

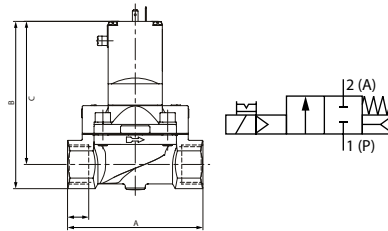
2/2-way solenoid valve

media-separated

STAINLESS STEEL

Art. No. 183631

Type No. MVA.112.ES.24D.F.BV.40.MG



Exemplary illustration

The type 5282 valve is a servo-assisted diaphragm valve.

A minimum differential pressure is required for the valve to function. Depending on the application, different diaphragm materials and operating modes are available.

The solenoid coils are encapsulated with a chemically highly resistant epoxy. For commissioning and testing, type 5282 is equipped with manual override. NEMA 4X is available on request.

Technical data

Thread	G 1 1/2 IT
Operating pressure	0.2 - 10 bar
Voltage	24 V DC
Housing	stainless steel 1.4581
Valve seat	brass and stainless steel
Internal parts	brass and stainless steel
Sealant	FKM
Medium temperature	0 to 90 °C
Ambient temperature	0 to 55 °C
Protection IP	IP 65 (with connector socket fitted)
Electrical connection	pin terminal acc. to DIN EN 175301-803, type A
Max. operating pressure	10 bar
Min. medium temperature	0 °C
Max. medium temperature	90 °C
Min. ambient temperature	0 °C
Max. ambient temperature	55 °C
Function	normally closed (NC)
DN	40 mm
A	126.0 mm
B	156.0 mm
C	126.0 mm

Commercial data

Customs tariff number	84818079
Country of origin	DE
eCl@ss 5.1.4	27220601
eCl@ss 9.0	27220601
UNSPSC_Code_v190501	40141605
UNSPSC_CodeDesc_v190501	Solenoid valves

DATA SHEET
Type 5282

bürkert
FLUID CONTROL SYSTEMS


Servo-assisted 2/2-way diaphragm valve

- Servo-assisted diaphragm valve up to DN65 orifice
- Separating diaphragm for aggressive and contaminated media
- Closing and opening times can be adjusted individually
- Explosion-proof versions (Cat.2)
- Service-friendly manual override



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

Can be combined with

	Type 2518 Cable plug, form A according to DIN EN 175301-803	▶
	Type 1087 Timer, form A according to DIN EN 175301-803	▶
	Type 2509 Cable plug, form A according to DIN EN 175301-803	▶

Type description

The 5282 valve is a servo-assisted diaphragm valve. A minimum differential pressure is required for the valve to function. Various diaphragm material combinations and circuit functions are available depending on the application. The standard brass body satisfies all European drinking water requirements. The body offering is completed with stainless steel versions. The 3/2-way pilot valve can be easily converted from NC to NO circuit function by rotating it on the armature. The solenoid coils are moulded with a chemically resistant epoxy. The 5282 is equipped with manual override for start-up and testing. NEMA 4X is available on request.

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Type 5282

1. General technical data

Product properties	
Dimensions	Further information can be found in chapter “5. Dimensions” on page 7.
Material	
Seal	NBR, EPDM, FKM
Flange body	Stainless steel 1.4581/316CB
Threaded body	Brass according to DIN EN 50930 – 6 DN 13 stainless steel CF3M DN 20...DN 50 stainless steel 1.4581/316CB
Coil	Epoxy
Internal valve parts	Stainless steel, brass
Orifice	DN 13...DN 65
Circuit function	A and B Further information can be found in chapter “2. Circuit functions” on page 4.
Thermal insulation class of solenoid coil	Epoxy coil class H
Performance data	
Duty cycle	100 % continuous operation
Switching time ¹⁾	Opening: 0.1...0.8 s Closing: 1.0...4.0 s
Electrical data	
Operating voltage	24 V DC, 24 V 56 Hz, 230 V 56 Hz, 24 V AC/DC, 230 V AC/DC
Power consumption	
Standard version	Inrush AC 30 VA Operation AC 15/8 VA W DC cold/hot 11/8 W
Explosion-proof version	Inrush AC 40 VA Operation AC 3 VA W DC cold/hot 40 W inrush / 3 W operation
Voltage tolerance	± 10 %
Medium data	
Operating medium	
With NBR	Neutral media (e.g. compressed air, water, hydraulic oil)
With EPDM	Oil and grease-free media, alkalis, hot water
With FKM	Hot air, per solutions, hot oils
Medium temperature	
With NBR	0 °C...+ 80 °C
With EPDM	- 25 °C...+ 90 °C
With FKM	0 °C...+ 90 °C
Process/Port connection & communication	
Electrical connection	
Standard version	- Cable plug Type 2518 ▶, form A according to DIN EN 175301 - 803 Further information can be found in chapter “Cable plug Type 2518, form A according to DIN EN 175301 - 803” on page 18. - Cable plug Type 2509 ▶, form A according to DIN EN 175301 - 803 Further information can be found in chapter “Cable plug Type 2509, form A according to DIN EN 175301 - 803” on page 18.
Explosion-proof version	With moulded 3 meter cable, 3 × 0.5 mm ² With terminal box
Approvals and conformities	
Directive	CE, EAC
Degree of protection	IP65 with cable plug according to DIN EN 175301 - 803 form A IP65 with cable connection or terminal box
Explosion protection	Further information can be found in chapter “3.4. Explosion protection” on page 5.
North America (USA/Canada)	Further information can be found in chapter “3.5. North America (USA/Canada)” on page 5.
Others	Further information can be found in chapter “3.7. Others” on page 6.

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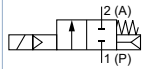
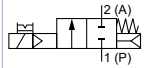
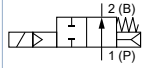
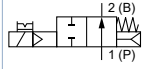
Type 5282



Environment and installation	
Installation position	Any, preferably actuator face up
Ambient temperature	Max. + 55 °C

1.) Measurement at + 20 °C, 6 bar at the valve outlet, opening: pressure build-up 0...90 %, closing: pressure reduction 100...10 %
The switching time can be changed by turning the throttle screws (in the housing lid).

2. Circuit functions

Symbol	Description
	Circuit function A (CF A) 2/2-way solenoid valve Servo-controlled Normally closed
	Circuit function A (CF A) 2/2-way solenoid valve Servo-controlled, with manual override Normally closed
	Circuit function B (CF B) 2/2-way solenoid valve Servo-controlled Normally open
	Circuit function B (CF B) 2/2-way solenoid valve Servo-controlled, with manual override Normally open

3. Approvals and conformities

3.1. General notes

- The approvals and conformities listed below must be stated when making enquiries. This is the only way to ensure that the product complies with all required specifications.
- Not all available versions can be supplied with the below mentioned approvals or conformities.

3.2. Conformity

In accordance with the Declaration of Conformity, the product is compliant with the EU Directives.

3.3. Standards

The applied standards which are used to demonstrate compliance with the EU Directives are listed in the EU-Type Examination Certificate and/or the EU Declaration of Conformity.

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3.4. Explosion protection

Approval	Description						
 	Optional: Explosion protection according to category 2 (zone 1/21) Ex marking of the components according to the following table: <table border="1"> <thead> <tr> <th colspan="2">Coil Type ACP016</th></tr> <tr> <th>Coils with cable outlet</th><th>Coils with terminal box</th></tr> </thead> <tbody> <tr> <td> ATEX: EPS 16 ATEX 1 111 X II 2 G Ex mb IIC T4 Gb II 2 D Ex mb IIIC T130 °C Db IECEx: IECEx EPS 16.0049X Ex mb IIC T4 Gb Ex mb IIIC T130 °C Db </td><td> ATEX: PTB 15 ATEX 1011 U II 2 G Ex eb mb IIC T4 Gb II 2 D EX mb tb IIIC T130 °C IECEx: IECEx PTB 15.0037 U II eb mb IIC T4 Gb II mb tb IIIC T130 °C Db </td></tr> </tbody> </table>	Coil Type ACP016		Coils with cable outlet	Coils with terminal box	ATEX: EPS 16 ATEX 1 111 X II 2 G Ex mb IIC T4 Gb II 2 D Ex mb IIIC T130 °C Db IECEx: IECEx EPS 16.0049X Ex mb IIC T4 Gb Ex mb IIIC T130 °C Db	ATEX: PTB 15 ATEX 1011 U II 2 G Ex eb mb IIC T4 Gb II 2 D EX mb tb IIIC T130 °C IECEx: IECEx PTB 15.0037 U II eb mb IIC T4 Gb II mb tb IIIC T130 °C Db
Coil Type ACP016							
Coils with cable outlet	Coils with terminal box						
ATEX: EPS 16 ATEX 1 111 X II 2 G Ex mb IIC T4 Gb II 2 D Ex mb IIIC T130 °C Db IECEx: IECEx EPS 16.0049X Ex mb IIC T4 Gb Ex mb IIIC T130 °C Db	ATEX: PTB 15 ATEX 1011 U II 2 G Ex eb mb IIC T4 Gb II 2 D EX mb tb IIIC T130 °C IECEx: IECEx PTB 15.0037 U II eb mb IIC T4 Gb II mb tb IIIC T130 °C Db						

3.5. North America (USA/Canada)

Approval	Description
	Valid for valves: UL Listed for the USA The valves are UL Listed for the USA according to: UL 429 (electrically operated valves) and UL 429A (Electrically Operated Valves for Fire Protection Service)
	Valid for coils: UL Hazardous Locations – Explosion Protection UL Listed for Hazardous Locations for USA and Canada Class I, Zone 1 Class I, Division 2, Group A, B, C and D Class II + III, Division 2, Group F and G
	Valid for valves: UL Recognized for the USA The valves are UL Recognized for the USA according to: UL 429 (electrically operated valves) and UL 429A (Electrically Operated Valves for Fire Protection Service)
	Valid for valves: CSA for Canada The valves are CSA approved for Canada according to: CSA 139 (electrically operated valves)
	Valid for coils: FM (Factory Mutual) – Explosion Protection FM for Hazardous Locations for USA and Canada Class I, Zone 1 Class I, Division 1, Groups A, B, C and D Class II + III, Division 1, Groups E, F and G

3.6. Drinking water

Conformity	Description
	Suitable for use in drinking water applications The materials comply with the assessment principles (UBA) for materials in contact with drinking water (TrinkwasserV). PF39: Suitable for products with a maximum temperature of 85 °C (hot water) PF36: Suitable for products with a maximum temperature of 60 °C (warm water)

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3.7. Others

DNV GL classification

Approval	Description
	DNV GL classification – Ships, offshore units, and high speed and light craft The products are accepted for installation on all vessels classed by DNV GL.

4. Materials

4.1. Bürkert resistApp

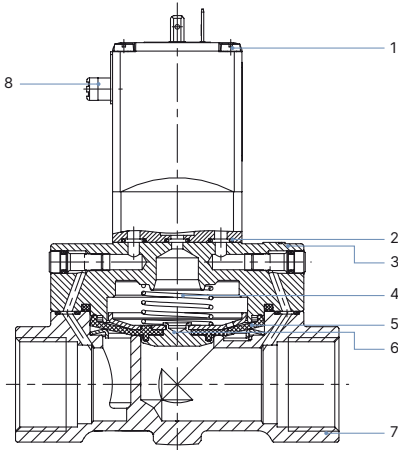


Bürkert resistApp – Chemical resistance chart

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](#)

4.2. Material specifications



No.	Element	Material
1	Coil	Epoxy
2	O-rings	NBR, EPDM, FKM
3	Cover	Brass DN 13 stainless steel 1.4408/316 DN 20...DN 50 stainless steel 1.4581/316CB
4	Springs	Stainless steel 1.4310/302
5	Diaphragm	NBR, EPDM, FKM
6	Diaphragm holder	Brass, stainless steel 1.4401 /316
7	Valve body	Brass DN 13 stainless steel CF3M DN 20...DN 50 stainless steel 1.4581/316CB
8	Manual override	PA

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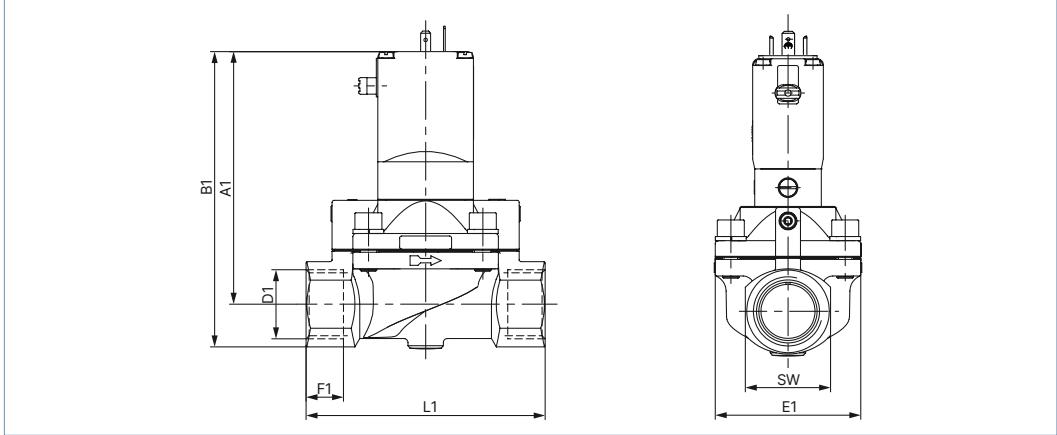
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Type 5282



5. Dimensions
5.1. Standard version
Threaded version

- Note:**
- Dimensions in mm
 - The dimensions D1 and F1 apply to G-threads.
 - The dimensions D2 and F2 apply to NPT-threads.
 - The dimensions D3 and F3 apply to Rc-threads.



DN	A1	B1	G		NPT		Rc		E1	L1	SW
			D1	F1	D2	F2	D3	F3			
13 ¹⁾	109.0	123.0	G ½	14	NPT ½	13.7	Rc ½	13.2	40	65	27
13 ²⁾	108.0	124.0	G ½	14	NPT ½	13.7	Rc ½	13.2	40	65	32
13 ²⁾	108.0	124.0	G ¾	16	NPT ¾	14.0	Rc ¾	14.5	40	65	32
20 ²⁾	115.0	131.0	G ½	14	NPT ½	13.7	Rc ½	13.2	60	100	32
20	115.0	131.0	G ¾	16	NPT ¾	14.0	Rc ¾	14.5	60	100	32
25	121.5	142.0	G 1	18	NPT 1	16.8	Rc 1	16.8	70	115	41
32	122.0	147.0	G 1¼	20	NPT 1¼	17.3	Rc 1¼	19.1	85	126	50
40	126.0	156.0	G 1½	22	NPT 1½	17.3	Rc 1½	19.1	85	126	60
50	142.5	177.5	G 2	24	NPT 2	17.6	Rc 2	23.4	115	164	70
65	142.5	185.0	G 2½	27	NPT 2½	23.6	–	–	115	180	85

1.) Only threaded brass connection
2.) Only threaded stainless steel connection

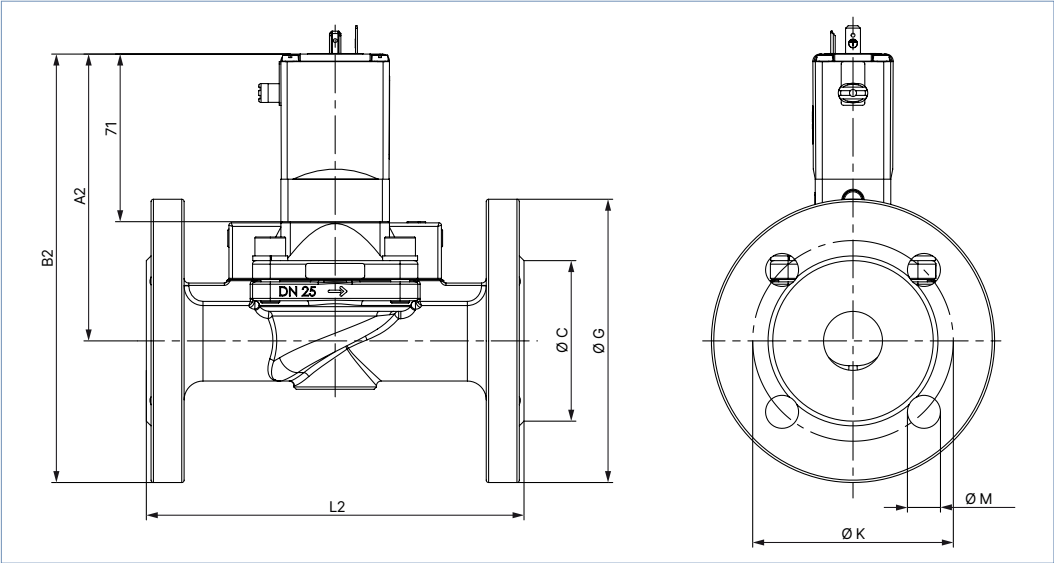
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Type 5282



Flange version according to DIN EN 1092 - 1

Note:
Dimensions in mm



Version	DN	A2	B2	Ø C	Ø G	L2	Ø M	Ø K
Brass with cast stainless steel body	25	121.5	181.5	68	120	160	14	85
	32	122.0	192.0	78	140	180	18	100
	40	128.0	203.0	88	150	200	18	110
	50	142.8	225.3	102	165	230	18	125
Stainless steel with cast stainless steel body	25	120.5	180.5	68	120	160	14	85
	32	122.0	192.0	78	140	180	18	100
	40	128.0	203.0	88	150	200	18	110
	50	142.8	225.3	102	165	230	18	125

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Type 5282

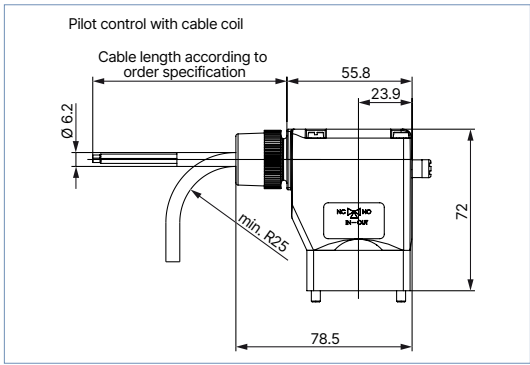
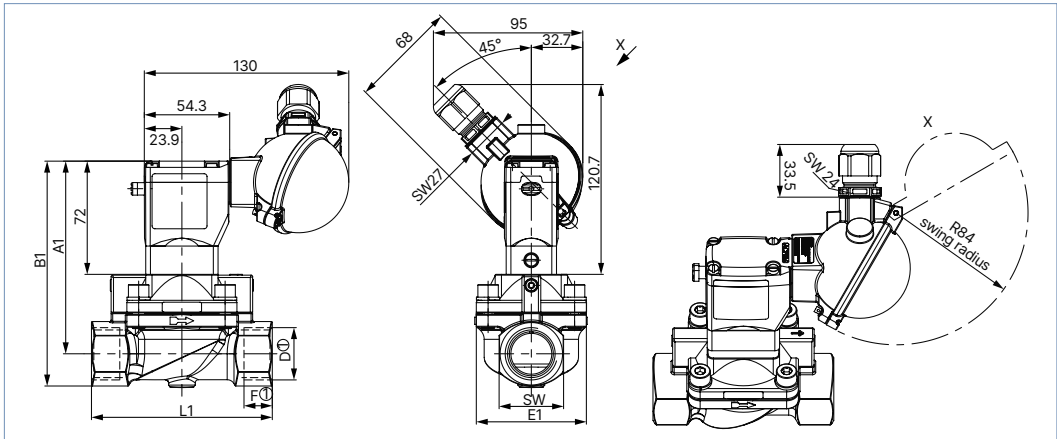


5.2. Explosion-proof version

Threaded version

Note:

- Dimensions in mm
- The dimensions D1 and F1 apply to G-threads.
- The dimensions D2 and F2 apply to NPT-threads.
- The dimensions D3 and F3 apply to Rc-threads.



DN	A1	B1	G		NPT		Rc		E1	L1	AF
			D1	F1	D2	F2	D3	F3			
13 ¹⁾	110.0	124.0	G ½	14	NPT ½	13.7	Rc ½	13.2	40	65	27
13 ²⁾	109.0	125.0	G ½	14	NPT ½	13.7	Rc ½	13.2	40	65	32
13 ²⁾	109.0	125.0	G ¾	16	NPT ¾	14.0	Rc ¾	14.5	40	65	32
20 ²⁾	116.0	132.0	G ½	14	NPT ½	13.7	Rc ½	13.2	60	100	32
20	116.0	132.0	G ¾	16	NPT ¾	14.0	Rc ¾	14.5	60	100	32
25	122.5	143.0	G 1	18	NPT 1	16.8	Rc 1	16.8	70	115	41
32	123.0	148.0	G 1¼	20	NPT 1¼	17.3	Rc 1¼	19.1	85	126	50
40	127.0	157.0	G 1½	22	NPT 1½	17.3	Rc 1½	19.1	85	126	60
50	143.8	178.8	G 2	24	NPT 2	17.6	Rc 2	23.4	115	164	70
65	143.5	186.0	G 2½	27	NPT 2½	23.6	–	–	115	180	85

1.) Only threaded brass connection
2.) Only threaded stainless steel connection

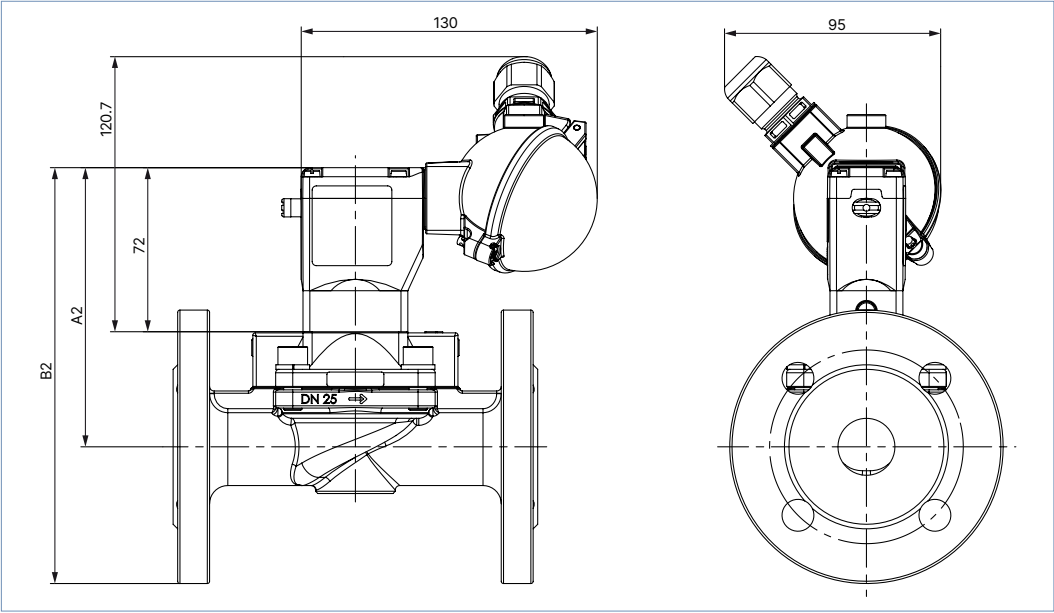
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Type 5282



Flange version according to DIN EN 1092 -1

- Note:**
- Dimensions in mm
 - Refer to **“Threaded version”** on page 9 for more information about coil and terminal box dimensions.



Version	DN	A2	B2	Ø C	Ø G	L2	Ø M	Ø K
Brass with cast stainless steel body	25	122.5	182.5	68	120	160	14	85
	32	123.0	193.0	78	140	180	18	100
	40	129.0	204.0	88	150	200	18	110
	50	143.8	226.3	102	165	230	18	125
Stainless steel with cast stainless steel body	25	121.5	181.5	68	120	160	14	85
	32	123.0	193.0	78	140	180	18	100
	40	129.0	204.0	88	150	200	18	110
	50	143.8	226.3	102	165	230	18	125

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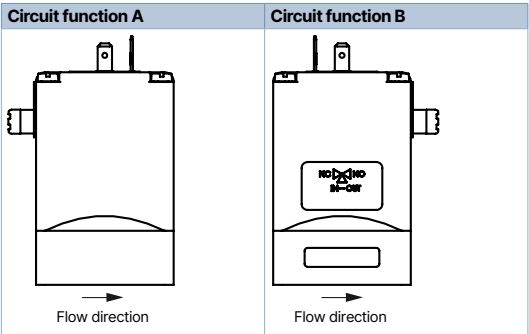


6. Product installation

6.1. Mounting options

Note:

- The delivery condition corresponds to the order key. Turning the pilot valve through 180° changes the circuit function of the valve.
- The circuit function can only be changed for versions up to 10 bar.

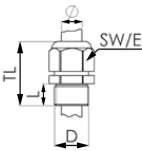
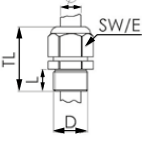


7. Product accessories

7.1. Cable glands for ATEX/IECEX terminal box

Note:

A polyamide cable gland is included in the scope of delivery. A nickel-plated brass version can be ordered for a surcharge, see “8.5. Ordering chart accessories” on page 18.

Description	Ex approvals		Dimensions											
	Certification	Identification												
Ex cable gland, Nickel-plated brass, 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		<table><tr><td>TL</td><td>29...37 mm</td></tr><tr><td>L</td><td>6 mm</td></tr><tr><td>D</td><td>20 mm</td></tr><tr><td>SW</td><td>24 mm</td></tr><tr><td>E</td><td>27 mm</td></tr></table>	TL	29...37 mm	L	6 mm	D	20 mm	SW	24 mm	E	27 mm
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		<table><tr><td>TL</td><td>36...45 mm</td></tr><tr><td>L</td><td>10 mm</td></tr><tr><td>D</td><td>20 mm</td></tr><tr><td>SW</td><td>24 mm</td></tr><tr><td>E</td><td>28 mm</td></tr></table>	TL	36...45 mm	L	10 mm	D	20 mm	SW	24 mm	E	28 mm
TL	36...45 mm													
L	10 mm													
D	20 mm													
SW	24 mm													
E	28 mm													

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Type 5282



7.2. Special tool to turn the terminal box

Note:

This special tool is not included in the scope of delivery of the valve, see "8.5. Ordering chart accessories" on page 18.

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

8. Ordering information

8.1. Bürkert eShop



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.

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8.2. Bürkert product filter

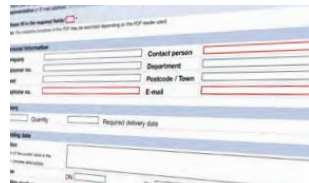


Bürkert product filter – Get quickly to the right product

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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8.3. Bürkert Product Enquiry Form



Bürkert Product Enquiry Form – Your enquiry quickly and compactly

Would you like to make a specific product enquiry based on your technical requirements? Use our Product Enquiry Form for this purpose. There you will find all the relevant information for your Bürkert contact. This will enable us to provide you with the best possible advice.

[Fill out the form now](#)

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Type 5282

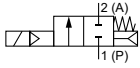


8.4. Ordering chart

Basic version

Note:

Please note that the cable plug must be ordered separately, see "8.5. Ordering chart accessories" on page 18 or separate data sheet Type 2518 ▶.

Circuit function	Port connection	Orifice	Flow coefficient water ¹⁾²⁾	Pressure range ³⁾	Weight	Article no.		
						024/DC	024/50...60	230/50...60
		[mm]	[m³/h]	[bar]	[kg]	[V/Hz]	[V/Hz]	[V/Hz]
With threaded connection without manual override, without adjustable opening and closing times, without cable plug								
CF A								
2/2-way solenoid valve								
Servo-controlled								
Normally closed								
	G ½	13.0	4.0	0.2...16	0.95	20068749 ☞	o. r.	20068752 ☞
	G ¾	20.0	6.5	0.2...16	1.40	20068750 ☞	o. r.	20068753 ☞
	G 1	25.0	10.0	0.2...16	1.85	20068751 ☞	o. r.	20068754 ☞
	G 1¼	32.0	20.0	0.2...16	2.60	o. r.	o. r.	o. r.
	G 1½	40.0	20.0	0.2...16	3.05	o. r.	o. r.	o. r.
	G 2	50.0	40.0	0.2...16	5.15	o. r.	o. r.	o. r.
	G 2½	65.0	40.0	0.2...16	5.90	o. r.	o. r.	o. r.
	Stainless steel body and seal material FKM, pressure range 0.2...12 bar							
	G ½	13.0	4.0	0.2...12	0.95	20068755 ☞	o. r.	20068758 ☞
	G ¾	20.0	6.5	0.2...12	1.40	20068756 ☞	o. r.	20068759 ☞
	G 1	25.0	10.0	0.2...12	1.85	20068757 ☞	o. r.	20068760 ☞
	G 1¼	32.0	20.0	0.2...12	2.60	o. r.	o. r.	o. r.
	G 1½	40.0	20.0	0.2...12	3.05	o. r.	o. r.	o. r.
	G 2	50.0	40.0	0.2...12	5.15	o. r.	o. r.	o. r.
	G 2½	65.0	40.0	0.2...12	5.90	o. r.	o. r.	o. r.

o. r. = on request

1.) Measurement at +20 °C, 1 bar²⁾ at the valve inlet and free outlet

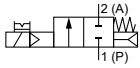
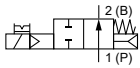
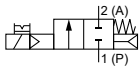
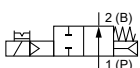
2.) A pressure difference of 0.5 bar is required to open the full cross-section.

3.) Pressure data: overpressure to atmospheric pressure

Type 5282

Standard version with brass body
Note:

Please note that the cable plug must be ordered separately, see "8.5. Ordering chart accessories" on page 18 or separate data sheet Type 2518 ▶.

Circuit function	Port connection	Orifice	Flow coefficient water ¹⁾²⁾	Pressure range ³⁾	Weight	Article no.		
						024/DC	024/50...60	230/50...60
		[mm]	[m³/h]	[bar]	[kg]	[V/Hz]	[V/Hz]	[V/Hz]
With threaded connection and manual override, without cable plug								
CF A	Seal material NBR, pressure range 0.2...10 bar							
2/2-way solenoid valve Servo-controlled, with manual override Normally closed 	G 1/2	13.0	4.0	0.2...10	0.95	134430 ☞	134431 ☞	134433 ☞
	G 3/4	20.0	6.5	0.2...10	1.40	134434 ☞	134435 ☞	134437 ☞
	G 1	25.0	10.0	0.2...10	1.85	134438 ☞	134439 ☞	134441 ☞
	G 1 1/4	32.0	20.0	0.2...10	2.60	134442 ☞	134443 ☞	134445 ☞
	G 1 1/2	40.0	20.0	0.2...10	3.05	134446 ☞	134447 ☞	134449 ☞
	G 2	50.0	40.0	0.2...10	5.15	134450 ☞	134451 ☞	134453 ☞
	G 2 1/2	65.0	40.0	0.2...10	5.90	134454 ☞	134455 ☞	134457 ☞
CF B	Seal material FKM, pressure range 0.2...10 bar							
2/2-way solenoid valve Servo-controlled, with manual override Normally open 	G 1/2	13.0	4.0	0.2...10	0.95	134486 ☞	134487 ☞	134489 ☞
	G 3/4	20.0	6.5	0.2...10	1.40	134490 ☞	134491 ☞	134493 ☞
	G 1	25.0	10.0	0.2...10	1.85	134494 ☞	134495 ☞	134497 ☞
	G 1 1/4	32.0	20.0	0.2...10	2.60	134498 ☞	134499 ☞	134501 ☞
	G 1 1/2	40.0	20.0	0.2...10	3.05	134502 ☞	134503 ☞	134505 ☞
	G 2	50.0	40.0	0.2...10	5.15	134506 ☞	134507 ☞	134509 ☞
	G 2 1/2	65.0	40.0	0.2...10	5.90	134510 ☞	134511 ☞	134513 ☞
	Seal material EPDM, pressure range 0.2...10 bar							
	G 1/2	13.0	4.0	0.2...10	0.95	134458 ☞	134459 ☞	134461 ☞
	G 3/4	20.0	6.5	0.2...10	1.40	134462 ☞	134463 ☞	134465 ☞
	G 1	25.0	10.0	0.2...10	1.85	134466 ☞	134467 ☞	134469 ☞
	G 1 1/4	32.0	20.0	0.2...10	2.60	134470 ☞	134471 ☞	134473 ☞
	G 1 1/2	40.0	20.0	0.2...10	3.05	134474 ☞	134475 ☞	134477 ☞
	G 2	50.0	40.0	0.2...10	5.15	134478 ☞	134479 ☞	134481 ☞
	G 2 1/2	65.0	40.0	0.2...10	5.90	134482 ☞	134483 ☞	134485 ☞
CF A	Seal material NBR, pressure range 0.2...16 bar							
2/2-way solenoid valve Servo-controlled, with manual override Normally closed 	G 1/2	13.0	4.0	0.2...16	0.95	187421 ☞	254814 ☞	187422 ☞
	G 3/4	20.0	6.5	0.2...16	1.40	187423 ☞	237670 ☞	186719 ☞
	G 1	25.0	10.0	0.2...16	1.85	202683 ☞	246449 ☞	183126 ☞
	G 1 1/4	32.0	20.0	0.2...16	2.60	202684 ☞	o. r.	202680 ☞
	G 1 1/2	40.0	20.0	0.2...16	3.05	202685 ☞	209365 ☞	202681 ☞
	G 2	50.0	40.0	0.2...16	5.15	202686 ☞	318245 ☞	202682 ☞
CF B	Seal material NBR, pressure range 0.2...16 bar							
2/2-way solenoid valve Servo-controlled, with manual override Normally open 	G 1/2	13.0	4.0	0.2...16	0.95	184959 ☞	250917 ☞	184960 ☞
	G 3/4	20.0	6.5	0.2...16	1.40	189506 ☞	o. r.	189342 ☞
	G 1	25.0	10.0	0.2...16	1.85	183129 ☞	223653 ☞	183132 ☞
	G 1 1/4	32.0	20.0	0.2...16	2.60	242280 ☞	o. r.	242277 ☞
	G 1 1/2	40.0	20.0	0.2...16	3.05	207728 ☞	o. r.	214331 ☞
	G 2	50.0	40.0	0.2...16	5.15	242281 ☞	o. r.	242278 ☞

o. r. = on request

1.) Measurement at +20 °C, 1 bar²⁾ at the valve inlet and free outlet

2.) A pressure difference of 0.5 bar is required to open the full cross-section.

3.) Pressure data: overpressure to atmospheric pressure

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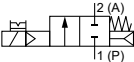
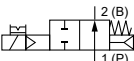
Type 5282



Standard version in brass with stainless steel flange body

Note:

Please note that the cable plug must be ordered separately, see "8.5. Ordering chart accessories" on page 18 or separate data sheet Type 2518 ▶.

Circuit function	Port connection	Orifice	K _v value water ^{1)2.)}	Pressure range ^{3.)}	Weight	Article no.	
		[mm]	[m³/h]	[bar]	[kg]	024/DC [V/Hz]	230/50...60 [V/Hz]
With flange connection acc. to DIN EN 1092 - 1 and manual override, without cable plug							
CF A		Seal material NBR, pressure range 0.2...10 bar					
2/2-way solenoid valve Servo-controlled, with manual override Normally closed	Flange	25.0	10.0	0.2...10	5.2	355263 	355266 
	Flange	32.0	20.0	0.2...10	6.7	355269 	o. r.
	Flange	40.0	20.0	0.2...10	7.4	355261 	355265 
	Flange	50.0	40.0	0.2...10	11.5	355264 	355259 
							
CF B							
2/2-way solenoid valve Servo-controlled, with manual override Normally open							
							

o. r. = on request

1.) Measurement at +20 °C; 1 bar ^{2.)} at the valve inlet and free outlet

2.) A pressure difference of 0.5 bar is required to open the full cross-section.

3.) Pressure data: overpressure to atmospheric pressure

DTS 1000011015 EN Version: U Status: RL (released | freigegeben | valide) printed: 22.01.2025

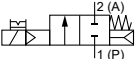
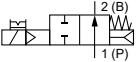
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Type 5282

Standard version with stainless steel body
Note:

Please note that the cable plug must be ordered separately, see "8.5. Ordering chart accessories" on page 18 or separate data sheet Type 2518 ▶

Circuit function	Port connection	Orifice	Flow coefficient water ¹⁾²⁾	Pressure range ³⁾	Weight	Article no.		
		[mm]	[m³/h]	[bar]	[kg]	024/DC	024/50...60	230/50...60
With threaded or flange connection and manual override, without cable plug								
CF A 2/2-way solenoid valve Servo-controlled, with manual override Normally closed 	Threaded connection, seal material NBR, pressure range 0.2...10 bar							
	G ½	13.0	4.0	0.2...10	0.91	281976	281979	281981
	G ¾	20.0	6.5	0.2...10	1.40	137142	137143	137145
	G 1	25.0	10.0	0.2...10	1.80	137146	137147	137149
	G 1¼	32.0	20.0	0.2...10	2.25	137150	137151	137153
	G 1½	40.0	20.0	0.2...10	2.70	137154	137155	137157
	G 2	50.0	40.0	0.2...10	4.80	137158	137159	137161
	Threaded connection, seal material FKM, pressure range 0.2...10 bar							
	G ½	13.0	4.0	0.2...10	0.91	220291	220292	220294
	G ¾	20.0	6.5	0.2...10	1.40	134518	134519	134521
CF B 2/2-way solenoid valve Servo-controlled, with manual override Normally open 	G 1	25.0	10.0	0.2...10	1.80	134522	134523	134525
	G 1¼	32.0	20.0	0.2...10	2.25	134526	134527	134529
	G 1½	40.0	20.0	0.2...10	2.70	134530	134531	134533
	G 2	50.0	40.0	0.2...10	4.80	134534	134535	134537
	Threaded connection, seal material EPDM, pressure range 0.2...10 bar							
	G ½	13.0	4.0	0.2...10	0.91	220297	220298	220300
	G ¾	20.0	6.5	0.2...10	1.40	145709	o. r.	141714
	G 1	25.0	10.0	0.2...10	1.80	141078	93909807	146160
	G 1¼	32.0	20.0	0.2...10	2.25	438559	o. r.	147803
	G 1½	40.0	20.0	0.2...10	2.70	141667	o. r.	139823
G 2	50.0	40.0	0.2...10	4.80	141075	o. r.	146530	
Flange connection according to DIN EN 1092 - 1, seal material FKM, pressure range 0.2...10 bar								
Flange	25.0	10.0	0.2...10	5.1	361400	361401	361403	
Flange	32.0	20.0	0.2...10	6.45	361404	361405	361406	
Flange	40.0	20.0	0.2...10	7.2	361407	361408	361409	
Flange	50.0	40.0	0.2...10	11.3	361410	361411	361412	
Flange connection according to DIN EN 1092 - 1, seal material EPDM, pressure range 0.2...10 bar								
Flange	25.0	10.0	0.2...10	5.1	371943	o. r.	368163	
Flange	32.0	20.0	0.2...10	6.45	o. r.	o. r.	367561	
Flange	40.0	20.0	0.2...10	7.2	o. r.	o. r.	o. r.	
Flange	50.0	40.0	0.2...10	11.3	361414	o. r.	367562	

o. r. = on request

1.) Measurement at + 20 °C, 1 bar²⁾ at the valve inlet and free outlet

2.) A pressure difference of 0.5 bar is required to open the full cross-section.

3.) Pressure data: overpressure to atmospheric pressure

Further versions on request			
	Additional With optical position indicator or electrical position feedback sensor as potential-free contact or Namur signal		 Pressure Pressure range up to 16 bar
	 Approval UL, UR, CSA, Hazardous Locations Expl. proof, Ex, KOSHA, NEPSI, CGA/AGA, FM Ex Div. 1 or 2, drinking water approval acc. to UBA assessment principles (PF36/PF39), impulse version		 Voltage Further voltages

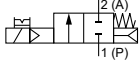
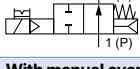
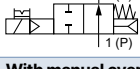
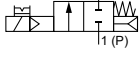
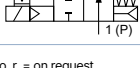
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Type 5282

Explosion-proof version
Note:

- Max. switching frequency 20/min at max. medium temperature 70 °C and max. ambient temperature 40 °C
- Max. switching frequency 5/min at max. medium temperature 90 °C and max. ambient temperature 55 °C

Circuit function	Port connection	Nominal diameter	Flow coefficient	Pressure range ³⁾	Weight	Article no.	
		[mm]	water ¹⁾²⁾	[bar]	[kg]	024 / AC/DC	230 / AC/DC
			[m³/h]			[V/Hz]	[V/Hz]
With manual override and terminal connection box							
CF A							
2/2-way solenoid valve							
Servo-controlled,							
with manual override							
Normally closed							
	G ½	13	4.0	0.5...10	1.1	355080 ☹	355093 ☹
	G ¾	20	6.5	0.5...10	1.5	355110 ☹	355098 ☹
	G 1	25	10.0	0.5...10	2.0	355096 ☹	355097 ☹
	G 1¼	32	20.0	0.5...10	2.7	o. r.	o. r.
	G 1½	40	20.0	0.5...10	3.2	355118 ☹	355088 ☹
	G 2	50	40.0	0.5...10	5.3	o. r.	o. r.
Stainless steel body with threaded connection, seal material FKM							
	G ½	13	4.0	0.5...10	1.0	355087 ☹	355103 ☹
	G ½	20	5.0	0.5...10	1.5	355081 ☹	355085 ☹
	G ¾	20	6.5	0.5...10	1.5	355089 ☹	355092 ☹
	G 1	25	10.0	0.5...10	1.9	355084 ☹	355102 ☹
	G 1¼	32	20.0	0.5...10	2.4	o. r.	355107 ☹
	G 1½	40	20.0	0.5...10	2.8	370934 ☹	355111 ☹
	G 2	50	40.0	0.5...10	4.9	o. r.	o. r.
With manual override and cable outlet, cable 3 m							
CF A							
2/2-way solenoid valve							
Servo-controlled,							
with manual override							
Normally closed							
	G ½	13	4.0	0.5...10	1.0	349632 ☹	349634 ☹
	G ¾	20	6.5	0.5...10	1.5	349647 ☹	349648 ☹
	G 1	25	10.0	0.5...10	1.9	349627 ☹	349637 ☹
	G 1¼	32	20.0	0.5...10	2.7	349644 ☹	349649 ☹
	G 1½	40	20.0	0.5...10	3.1	349651 ☹	349652 ☹
	G 2	50	40.0	0.5...10	5.2	349635 ☹	349650 ☹
	G 2½	65	40.0	0.5...10	6.0	357536 ☹	349653 ☹
CF B							
2/2-way solenoid valve							
Servo-controlled,							
with manual override							
Normally open							

o. r. = on request

 1.) Measurement at +20 °C, 1 bar²⁾ at the valve inlet and free outlet

2.) A pressure difference of 0.5 bar is required to open the full cross-section.

3.) Pressure data: overpressure to atmospheric pressure

Further versions on request	
 Material Seal material: NBR, FKM, EPDM	 Pressure Pressure range up to 16 bar
 Voltage 110/UC	

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Type 5282

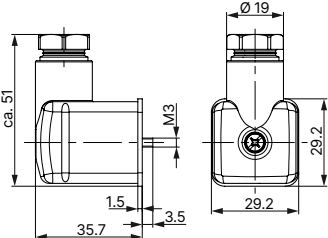


8.5. Ordering chart accessories

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

Note:

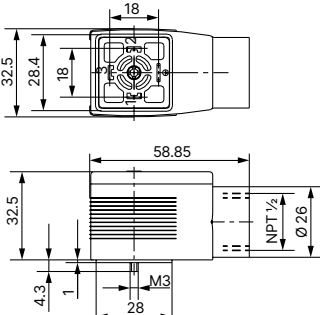
- Dimensions in mm
- For further versions see data sheet **Type 2518** ▶

Cable plug	Dimensions	Version	Voltage	Article no.
		Without circuitry (AC/DC)	0...250 V AC/DC	314802 𐀀
		With LED (AC/DC)	12...24 V AC/DC	314812 𐀀
		With LED and varistor (AC/DC)	12...24 V AC/DC	314820 𐀀
		With rectifier, LED and varistor	12...24 V AC/DC	314816 𐀀
		Without circuitry (AC/DC) with silicone seal for higher ambient temperature, e.g. steam version (NA07)	0...250 V AC/DC	361687 𐀀

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

Note:

- Dimensions in mm
- Without circuitry (standard)
- Refer to data sheet **Type 2509** ▶ for more information about the cable plug.

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

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.
- Refer to **"7.1. Cable glands for ATEX/IECEx terminal box"** on page 11 for more information about Ex cable glands.
- Refer to **"7.2. Special tool to turn the terminal box"** on page 12 for more information about Ex cable glands.

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

1.) Cable diameter

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

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