Plunger valve 2/2-way direct-acting

- Direct-acting and compact valve up to diameter of DN 6.0
- Vibration-proof, bolted coil system
- Explosion proof versions
- Energy-saving version with Kick and Drop available

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

Can be combined with

Type 1087
Timer, form A according to DIN EN 175301-803

Type 2518
Cable plug, form A according to DIN EN 175301-803

Type 2509
Cable plug, form A according to DIN EN 175301-803

Type description

Valve 6013 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. Kick and Drop coils are available for the reduction of electrical power consumption during operation.

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Visit product website

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1. General technical data

Product properties	
Dimensions	Detailed information can be found in chapter "6. Dimensions" on page 9.
Material	
Seal	FKM, PTFE/Graphite (EPDM on request)
Body	Brass, stainless steel 1.4305 / 303
Coil	Polyamide (Epoxy on request)
Orifice	DN 2.0…DN 6.0
Circuit function	A and B. Detailed information can be found in chapter "3. Circuit functions" on page 5.
Thermal insulation class of solenoid	Polyamide class B Epoxy class H
Performance data	
Duty cycle/single valve with block assembly on manifold	100 % continuous rating Intermittent operation 60 % (30 min) or with 5 W coil (on request)
Electrical data	
Operating voltage	
Standard version	24 V DC, 24 V/50 Hz, 24 V/60 Hz, 120 V/50 Hz, 230 V/50 Hz, 240 V /60 Hz
Analytical version	24 V DC, 230 V/50 Hz (other voltages on request)
Voltage tolerance	±10 %
Medium data	
Operating medium	
Standard version	Technical vacuum, neutral gases and liquids (e.g. compressed air, water, hydraulic oil)
Analytical version	Neutral medium, which does not attack the body and seal materials (see "5.1. Chemical Resistance Chart – Bürkert resistApp" on page 6)
Medium temperature	
With FKM	-10 °C…+100 °C (PA coil), -10 °C…+120 °C (Epoxy coil), -40 °C on request
With PTFE/Graphite	-40 °C…+180 °C (see "5.1. Chemical Resistance Chart – Bürkert resistApp" on page 6)
With FKM, circuit function B	-10 °C…100 °C (AC),…10 °C…120 °C (DC)
Viscosity	Max. 21 mm^2/s
Process/Port connection & communication	
Electrical connection	Tag connector acc. to DIN EN 175301-803 form A for cable plug **Type 2518** ▸ and **Type 2509** ▸ (see "10.4. Ordering chart accessories" on page 22) ATEX/IECEx version with 3 m moulded cable or terminal cable
Port connection	
Standard version	G ⅛, G ¼, G ⅜, NPT ⅛, NPT ¼, NPT ⅜, manifold (SFB)
Analytical version	G ⅛, G ¼, NPT ⅛, NPT ¼
Approvals and certificates	
Degree of protection	IP65 with cable plug
Environment and installation	
Installation position	As required, preferably with actuator upright
Ambient temperature	Max. +55 °C (higher temperatures on request)

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2. Product versions

2.1. Analytical version

This version is particularly suitable for switching from extremely pure gaseous medium. All medium-affected parts are submitted to additional purification processes, so that the medium is not contaminated under any circumstances.

The tightness test takes place at the Helium leak detector from a min. of 10^{-4} mbar l/sec.

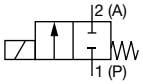
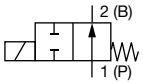
Product properties	
Material	
Seal	Silicon, oil and fat free version Tightness < 10^{-4} mbar l/s
Body	Brass, stainless steel 1.4305 / 303
Medium data	
Operating medium	Neutral medium, which does not attack the body and seal materials (see "5.1. Chemical Resistance Chart – Bürkert resistApp" on page 6)
Process/Port connection & communication	
Electrical connection	Tag connector acc. to DIN EN 175301-803 form A for cable plug **Type 2518** ▶ and **Type 2509** ▶ (see "10.4. Ordering chart accessories" on page 22)
Port connection	G ⅛, G ¼, NPT ⅛, NPT ¼
Environment and installation	
Installation instructions	No oils, fats or silicone to be used during installation

2.2. DVGW version

The Type 6013 DVGW solenoid valve is designed primarily as an automatic safety shut-off valve for flammable gases. A strainer is installed in the inlet of the valve.

Product properties	
Material	
Seal	NBR
Body	Brass, stainless steel 1.4305 / 303
Circuit function	A. Detailed information can be found in chapter "3. Circuit functions" on page 5.
Performance data	
Operating pressure (max.)	0…5 bar
Medium data	
Operating medium	Flammable gases such as town gas, district gas, liquid gas, hydrogen (see "5.1. Chemical Resistance Chart – Bürkert resistApp" on page 6)
Medium temperature	0 °C…+80 °C
Approvals and certificates	
Standards	DIN EN 161:2013; DIN EN 13611:2016
Environment and installation	
Ambient temperature (max.)	-20 °C…+55 °C

3. Circuit functions

Symbol	Description
	**Circuit function A (CF A)** 2/2-way solenoid valve Direct-acting Normally closed
	**Circuit function B (CF B)** 2/2-way solenoid valve Direct-acting Normally open

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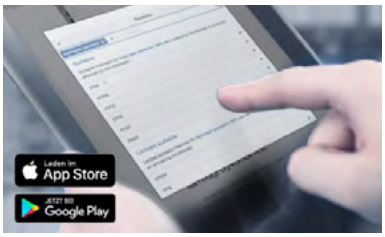
4. Approvals

Approvals	Description	
	ATEX and IECEx approval for coils with fixed cable outlet	
	ATEX: EPS 18 ATEX 1232 X II 2G Ex mb IIC T4 Gb II 2D Ex mb IIIC T130 °C Db	IECEx: IECEx EPS 18.0110X Ex mb IIC T4 Gb Ex mb IIIC T130 °C Db

5. Materials

5.1. Chemical Resistance Chart – Bürkert resistApp



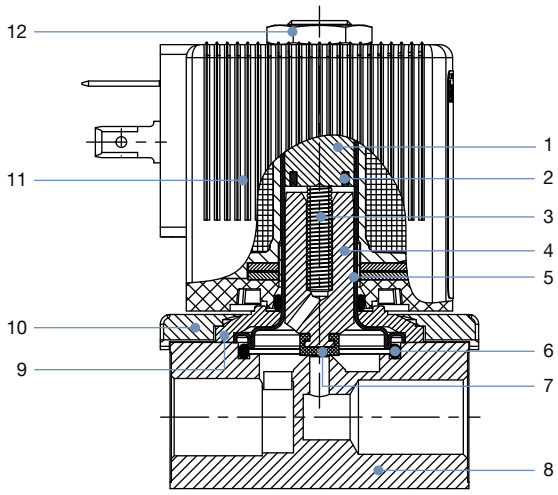
Bürkert resistApp – Chemical Resistance Chart

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

5.2. Material specifications

Standard version



No.	Element	Material
1	Stopper	Stainless steel 1.4105 / 430F
2	Shading ring	Cu (brass version) Ag (stainless steel version)
3	Spring	Stainless steel 1.4310 / 301
4	Magnetic core	Stainless steel 1.4105 / 430F
5	Armature guide tube	Stainless steel 1.4303 / 305 / 308
6	Seal	FKM Graphite (high temp. version)
7	Armature seal	FKM PTFE
8	Valve body	Brass Stainless steel 1.4305 / 303
9	Sub-base	Steel, surface finish thick-film passivated (brass version) Stainless steel 1.4301 / 304 (stainless steel version)
10	Cover	Polyamide
11	Coil	PA (polyamide) Epoxy
12	Locknut	Steel, surface finish thick-film passivated (brass version) Stainless steel 1.4305 / 303 PTFE coated (stainless steel version)

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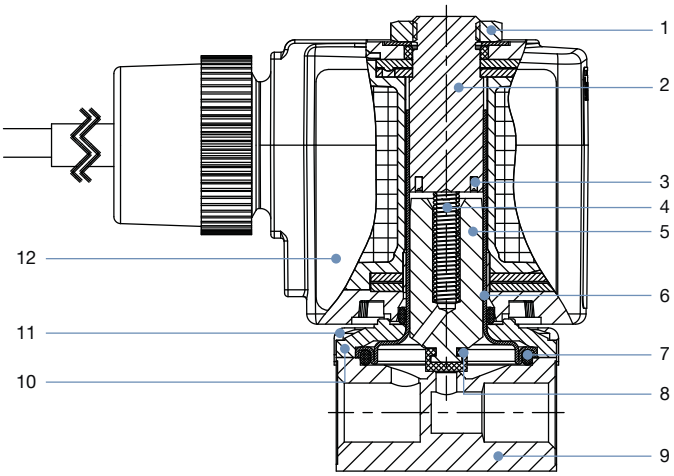
ATEX/IECEx cable version



No.	Element	Material
1	Locknut	Steel, surface finish thick-film passivated (brass version) Stainless steel 1.4305 / 303 PTFE coated (stainless steel version)
2	Stopper	Stainless steel 1.4105 / 430F
3	Shading ring	Cu (brass version) Ag (stainless steel version)
4	Spring	Stainless steel 1.4310 / 301
5	Magnetic core	Stainless steel 1.4105 / 430F
6	Armature guide tube	Stainless steel 1.4303 / 305 / 308
7	Seal	FKM Graphite (high temp. version)
8	Armature seal	FKM PTFE (high temp. version)
9	Valve body	Brass Stainless steel 1.4305 / 303
10	Sub-base	Steel, surface finish thick-film passivated (brass version) Stainless steel 1.4301 / 304 (stainless steel version)
11	Cover	Polyamide
12	Coil	Epoxy

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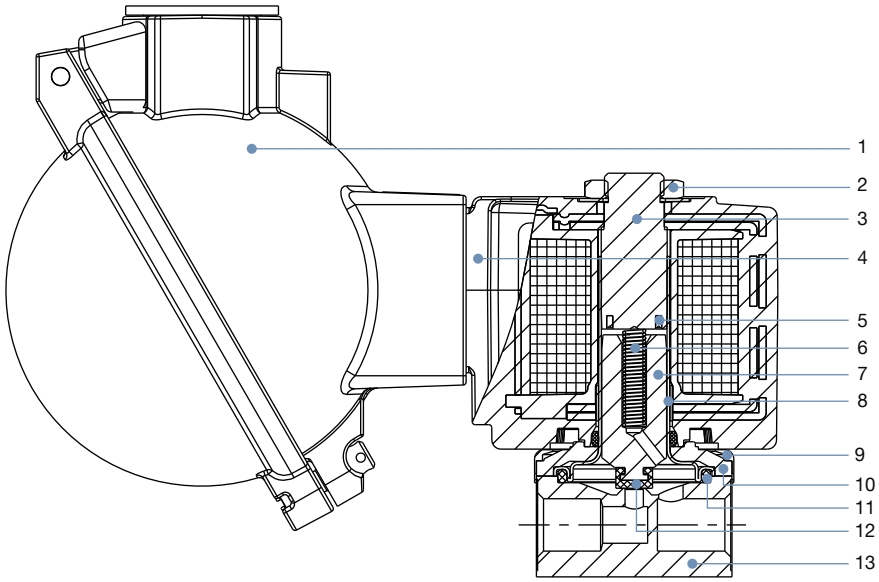
ATEX/IECEx terminal box version



No.	Element	Material
1	Terminal box	Aluminium
2	Locknut	Steel, surface finish thick-film passivated (brass version) Stainless steel 1.4305 / 303 PTFE coated (stainless steel version)
3	Stopper	Stainless steel 1.4105 / 430F
4	Coil	Epoxy
5	Shading ring	Cu (brass version) Ag (stainless steel version)
6	Spring	Stainless steel 1.4310 / 301
7	Magnetic core	Stainless steel 1.4105 / 430F
8	Armature guide tube	Stainless steel 1.4303 / 305 / 308
9	Cover	Polyamide
10	Sub-base	Steel, surface finish thick-film passivated (brass version) Stainless steel 1.4301 / 304 (stainless steel version)
11	Seal	FKM Graphite (high temp. version)
12	Armature seal	FKM PTFE (high temp. version)
13	Valve body	Brass Stainless steel 1.4305 / 303

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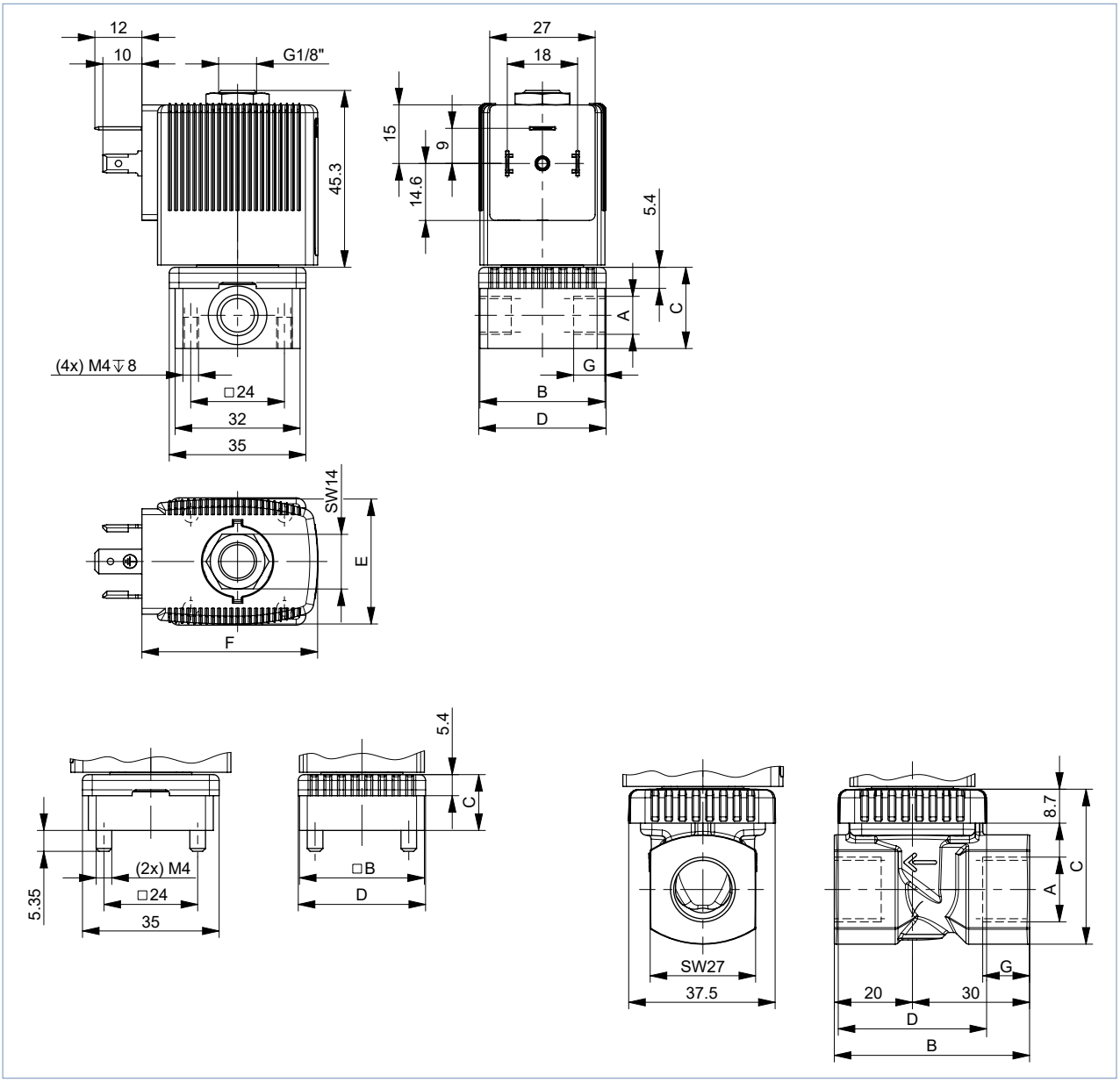
6. Dimensions

6.1. Standard version

Note:
Dimensions in mm

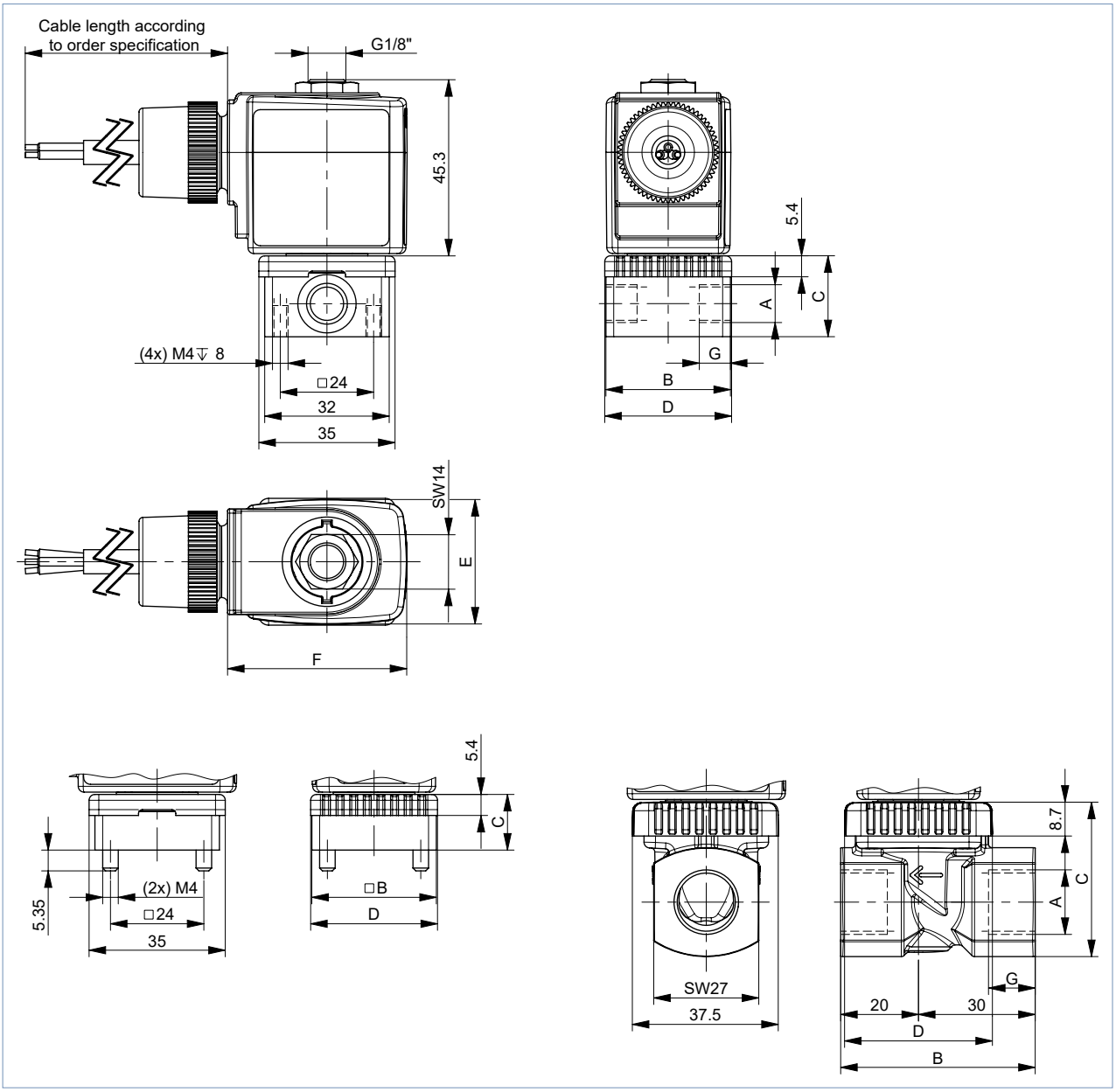


Port connection	A	B	C	D	G
	[inch]	[mm]	[mm]	[mm]	[mm]
Threaded version	G/NPT ⅛	32	20.8	32.6	8
	G/NPT ¼	46	26.8	49	12
	G/NPT ⅜	50	39.8	38	12
Flange connection	–	32	14.3	32.6	–

Coil size	E	F
	[mm]	[mm]
5	32	45
6	40	51

6.2. ATEX/IECEx cable version

Note:
Dimensions in mm



Port connection	A	B	C	D	G
	[inch]	[mm]	[mm]	[mm]	[mm]
Threaded version	G/NPT ⅛	32	20.8	32.6	8
	G/NPT ¼	46	26.8	49	12
	G/NPT ⅜	50	39.8	38	12
Flange connection	–	32	14.3	32.6	–

Coil size	E	F
	[mm]	[mm]
5	32	46
6	40	52

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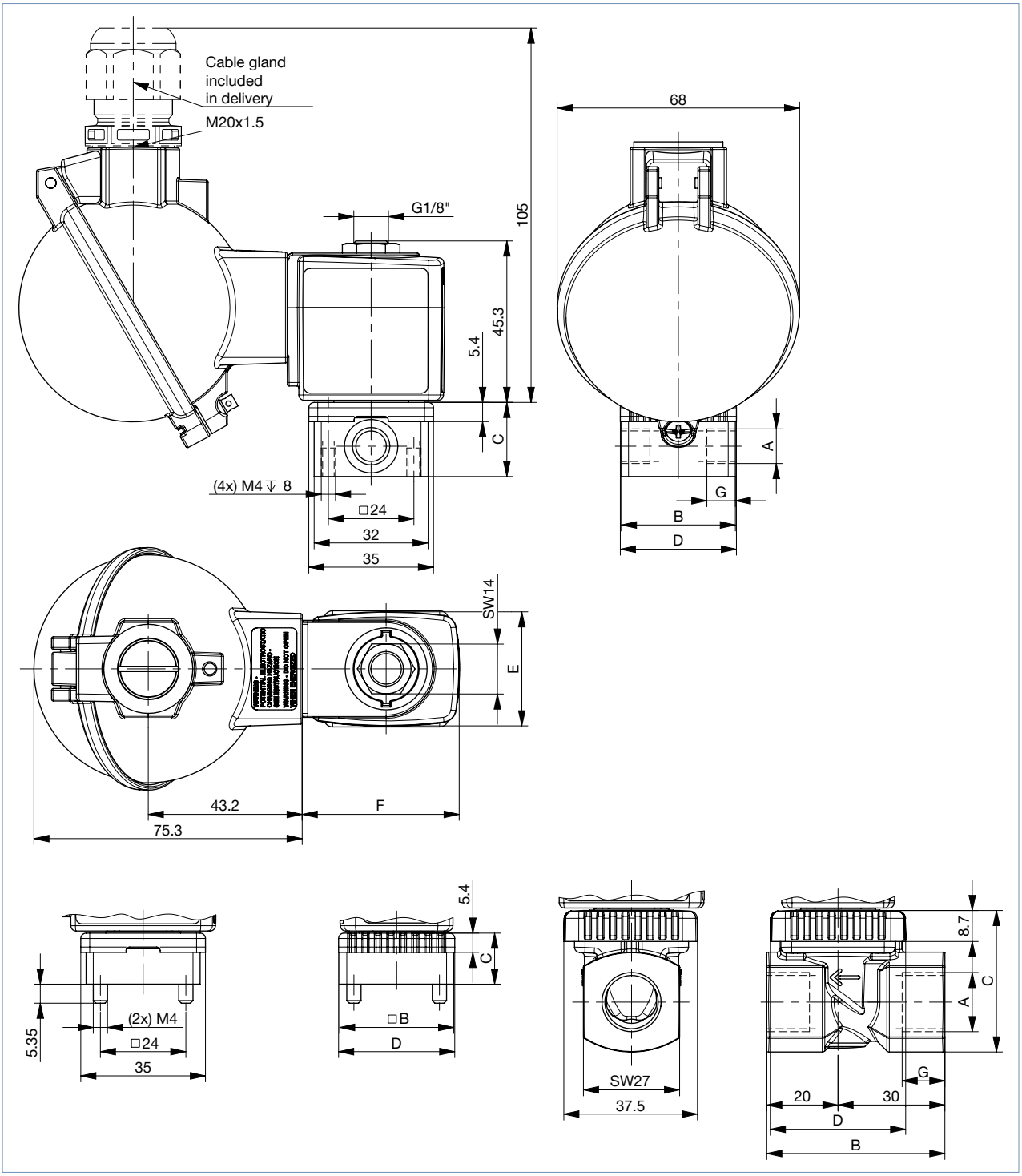
6.3. ATEX/IECEx terminal box version

Note:
Dimensions in mm



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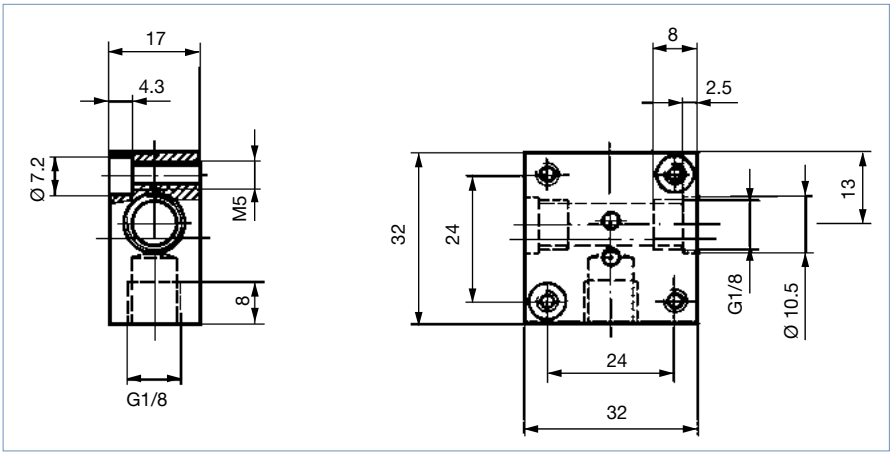
Port Connection	A	B	C	D	H
	[inch]	[mm]	[mm]	[mm]	[mm]
Threaded version	G/NPT ⅛	32	20.8	32.6	8
	G/NPT ¼	46	26.8	49	12
	G/NPT ⅜	50	39.8	38	12
Flange connection	–	32	14.3	32.6	–

Coil size	E	F
	[mm]	[mm]
5	32	44
6	40	51

6.4. Single manifold

Note:

- Dimensions in mm
- Detailed information on the installation of manifolds, see **"Manifolds for block mounting" on page 13**.



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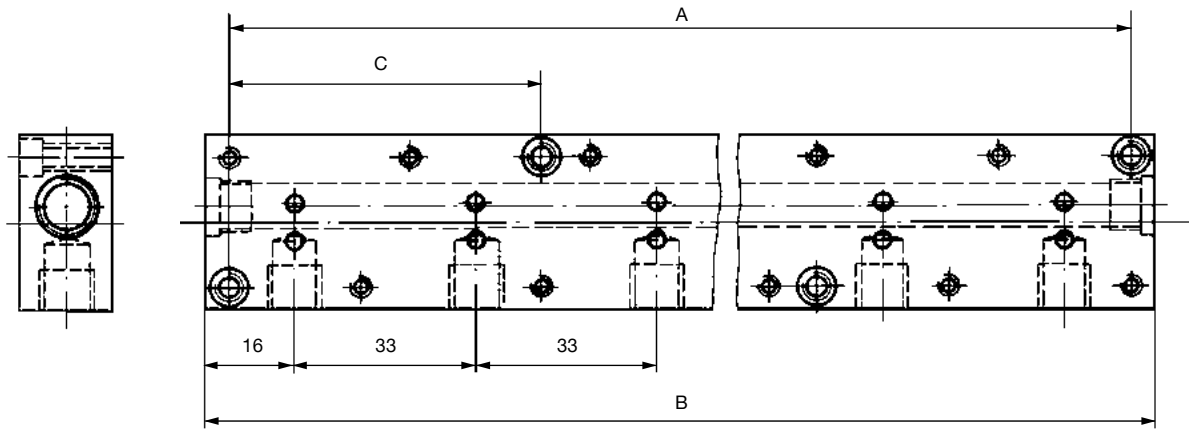
6.5. Multiple manifold

Note:

- Dimensions in mm
- Manifold only possible with coil size 5
- Brass or stainless steel manifold on request



Accessory part	Quantity of valve places	Hole spacing A		Total length B		Hole spacing C		Article no.
		[mm]	[inch]	[mm]	[inch]	[mm]	[inch]	
Multiple manifold (in aluminium)	2	57	2.24	65	2.56	–	–	005023
	3	90	3.54	98	3.86	–	–	005286
	4	123	4.84	131	5.16	–	–	005287
	5	156	6.14	164	6.46	57	2.24	005035
	6	189	7.44	197	7.76	57	2.24	005038
	8	255	10.04	263	10.35	90	3.54	005386
	10	321	12.64	329	12.95	90	3.54	005764
Single manifold (in aluminium)								005020
Connector nipple with O-ring to connect from manifold								005040
Covering plate with screws and O-ring for locking unoccupied valve positions								005630

Manifolds for block mounting

Note:

- Unused, open valve ports must be closed off with covering plates (see accessories).
- Manifold should be fixed on to a rail.
- For detailed information on dimensions “6.5. Multiple manifold” on page 13.

With manifold mounting, please comply with the permissible duty cycle (5 W models with 100 % continuous rating or standard 8 W model with 60 % duty cycle). The pressure port for the manifold is designated with P (R), and the outlet port with A (B). Only connect together ports with the same designation.

2/2-way valves of Type 6013 can be operated together on a manifold with 3/2-way valves of Type 6014, circuit function C (not D or T!) if the operating pressures matches according to the rating plates. The manifolds can also be expanded if the valve functions are taken into consideration. Connector nipples with O-rings are used to connect the P (R) ports.

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7. Performance specifications

7.1. Power consumption

Circuit function A

Orifice	Port connection	C_v value water	Weight	Power consumption[1.)]	Electr. power		Coil size	Switching times	
					Inrush	Hold		Opening	Closing
[mm]		[m³/h]	[g]	[W]	(AC)	(AC)		[ms]	[ms]
2.0	G ⅛	0.12	325	8 W AC or 8 W DC (9)	24 VA	17 VA	5 (32 mm)	20	30
2.0	G ¼	0.12	465	8 W AC or 8 W DC (9)	24 VA	17 VA	5 (32 mm)	20	30
2.0	Flange	0.12	290	8 W AC or 8 W DC (9)	24 VA	17 VA	5 (32 mm)	20	30
2.5	G ⅛	0.16	325	8 W AC or 8 W DC (9)	24 VA	17 VA	5 (32 mm)	20	30
2.5	G ¼	0.16	465	8 W AC or 8 W DC (9)	24 VA	17 VA	5 (32 mm)	20	30
3.0	G ⅛	0.23	325	8 W AC or 8 W DC (9)	24 VA	17 VA	5 (32 mm)	20	30
3.0	G ¼	0.23	465	8 W AC or 8 W DC (9)	24 VA	17 VA	5 (32 mm)	20	30
3.0	G ⅜	0.23	550	10 W AC or 10 W DC (11)	30 VA	22 VA	6 (40 mm)	20	30
4.0	G ¼	0.30	465	8 W AC or 8 W DC (9)	24 VA	17 VA	5 (32 mm)	20	30
4.0	G ⅜	0.30	550	10 W AC or 10 W DC (11)	30 VA	22 VA	6 (40 mm)	20	30
6.0	G ¼	0.55	465	8 W AC or 8 W DC (9)	24 VA	17 VA	5 (32 mm)	20	30
6.0	G ⅜	0.55	550	10 W AC or 10 W DC (11)	30 VA	22 VA	6 (40 mm)	20	30

1.) Values in brackets correspond to a coil temperature of 20 °C.

Circuit function B

Orifice	Port connection	C_v value water	Weight	Power consumption[1.)]	Electr. power		Coil size	Switching times	
					Inrush	Hold		Opening	Closing
[mm]		[m³/h]	[g]	[W]	(AC)	(AC)		[ms]	[ms]
2.00	G ⅛	0.12	325	7 W AC or 8 W DC (9)	24 VA	17 VA	5 (32 mm)	20	30
2.00	G ¼	0.12	465	7 W AC or 8 W DC (9)	24 VA	17 VA	5 (32 mm)	20	30
2.00	Flange	0.12	290	7 W AC or 8 W DC (9)	24 VA	17 VA	5 (32 mm)	20	30
3.00	G ⅛	0.23	325	7 W AC or 8 W DC (9)	24 VA	17 VA	5 (32 mm)	20	30
3.00	G ¼	0.23	465	7 W AC or 8 W DC (9)	24 VA	17 VA	5 (32 mm)	20	30
3.00	Flange	0.23	290	7 W AC or 8 W DC (9)	24 VA	17 VA	5 (32 mm)	20	30
4.00	G ¼	0.3	465	7 W AC or 8 W DC (9)	24 VA	17 VA	5 (32 mm)	20	30
6.00	G ¼	0.55	465	7 W AC or 8 W DC (9)	24 VA	17 VA	5 (32 mm)	20	30

1.) Values in brackets correspond to a coil temperature of 20 °C.

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8. Product installation

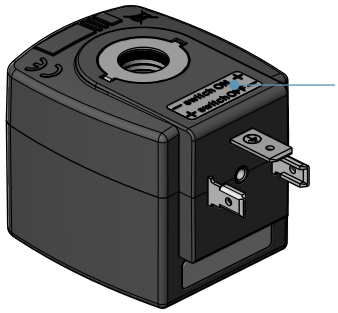
8.1. Installation notes

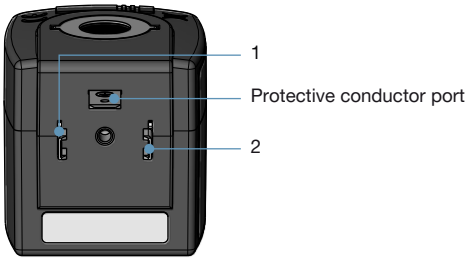
Control for impulse version with polarity reversal control

Note:

- Please use only the cable plug without electrical circuitry for the impulse version!
- Pulse duration at least 50 ms

Polarity (is marked on the coil with a label)	**Features**	**Terminal connections**
– switch ON +	valve open	(+) on terminal 2 and (–) on terminal 1 (see below)
+ switch OFF –	valve closed	(+) on terminal 1 and (–) on terminal 2 (see below)





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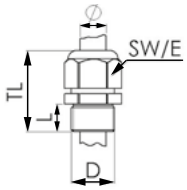
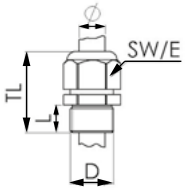
9. Product accessories

9.1. Cable glands for ATEX/IECEx terminal box

Note:
A cable gland in polyamide version is included in the delivery. A nickel-plated brass version can be ordered at a surcharge, see "10.4. Ordering chart accessories" on page 22.

Description	Ex approvals		Dimensions	
	Certification	Identification		
Ex cable gland, Brass, nickel-plated, 6…13 mm 	PTB 04 ATEX 1112 X, IECEx PTB 13.0027X	II 2 G Ex e IIC Gb, II 2 D Ex tb IIIC Db IP68		TL 29…37 mm L 6 mm D 20 mm SW 24 mm E 27 mm
Ex cable gland, Polyamide, 7…13 mm 	PTB 13 ATEX 1015 X, IECEx PTB 13.0034X	II 2 G Ex e IIC Gb, II 2 D Ex tb IIIC Db IP68		TL 36…45 mm L 10 mm D 20 mm SW 24 mm E 28 mm

9.2. Special tool to turn the terminal box

Note:
This special tool is not supplied with the valve, see "10.4. Ordering chart accessories" on page 22.

Description	Components of the set
Set SC02-AC10 	• Special wrench • Service manual

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10. Ordering information

10.1. Bürkert eShop – Easy ordering and quick delivery

Bürkert eShop – Easy ordering and quick 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

10.2. 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.

Try out our product filter

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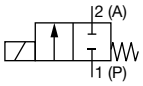
10.3. Ordering chart

Standard version

Note:
Please note that the cable plug has to be ordered separately, see "10.4. Ordering chart accessories" on page 22 or separate data sheet **Type 2518** ▶.

Circuit function	Port connection	Orifice	C_v value water[1.]	Voltage/ Frequency	Coil power	Pressure range[2.]	Article no. Brass body	Article no. Stainless steel body
		[mm]	[m³/h]	[V/Hz]	[W]	[bar]	FKM seal	
With FKM seal, brass or stainless steel body (class B)								
Circuit function A (CF A) 2/2-way solenoid valve Direct-acting Normally closed  	G ⅛	2.0	0.12	024/DC	8	0…12	134237	134233
				024/50		0…25	132865	134234
				230/50		0…25	134239	134236
	G ¼		0.12	024/DC	8	0…12	137537	137533
				024/50		0…25	137538	137534
				230/50		0…25	137540	137536
	Flange (SFB)		0.12	024/DC	8	0…12	134244	145954
				024/50		0…25	134245	–
				230/50		0…25	20022979	–
	G ⅛	2.5	0.16	024/DC	8	0…10	134240	437352
				024/50		0…16	134241	–
				230/50		0…16	134243	–
	G ⅛	3.0	0.23	024/DC	8	0…6	126091	126078
				024/50		0…10	126092	126079
				230/50		0…10	126094	126081
	G ¼		0.23	024/DC	8	0…6	125301	125317
				024/50		0…10	125302	126082
				230/50		0…10	125304	126084
	G ⅜		0.23	024/DC	10	0…8	134248	–
				024/50		0…14	134249	–
				230/50		0…14	134251	–
	G ¼	4.0	0.30	024/DC	8	0…1.5	125306	125318
				024/50		0…4	125307	125319
				230/50		0…4	125309	125320
	G ⅜		0.30	024/DC	10	0…2.5	134252	–
				024/50		0…6	134253	–
				230/50		0…6	134255	–
	G ¼	6.0	0.55	024/DC	8	0…0.5	125311	126086
				024/50		0…1.5	125312	126087
				230/50		0…1.5	125314	126089
	G ⅜		0.55	024/DC	10	0…0.75	134256	–
				024/50		0…2.5	134257	–
				230/50		0…2.5	134259	–

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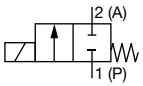
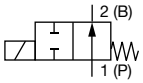
Circuit function	Port connection	Orifice	K_v value water[1.]	Voltage/ Frequency	Coil power	Pressure range[2.]	Article no.
		[mm]	[m³/h]	[V/Hz]	[W]	[bar]	
For high temperature applications (-40 °C...+180 °C), PTFE seat seal, brass body (class H)							
Circuit function A (CF A) 2/2-way solenoid valve Direct-acting Normally closed 	G ¼	2.0	0.12	024/DC	8	0...12	136015
				024/50		0...25	136016
				230/50		0...25	136018
	G ¼	3.0	0.23	024/DC	10	0...6	136019
				024/50		0...10	136020
				230/50		0...10	136022
	G ⅜		0.23	024/DC	10	0...8	136023
				024/50		0...14	136024
				230/50		0...14	136026

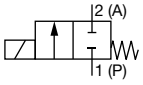
1.) Measurement at 1 bar[2.] and +20 °C at the valve inlet and free outlet
2.) Pressure data: Overpressure to atmospheric pressure

Circuit function	Port connection	Orifice	C_v value water[1.]	Voltage/ Frequency	Coil power	Pressure range[2.]	Article no.
		[mm]	[m³/h]	[V/Hz]	[W]	[bar]	
With FKM seal and brass body (class H)							
Circuit function B (CF B) 2/2-way solenoid valve Direct-acting Normally open 	G ⅛	2.0	0.12	024/DC	8	0...16	213543
				230/50	7		213550
	G ⅛	3.0	0.23	024/DC	8	0...8	213545
				230/50	7		213551
	G ¼		0.23	024/DC	8	0...8	213546
				230/50	7		213552
	G ¼	4.0	0.3	0024/DC	8	0...4	213548
				230/50	7		213553
	G ¼	6.0	0.55	0024/DC	8	0...2	213549
				230/50	7		213554

1.) Measurement at 1 bar[2.] and +20 °C at the valve inlet and free outlet
2.) Pressure data: Overpressure to atmospheric pressure

Impulse version

Note:
Please note that the cable plug has to be ordered separately, see "10.4. Ordering chart accessories" on page 22 or separate data sheet **Type 2518** ▶.

Circuit function	Port connection	Orifice	C_v value water[1.]	Pressure range[2.]	Power consumption DC (hot/cold coil)	Article no.	
						012/DC	024/DC
		[mm]	[m³/h]	[bar]	[W]	[V/Hz]	[V/Hz]
With FKM seal and brass body (class H)							
Circuit function A (CF A) 2/2-way solenoid valve Direct-acting Normally closed 	Flange (SFB)	2.0	0.12	0...16	7	209266	209272
		2.5	0.16	0...10	7	209267	209273
		3.0	0.23	0...6	7	209268	209274
	G ⅛	2.0	0.12	0...16	7	209269	209275
		2.5	0.16	0...10	7	209270	209276
		3.0	0.23	0...6	7	209271	209277

1.) Measurement at 1 bar[2.] and +20 °C at the valve inlet and free outlet
2.) Pressure data: Overpressure to atmospheric pressure

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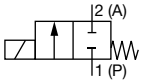
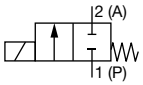
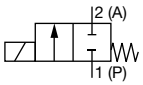
Analytical version

Note:
Please note that the cable plug has to be ordered separately, see "10.4. Ordering chart accessories" on page 22 or separate data sheet **Type 2518** ▶.

Circuit function	Port connection	Orifice	K_V value water[1.]	Voltage/ Frequency	Coil power	Pressure range[2.]	Article no.
		[mm]	[m³/h]	[V/Hz]	[W]	[bar]	
With FKM seal and brass body (class B)							
Circuit function A (CF A) 2/2-way solenoid valve Direct-acting Normally closed 	G ⅛	2.0	0.12	024/DC	8	0…12	137826
				230/50		0…25	137827
	G ⅛	2.5	0.16	024/DC	8	0…10	137828
				230/50		0…16	137829
	G ¼	3.0	0.23	024/DC	8	0…6	137830
				230/50		0…10	137831
	G ¼	4.0	0.30	024/DC	8	0…1.5	137832
				230/50		0…4	137833
With FKM seal and stainless steel body (class B)							
Circuit function A (CF A) 2/2-way solenoid valve Direct-acting Normally closed 	G ⅛	2.0	0.12	024/DC	8	0…12	137818
				230/50		0…25	137819
	G ¼	2.0	0.12	024/DC	8	0…12	137820
				230/50		0…25	137821
	G ¼	3.0	0.23	024/DC	8	0…6	137822
				230/50		0…10	137823
	G ¼	4.0	0.30	024/DC	8	0…1.5	137824
				230/50		0…4	137825

1.) Measurement at 1 bar[2.] and +20 °C at the valve inlet and free outlet
2.) Pressure data: Overpressure to atmospheric pressure

DVGW version

Circuit function	Port connection	Orifice	C_V value water[1.]	Voltage/ Frequency	Coil power	Pressure range[2.]	Article no.
		[mm]	[m³/h]	[V/Hz]	[W]	[bar]	
With NBR seal, brass body (class B)							
Circuit function A (CF A) 2/2-way solenoid valve Direct-acting Normally closed 	G ¼	3.0	0.23	024/DC	8	0…5	258362
				230/50		0…5	296548
	G ¼	4.0	0.3	024/DC	8	0…1.5	258361
				230/50		0…4	296549
	G ¼	6.0	0.55	024/DC	8	0…0.5	266293
				230/50		0…1.5	301072

1.) Measurement at 1 bar[2.] and +20 °C at the valve inlet and free outlet
2.) Pressure data: Overpressure to atmospheric pressure

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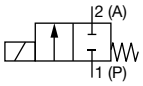
ATEX/IECEx cable version

Note:

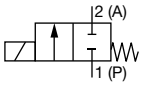
- The maximum medium temperature may never exceed the permissible temperature class (T4 135 °C, T5 100 °C, T6 85 °C) minus 5K.
- With 3 m cable as standard. Other lengths on request.

Circuit function	Port connection	Orifice	C_v value water[1.]	Voltage/ Frequency	Coil power	Pressure range[2.]	Article no.	
		[mm]	[m³/h]	[V/Hz]	[W]	[bar]	Brass body	Stainless steel body
Ex m T4 approved, with FKM seal and molded cable (3 m), single mounting only								
Circuit function A (CF A) 2/2-way solenoid valve Direct-acting Normally closed 	manifold (SFB)	2.0	0.11	024/AC/DC	7	0…6	351923	351915
				230/AC/DC			364417	X
	G ⅛		0.12	024/AC/DC	9	0…10	351895	351900
				230/AC/DC			X	351926
	G ¼		0.12	024/AC/DC	9	0…10	351909	351901
				230/AC/DC			351920	351914
	G ⅛	2.5	0.16	024/AC/DC	9	0…8	364430	X
				230/AC/DC			X	X
	G ⅛	3.0	0.23	024/AC/DC	9	0…5	X	351933
				230/AC/DC			X	X
	G ¼		0.23	024/AC/DC	9	0…5	351896	351899
				230/AC/DC			351925	351936
	G ¼	4.0	0.30	024/AC/DC	9	0…1.2	351921	364523
				230/AC/DC			X	364528
	G ¼	6.0	0.55	024/AC/DC	9	0…0.4	351902	351948
				230/AC/DC			364517	X

X: on request

ATEX/IECEx terminal box version

Note:
The maximum medium temperature may never exceed the permissible temperature class (T4 135 °C, T5 100 °C, T6 85 °C) minus 5K.

Circuit function	Port connection	Orifice	C_v value water[1.]	Voltage/ Frequency	Coil power	Pressure range[2.]	Article no.	
		[mm]	[m³/h]	[V/Hz]	[W]	[bar]	Brass body	Stainless steel body
Ex m T4 approved, with FKM seal and molded cable (3 m), single mounting only								
Circuit function A (CF A) 2/2-way solenoid valve Direct-acting Normally closed 	manifold (SFB)	1.5	0.08	024/AC/DC	9	0…16	364529	X
	G ⅛	2	0.12	024/AC/DC		0…10	351938	351953
				230/AC/DC			364533	364537
	G ¼			024/AC/DC			351944	351917
				230/AC/DC			364538	351929

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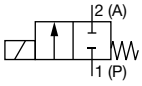
Circuit function	Port connection	Orifice	C_V value water[1.]	Voltage/ Frequency	Coil power	Pressure range[2.]	Article no.	
		[mm]	[m³/h]	[V/Hz]	[W]	[bar]	Brass body	Stainless steel body
Circuit function A (CF A) 2/2-way solenoid valve Direct-acting Normally closed 	G ⅛	3	0.23	024/AC/DC	9	0…5	364540	X
				230/AC/DC			X	X
	G ¼			024/AC/DC			X	351906
				230/AC/DC			X	364541
		4	0.3	024/AC/DC		0…1.2	351941	364544
				230/AC/DC			X	364548
		6	0.55	024/AC/DC		0…0.4	364551	364554
				230/AC/DC			364555	364556

X: on request

10.4. Ordering chart accessories

Singel manifold

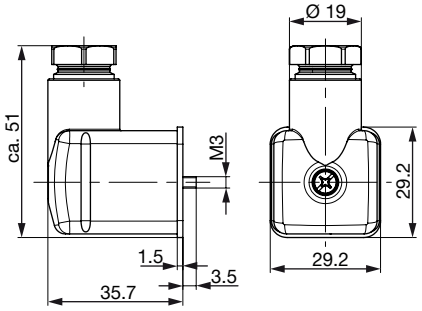
Note:
Detailed ordering information can be found in chapter "5.6. Single manifold" on page 13.

Multiple manifold

Note:
Detailed ordering information can be found in chapter "6.5. Multiple manifold" on page 13.

Cable plug Type 2518, form A according to DIN EN 175301-803

Note:
For further versions see data sheet **Type 2518** ▶.

Cable plug	Dimensions	Version	Voltage	Article no.
		Without circuitry (AC/DC)	0…250 V AC/DC	314802
		With LED (AC/DC)	12…24 V AC/DC	314812
		With LED and varistor (AC/DC)	12…24 V AC/DC	314820
		With rectifier, LED and varistor	12…24 V AC/DC	314816

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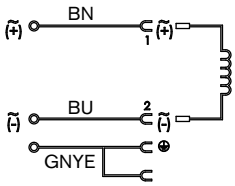
Cable plug Type 2513, form A according to DIN EN 175301 - 803

Note:

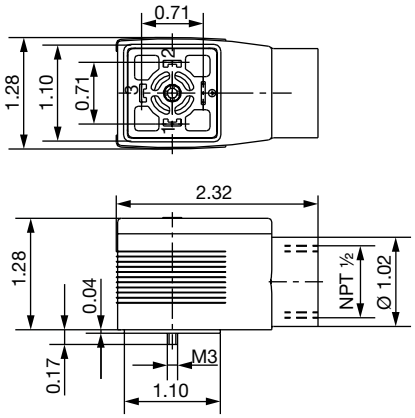
- Cable plug Type 2513 meets the requirements of ATEX category 3 GD when assembled with a Bürkert solenoid valve.
- For more information on the cable plug, see data sheet **Type 2513** ▶.

Cable plug	Circuit diagram	Cable length [mm]	Article no.
		12000	260893
		5000	260892
		3000	260891
		300	260890

Cable plug Type 2509, form A according to DIN EN 175301 - 803

Note:

- Without circuitry (Standard)
- For more information on the cable plug, see data sheet **Type 2509** ▶.

Cable plug	Dimensions	Version	Voltage	Article no.
		Without circuitry	0…250 V AC/DC	137943

Cable glands for ATEX/IECEx terminal box

Note:

- A cable gland in polyamide version is included in the delivery. A nickel-plated brass version can be ordered at surcharge.
- For more information on Ex cable glands see **"9.1. Cable glands for ATEX/IECEx terminal box" on page 16**.
- For more information on Special wrench see **"9.2. Special tool to turn the terminal box" on page 16**.

Description	Article no.
Ex cable gland, brass, nickel-plated, 6…13 mm[1.)]	773278
Ex cable gland, polyamide, 7…13 mm[1.)]	773277
Set SC02-AC10: Special wrench[2.)] incl. service manual	293488

1.) Cable diameter

2.) Not included in the scope of delivery of the valve

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Further versions on request			
	Approval • UL / UR / CSA • UL Hazloc Div 2 • FM Hazloc Div 1 • European gas approval Class A, Group 2		**Pressure** Variants with increased coil power for higher medium pressure
			Process connection Threaded port NPT, Rc
	Material Seal material EPDM		**Voltage** Further voltages on request

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