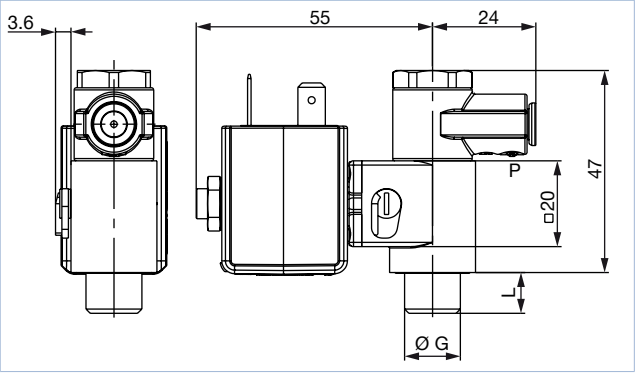
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4.2. Banjo version

Versions according to industry standard Form B, coil size 24.5 mm

Note:

- Dimensions in mm
- Plug connection for compressed air: Pressure port P can be continuously rotated through 360°.
- Available orifices: 1.2 mm

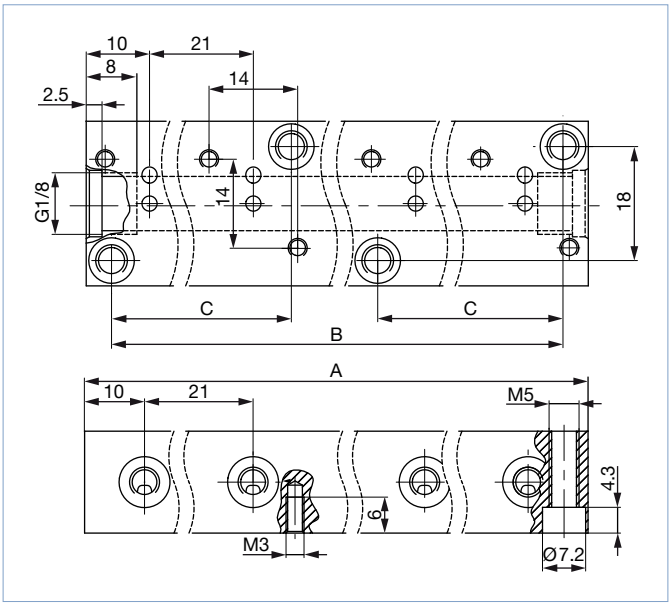
Threaded version for compressed air	Plug connection for compressed air
	

G	L
G ⅛	6.5
G ¼	9.5

4.3. Multiple manifold

Note:

- Dimensions in mm
- Can only be combined with versions circuit function C (normally closed) and valves with coil size 20 mm
- Manifolds with valves of coil size 24.5 mm on request



Quantity of valve places	A [mm]	B [mm]	C [mm]	Article no.
1	20	12	–	005312
2	41	33	–	005355
3	62	54	–	005313
4	83	75	–	005314
5	104	96	–	005315
6	125	117	–	005316
7	146	138	–	005893
8	167	159	54	005166
9	188	180	54	005241
10	209	201	75	005819
11	230	222	75	005242
12	251	243	96	005222

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5. Performance specifications

5.1. Power consumption of standard coil version 24.5 mm

Coil	Orifice	Electrical power					Switching times[1.]	
		Inrush AC	Hold AC		DC		Opening	Closing
	[mm]	[VA]	[VA]	[W]	Cold [W]	Hot [W]	[ms]	[ms]
24 V / DC / 7 W	1.2	–	–	–	7	5.5	8…12	8…12
	1.6							
24 V / DC / 5.5 W	1.2	–	–	–	5.5	4.5		
	1.6							
24 V / 50 Hz / 4 W	1.2	12	6.5	4	–	–		
	1.6							
230 V / 50 Hz / 4 W	1.2	12	6.5	4	–	–		
	1.6							

1.) Measured at valve outlet at 6 bar[2.] and +20 °C according to ISO 12238, opening: pressure rise 0…10 %, closing: pressure drop 100…90 %

2.) Measured as overpressure to the atmospheric pressure and air as a medium

5.2. Power consumption of standard coil version 20 mm

Coil	Orifice	Electrical power					Switching times[1.]	
		Inrush AC	Hold AC		DC		Opening	Closing
	[mm]	[VA]	[VA]	[W]	Cold [W]	Hot [W]	[ms]	[ms]
24 V / DC / 6.5 W	1.2	–	–	–	6.5	5	8…12	8…12
	1.6							
24 V / 50 Hz / 6 W	1.2	11	7	6	–	–		
	1.6							
230 V / 50 Hz / 6 W	1.2	11	7	6	–	–		
	1.6							
24 V / DC / 5 W	1.2	–	–	–	5	4		
	1.6							
24 V / 50 Hz / 4 W	1.2	9	5	4	–	–		
	1.6							
230 V / 50 Hz / 4 W	1.2	9	5	4	–	–		
	1.6							

1.) Measured at valve outlet at 6 bar[2.] and +20 °C according to ISO 12238, opening: pressure rise 0…10 %, closing: pressure drop 100…90 %

2.) Measured as overpressure to the atmospheric pressure and air as a medium

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6. Ordering information

6.1. Bürkert eShop – Easy ordering and quick delivery



Bürkert eShop – Easy ordering and fast delivery

You want to find your desired Bürkert product or spare part quickly and order directly? Our online shop is available for you 24/7. Sign up and enjoy all the benefits.

Order online now

6.2. Bürkert product filter



Bürkert product filter – Get quickly to the right product

You want to select products comfortably based on your technical requirements? Use the Bürkert product filter and find suitable articles for your application quickly and easily.

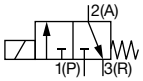
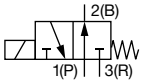
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6.3. Ordering chart

Standard version according to industry standard Form B, coil size 24.5 mm

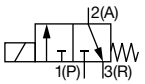
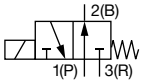
Note:
All valves without cable plug

Circuit function	Port connection	Orifice	K_V value H_2O [1]	Voltage/ Frequency/ Power	Maximum duty cycle	Medium pressure [bar] [2] [3]		Article no. Body material Brass	Article no. Body material stainless steel
						Ambient temperature 75 °C	Ambient temperature 55 °C		
		[mm]	[m³/h]	[V/Hz/W]		Air	Air	FKM seal	
C, solenoid valve 3/2 way Direct-acting Normally closed 	M5	1.2	0.045	24 V / DC / 7 W	100 % ED	–	0…13	380922	381000
				24 V / DC / 5.5 W		0…11.5	0…11.5	390256	390258
				24 V / 50 Hz / 4 W		0…13	0…13	380924	381002
				230 V / 50 Hz / 4 W		0…13	0…13	380927	381004
		1.6	0.06	24 V / DC / 7 W	100 % ED	–	0…7.5	380932	381021
				24 V / DC / 5.5 W		0…6	0…6	390265	390267
				24 V / 50 Hz / 4 W		0…7.5	0…7.5	380931	381023
				230 V / 50 Hz / 4 W		0…7.5	0…7.5	380928	381023
	G ⅛	1.2	0.045	24 V / DC / 7 W	100 % ED	–	0…13	379906	380132
				24 V / DC / 5.5 W		0…11.5	0…11.5	390269	390271
				24 V / 50 Hz / 4 W		0…13	0…13	379928	380139
				230 V / 50 Hz / 4 W		0…13	0…13	379928	380217
		1.6	0.06	24 V / DC / 7 W	100 % ED	–	0…7.5	379915	380137
				24 V / DC / 5.5 W		0…6	0…6	390275	390273
				24 V / 50 Hz / 4 W		0…7.5	0…7.5	379930	380141
				230 V / 50 Hz / 4 W		0…7.5	0…7.5	380118	380218
	FK01	1.2	0.045	24 V / DC / 7 W	100 % ED	–	0…13	380943	390301
				24 V / DC / 5.5 W		0…11.5	0…11.5	390348	390351
				24 V / 50 Hz / 4 W		0…13	0…13	380942	381029
				230 V / 50 Hz / 4 W		0…13	0…13	380940	390353
		1.6	0.06	24 V / DC / 7 W	100 % ED	–	0…7.5	380934	390355
				24 V / DC / 5.5 W		0…6	0…6	390358	390360
				24 V / 50 Hz / 4 W		0…7.5	0…7.5	380936	390362
				230 V / 50 Hz / 4 W		0…7.5	0…7.5	380938	389484
D, solenoid valve 3/2 way Direct-acting Normally open 	M5	1.2	0.045	24 V / DC / 5.5 W	100 % ED	0…10	0…10	390363	390365
				24 V / 50 Hz / 4 W		0…10	0…10	390367	390382
				230 V / 50 Hz / 4 W		0…10	0…10	390385	390384
		1.6	0.06	24 V / DC / 5.5 W	100 % ED	0…6	0…6	390390	390392
				24 V / 50 Hz / 4 W		0…6	0…6	390396	390398
				230 V / 50 Hz / 4 W		0…6	0…6	390400	390401
	G ⅛	1.2	0.045	24 V / DC / 5.5 W	100 % ED	0…10	0…10	385475	390402
				24 V / 50 Hz / 4 W		0…10	0…10	390406	390409
				230 V / 50 Hz / 4 W		0…10	0…10	390438	390439
		1.6	0.06	24 V / DC / 5.5 W	100 % ED	0…6	0…6	390440	390442
				24 V / 50 Hz / 4 W		0…6	0…6	390444	390446
				230 V / 50 Hz / 4 W		0…6	0…6	390448	390449
	FK01	1.2	0.045	24 V / DC / 5.5 W	100 % ED	0…10	0…10	390450	390452
				24 V / 50 Hz / 4 W		0…10	0…10	390452	390456
				230 V / 50 Hz / 4 W		0…10	0…10	390459	390460
		1.6	0.06	24 V / DC / 5.5 W	100 % ED	0…6	0…6	390462	390464
				24 V / 50 Hz / 4 W		0…6	0…6	390468	390466
				230 V / 50 Hz / 4 W		0…6	0…6	390470	390471

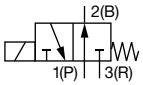
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Standard version according to industry standard Form B, coil size 20 mm

Note:
All valves without cable plug

Circuit function	Port connection	Orifice	K_v value H_2O [1]	Voltage/ Frequency/ Power	Maximum duty cycle	Medium pressure [bar] [2] [3]		Article no. Body material Brass	Article no. Body material stainless steel
						Ambient temperature 75 °C	Ambient temperature 55 °C		
		[mm]	[m³/h]	[V/Hz/W]		Air	Air	FKM seal	
C, solenoid valve 3/2 way Direct-acting Normally closed 	M5	1.2	0.045	24 V / DC / 6.5 W	100 % ED	–	0…11	X	X
				24 V / 50 Hz / 6 W		–	0…13	X	X
				230 V / 50 Hz / 6 W		–	0…13	X	X
				24 V / DC / 5 W		0…10	0…10	X	X
				24 V / 50 Hz / 4 W		0…11	0…11	X	X
				230 V / 50 Hz / 4 W		0…11	0…11	X	X
		1.6	0.06	24 V / DC / 6.5 W	100 % ED	–	0…6	X	X
				24 V / 50 Hz / 6 W		–	0…7.5	X	X
				230 V / 50 Hz / 6 W		–	0…7.5	X	X
				24 V / DC / 5 W		0…5.5	0…5.5	X	X
				24 V / 50 Hz / 4 W		0…6	0…6	X	X
				230 V / 50 Hz / 4 W		0…6	0…6	X	X
	G ⅛	1.2	0.045	24 V / DC / 6.5 W	100 % ED	–	0…11	X	X
				24 V / 50 Hz / 6 W		–	0…13	X	X
				230 V / 50 Hz / 6 W		–	0…13	X	X
				24 V / DC / 5 W		0…10	0…10	X	X
				24 V / 50 Hz / 4 W		0…11	0…11	X	X
				230 V / 50 Hz / 4 W		0…11	0…11	X	X
		1.6	0.06	24 V / DC / 6.5 W	100 % ED	–	0…6	X	X
				24 V / 50 Hz / 6 W		–	0…7.5	X	X
				230 V / 50 Hz / 6 W		–	0…7.5	X	X
				24 V / DC / 5 W		0…5.5	0…5.5	X	X
				24 V / 50 Hz / 4 W		0…6	0…6	X	X
				230 V / 50 Hz / 4 W		0…6	0…6	X	X
	FK01	1.2	0.045	24 V / DC / 6.5 W	100 % ED	–	0…11	X	X
				24 V / 50 Hz / 6 W		–	0…13	X	X
				230 V / 50 Hz / 6 W		–	0…13	X	X
				24 V / DC / 5 W		0…10	0…10	X	X
				24 V / 50 Hz / 4 W		0…11	0…11	X	X
				230 V / 50 Hz / 4 W		0…11	0…11	X	X
		1.6	0.06	24 V / DC / 6.5 W	100 % ED	–	0…6	X	X
				24 V / 50 Hz / 6 W		–	0…7.5	X	X
				230 V / 50 Hz / 6 W		–	0…7.5	X	X
				24 V / DC / 5 W		0…5.5	0…5.5	X	X
				24 V / 50 Hz / 4 W		0…6	0…6	X	X
				230 V / 50 Hz / 4 W		0…6	0…6	X	X
D, solenoid valve 3/2 way Direct-acting Normally open 	M5	1.2	0.045	24 V / DC / 5 W	100 % ED	0…10	0…10	X	X
				24 V / 50 Hz / 4 W		0…10	0…10	X	X
				230 V / 50 Hz / 4 W		0…10	0…10	X	X
		1.6	0.06	24 V / DC / 5 W	100 % ED	0…6	0…6	X	X
				24 V / 50 Hz / 4 W		0…6	0…6	X	X
				230 V / 50 Hz / 4 W		0…6	0…6	X	X
	G ⅛	1.2	0.045	24 V / DC / 5 W	100 % ED	0…10	0…10	X	X
				24 V / 50 Hz / 4 W		0…10	0…10	X	X
				230 V / 50 Hz / 4 W		0…10	0…10	X	X
		1.6	0.06	24 V / DC / 5 W	100 % ED	0…6	0…6	X	X
				24 V / 50 Hz / 4 W		0…6	0…6	X	X
				230 V / 50 Hz / 4 W		0…6	0…6	X	X

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Circuit function	Port connection	Orifice	K_V value H_2O [1.]	Voltage/ Frequency/ Power	Maximum duty cycle	Medium pressure [bar] [2.] [3.]		Article no. Body material Brass	Article no. Body material stainless steel
						Ambient temperature 75 °C	Ambient temperature 55 °C		
		[mm]	[m³/h]	[V/Hz/W]		Air	Air	FKM seal	
D, solenoid valve 3/2 way Direct-acting Normally open  	FK01	1.2	0.045	24 V / DC / 5 W	100 % ED	0…10	0…10	X	X
				24 V / 50 Hz / 4 W		0…10	0…10	X	X
				230 V / 50 Hz / 4 W		0…10	0…10	X	X
		1.6	0.06	24 V / DC / 5 W	100 % ED	0…6	0…6	X	X
				24 V / 50 Hz / 4 W		0…6	0…6	X	X
				230 V / 50 Hz / 4 W		0…6	0…6	X	X

X: on request

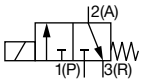
1.) Flow value for water, measured at +20 °C, 1 bar[2.] pressure at valve inlet and free outlet

2.) Measured as overpressure to the atmospheric pressure and air as a medium

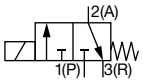
3.) Number of switching cycles under laboratory conditions (FKM seal, oiled air, unpressurised): 5 million. Please note that an increase in switching pressure can limit the life of the seat seal.

Banjo version, coil size 24.5 mm

Note:
All valves without cable plug

Circuit function	Port connection	Orifice	Q_{Nn} value air	Voltage/ Frequency/ Power	Maximum duty cycle	Medium pressure [bar] [1.] [2.]		Article no.
						Ambient temperature 75 °C	Ambient temperature 55 °C	
		[mm]	[l/min]	[V/Hz/W]		Air	Air	FKM seal
C, solenoid valve 3/2 way Direct-acting Normally closed  	BJ01 P: G ⅛ A: G ⅛	1.2	48	24 V / DC / 7 W	100 % ED	–	0…13	390839
				24 V / DC / 5.5 W		0…11.5	0…11.5	390842
				24 V / 50 Hz / 4 W		0…13	0…13	390845
				230 V / 50 Hz / 4 W		0…13	0…13	390847
	BJ02 P: G ¼ A: G ¼	1.2	48	24 V / DC / 7 W	100 % ED	–	0…13	390848
				24 V / DC / 5.5 W		0…11.5	0…11.5	390850
				24 V / 50 Hz / 4 W		0…13	0…13	390852
				230 V / 50 Hz / 4 W		0…13	0…13	390854
	BJ03 P: NPT ¼ A: G ⅛	1.2	48	24 V / DC / 7 W	100 % ED	–	0…13	390855
				24 V / DC / 5.5 W		0…11.5	0…11.5	390858
				24 V / 50 Hz / 4 W		0…13	0…13	390860
				230 V / 50 Hz / 4 W		0…13	0…13	390862
	BJ05 P: G ¼ A: G ⅛	1.2	48	24 V / DC / 7 W	100 % ED	–	0…13	384300
				24 V / DC / 5.5 W		0…11.5	0…11.5	390831
				24 V / 50 Hz / 4 W		0…13	0…13	390832
				230 V / 50 Hz / 4 W		0…13	0…13	390835
	BJ07 P: NPT ⅛ A: G ⅛	1.2	48	24 V / DC / 7 W	100 % ED	–	0…13	390864
				24 V / DC / 5.5 W		0…11.5	0…11.5	390867
				24 V / 50 Hz / 4 W		0…13	0…13	390869
				230 V / 50 Hz / 4 W		0…13	0…13	390871
	BJ08 P: Hose connection 6 mm A: G ⅛	1.2	48	24 V / DC / 7 W	100 % ED	–	0…13	390875
				24 V / DC / 5.5 W		0…11.5	0…11.5	390880
				24 V / 50 Hz / 4 W		0…13	0…13	390884
				230 V / 50 Hz / 4 W		0…13	0…13	390887
	BJ09 P: Hose connection 6 mm A: G ¼	1.2	48	24 V / DC / 7 W	100 % ED	–	0…13	390894
				24 V / DC / 5.5 W		0…11.5	0…11.5	390905
				24 V / 50 Hz / 4 W		0…13	0…13	390909
				230 V / 50 Hz / 4 W		0…13	0…13	390911

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Circuit function	Port connection	Orifice	Q_{Nn} value air	Voltage/ Frequency/ Power	Maximum duty cycle	Medium pressure [bar] 1.) 2.)		Article no.
						Ambient temperature 75 °C	Ambient temperature 55 °C	
		[mm]	[l/min]	[V/Hz/W]		Air	Air	FKM seal
C, solenoid valve 3/2 way Direct-acting Normally closed 	BJ10 P: G ¼ A: NPT ¼	1.2	48	24 V / DC / 7 W	100 % ED	–	0…13	390916
				24 V / DC / 5.5 W		0…11.5	0…11.5	390918
				24 V / 50 Hz / 4 W		0…13	0…13	390922
				230 V / 50 Hz / 4 W		0…13	0…13	390924

1.) Measured as overpressure to the atmospheric pressure and air as a medium

2.) Number of switching cycles under laboratory conditions (FKM seal, oiled air, unpressurised): 5 million. Please note that an increase in switching pressure can limit the life of the seat seal.

Additional options

Option	Variable Code	Description
Oxygen versions	NL02	Suitable for applications with oxygen (non-metal materials that are in contact with the medium are tested and approved according to BAM)
Increased purity requirements e.g. oil, grease and silicone-free	NL50/NL05	Wetted parts are specially cleaned and packaged in accordance with the valves
Increased tightness requirements	PC04	Leakage rate *less than 10^{-7} mbar l/sec
	PC06	Leakage rate *less than 10^{-6} mbar l/sec
	PC08	Leakage rate *less or equal than 10^{-5} mbar l/sec
Vacuum version	NA02	Suitable for vacuums up to -0.98 bar
Increased purity and tightness requirements	NA03	Wetted parts are specially cleaned and leak tested to 10^{-4} mbar x l/sec
Increased purity and tightness requirements and vacuum version	NA01	Wetted parts are specially cleaned and leak tested up to 10^{-4} mbar x l/sec and suited for vacuum up to -0.98 bar

6.4. Ordering chart accessories

Accessories for manifolds

Accessory	Features	Article no.
Screw plug	With sealing ring, G ⅛	005041
Cover plate	For unoccupied valve position	005100

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Cable plug Type 2516 acc. to DIN EN 175301 - 803 Form C

Note:

- Delivery of cable plug includes a flat seal and a fixing screw.
- Further versions of cable plug with circuitry acc. to DIN EN 175 301 - 803 Form C as well as detailed technical data, see data sheet **Type 2516 ▸.**

Cable plug	Version	Voltage	Article no.
	Without circuitry (standard)	0…250 V AC/DC	303141
	With LED	12…24 V AC/DC	303145
	With LED and varistor	12…24 V AC/DC	303148
	With rectifier, LED and varistor	12…24 V AC/DC	303142

Cable plug Type 2507 acc. to industry standard Form B

Note:

- Delivery of cable plug includes a flat seal and a fixing screw.
- Further versions of cable plug with circuitry acc. to industry standard connector Form B as well as detailed technical data, see data sheet **Type 2507 ▸.**

Cable plug	Version	Voltage	Article no.
	Without circuitry (standard)	2…250 V AC/DC	423845
	With LED	24 V AC/DC	423849
	With LED and free-wheeling diode	12…24 V AC/DC	423851
	With rectifier, LED and varistor	12…24 V AC/DC	423853

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