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ADD FURNACE CO.,LTD.

44 ซอยบรมราชชนนี 70 ถนนบรมราชชนนี แขวงศาลาธรรมสพน์ เขตทวีวัฒนา กรุงเทพฯ 10170

โทร: 02-888-3472 โทร: ออกแบบ:08-08-170-170 แฟกซ์: 02-888-3258

<https://www.add-furnace.com> E-mail: sales@add-furnace.com

DATA SHEET

Type 0256

bürkert
FLUID CONTROL SYSTEMS



Direct-acting 2/2 way solenoid valve

- Block screwed coil system
- Up to DN 12
- Brass or stainless steel valve body
- Wide range of applications



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

Can be combined with



Type 2518

Cable plug DIN EN 175301-803 - Plug form A



Type 1087

Timer

Type description

This direct-acting plunger solenoid valve Type 0256 can be used in many ways. It is delivered with brass or stainless steel bodies for a wide range of orifices and connections.



Type 0256

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Type 0256

1. General technical data

Product properties	
Dimensions	Detailed information can be found in chapter "4. Dimensions" on page 5.
Material	
Seal	NBR, FKM, others on request
Body	Brass (Body C with stainless steel seat 1.4112, except NBR version) or stainless steel 1.4581
Performance data	
Pressure valves	Gauge pressures with respect to the prevailing atmosphere pressure
K _v value water	Measured at + 20 °C, 1 bar pressure at valve inlet and free outlet
Switching time^{1.)}	
Opening	Pressure build-up 0 to 90 %
Closing	Pressure decay 100 to 10 %
Electrical data	
Duty cycle	100 % continuous rating
Voltage tolerance	± 10 %
Medium data	
Operating medium	
NBR	Neutral media, compressed air, water, oil
FKM	Hot air, hot oils, oils with additives
All materials	Technical vacuum
Medium temperature	
NBR (EPDM on request)	-10 °C...+80 °C
FKM	-10 °C...+130 °C
Viscosity (max.)	21 mm ² /s
Process/Port connection & communication	
Electrical connection	Cable plug for Ø 7 mm cable (supplied as standard) ^{2.)}
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

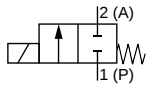
1.) Measured with water at valve outlet at 6 bar and + 20 °C

2.) Cable plug Type 2518 (supplied as standard) acc. to DIN EN 175 301 - 803, form A



Type 0256

2. Circuit functions

Circuit functions	Description
	Type: A, solenoid valve 2/2 way Direct-acting Normally closed

3. Materials

3.1. Chemical Resistance Chart – Bürkert resistApp

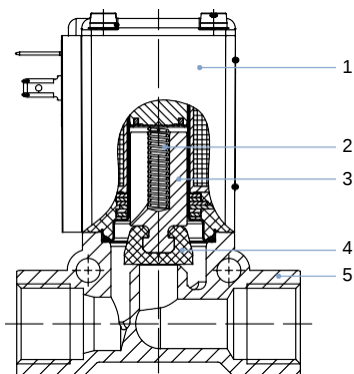


Bürkert resistApp – Chemical Resistance Chart

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



No.	Element	Material
1	Coil	Epoxy
2	Spring	Stainless steel 1.4310
3	Core	Stainless steel 1.4105
4	Seal	NBR/FKM (EPDM on request)
5	Body	Brass, stainless steel 1.4581

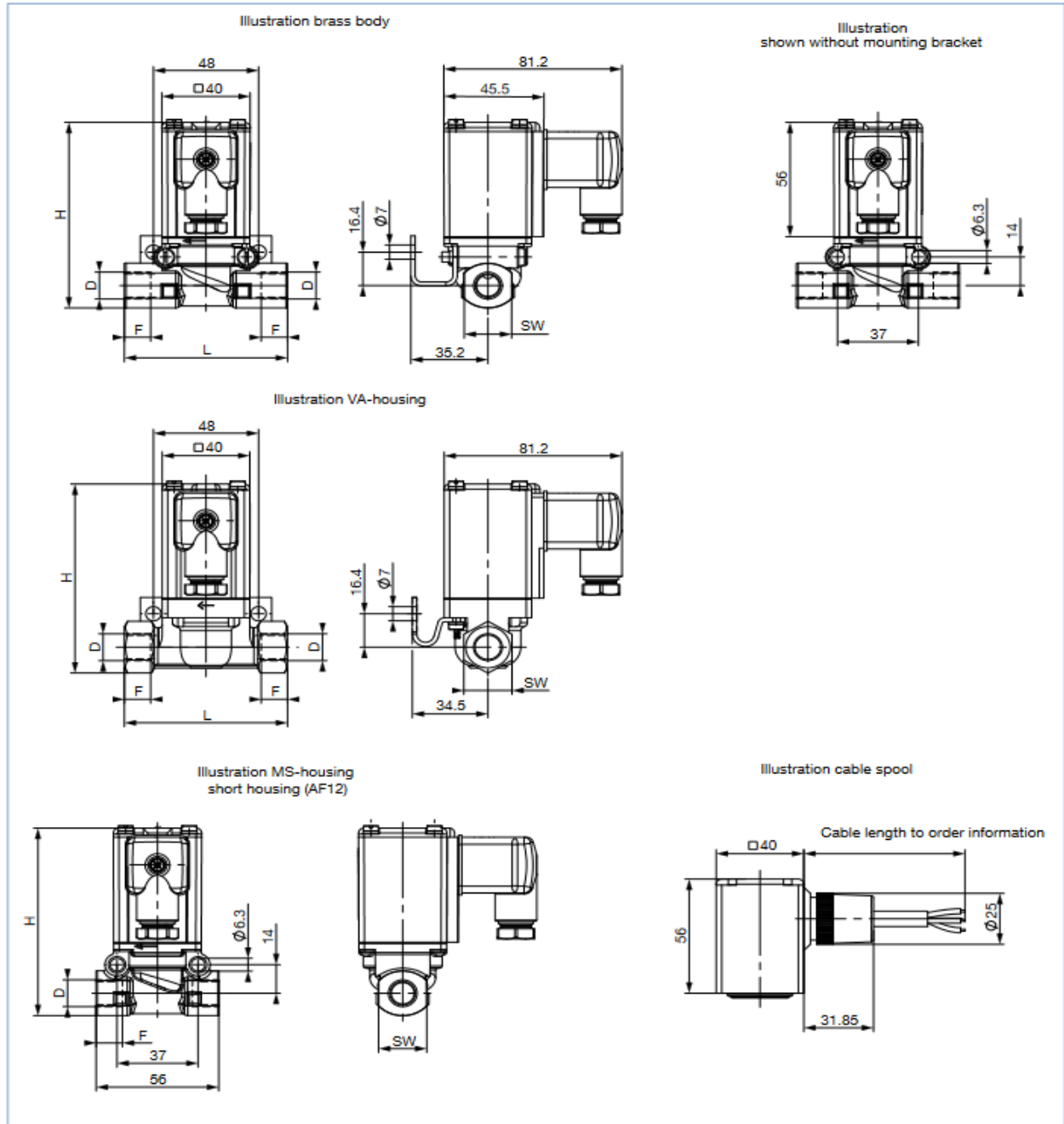


Type 0256

4. Dimensions

Note:

Dimensions in mm



Body material	Connection D	F [mm]	H [mm]	L [mm]	SW [mm]
Brass	G ¼	12	91	74.5	22
Brass	G ⅜	12	91	74.5	22
Brass	G ½	14	94	74.5	27



Body material	Connection D	F	H	L	SW
		[mm]	[mm]	[mm]	[mm]
Stainless steel	G ¼	12	92	74.5	22
Stainless steel	G ½	14	95.6	74.5	27
Brass	G ¼	12	92	56	22
Brass	G ¾	12	92	56	22

5. Ordering information

5.1. 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](#)

5.2. 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](#)



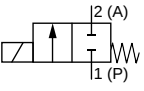
Type 0256

5.3. Ordering chart

Note:

- A cable plug is included in the delivery.
- The mounting bracket is included in the delivery for versions with VAR KC74.
- The mounting bracket can be ordered separately (see “5.4. Ordering chart accessories” on page 9).
- Body C with stainless steel seat 1.4112, except NBR version

Brass body AF12 - 56 mm

Circuit function	Port connection	Orifice [mm]	K _v value water ^{1.)} [m ³ /h]	Pressure range ^{2.)}			Article no. per voltage/frequency [V/Hz]			
				DC	AC					
				for gases and liquids [bar]	for gases [bar]	for liquids [bar]				
							024/DC	024/50	110/50	230/50
A, solenoid valve 2/2 way Direct-acting Normally closed 	Seal material NBR									
	G ¼	3	0.25	0...10	0...22	0...22	145725	045819	–	145803
		4	0.5	0...6	0...16	0...12	145727	145728	145730	145731
		5	0.65	0...2.5	0...12	0...6	145747	145748	145749	145750
		6	0.8	0...2	0...8	0...4	145759	145761	–	145764
	G ⅜	3	0.25	0...10	0...22	0...22	–	–	–	–
		4	0.5	0...6	0...16	0...12	145733	145734	145735	145736
		5	0.65	0...2.5	0...12	0...6	145752	145753	–	145755
		6	0.8	0...2	0...8	0...4	145766	145767	145768	145769
		8	0.9	0...0.5	0...2.5	0...1.5	145778	145779	145780	145781
	Seal material FKM									
	G ¼	3	0.25	0...10	0...22	0...22	047627	–	–	–
		4	0.5	0...6	0...16	0...12	044092	041014	–	056970
		5	0.65	0...2.5	0...12	0...6	066997	–	–	041694
		6	0.8	0...2	0...8	0...4	052431	145774	–	057189
	G ⅜	3	0.25	0...10	0...22	0...22	151023	–	–	056772
		4	0.5	0...6	0...16	0...12	145739	–	–	145740
		5	0.65	0...2.5	0...12	0...6	054157	042514	–	040942
		6	0.8	0...2	0...8	0...4	056636	145775	045873	056544
		8	0.9	0...0.5	0...2.5	0...1.5	043389	–	–	145783

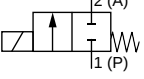
1.) Measured at + 20 °C, 1 bar pressure at valve inlet and free outlet

2.) Overpressure with respect to atmospheric pressure (the pressure rates for liquids are specified on the type plate)



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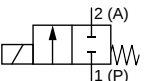
Brass body 74 mm

Circuit function	Port connection	Orifice [mm]	K _v value water ^{1.)} [m³/h]	Pressure range ^{2.)}			Article no. per voltage/frequency [V/Hz]			
				DC	AC					
				for gases and liquids	for gases	for liquids				
				[bar]	[bar]	[bar]	024/DC	024/50	110/50	230/50
A, solenoid valve 2/2 way Direct-acting Normally closed 	Seal material NBR									
	G ¼	4	0.5	0...6	0...16	0...12	055418	145729	–	054569
		6	0.8	0...2	0...8	0...4	145760	054924	054729	145763
	G ¾	6	0.8	0...2	0...8	0...4	055963	053680	–	054360
		10	1.5	0...0.4	0...1.5	0...1	145784	145805	040521	145786
	G ½	6	0.8	0...2	0...8	0...4	145771	057212	065499	145772
		8	0.9	0...0.5	0...2.5	0...1.5	040532	043220	065361	056421
		10	1.5	0...0.4	0...1.5	0...1	145788	145789	145790	120133
		12	1.8	0...0.1	0...1	0...0.5	145796	145797	–	145799
	Seal material FKM									
	G ¼	4	0.5	0...6	0...16	0...12	056010	–	–	145738
		6	0.8	0...2	0...8	0...4	043084	–	085459	054484
	G ¾	6	0.8	0...2	0...8	0...4	–	–	–	145804
		10	1.5	0...0.4	0...1.5	0...1	054672	058912	–	054673
	G ½	6	0.8	0...2	0...8	0...4	145776	051894	054696	055163
		8	0.9	0...0.5	0...2.5	0...1.5	058779	064865	–	045502
		10	1.5	0...0.4	0...1.5	0...1	145806	145792	–	054983
		12	1.8	0...0.1	0...1	0...0.5	057676	241863	–	145801

1.) Measured at + 20 °C, 1 bar pressure at valve inlet and free outlet

2.) Overpressure with respect to atmospheric pressure (the pressure rates for liquids are specified on the type plate)

Stainless steel body 74 mm

Circuit function	Port connection	Orifice [mm]	K _v value water ^{1.)} [m³/h]	Pressure range ^{2.)}			Article no. per voltage/frequency [V/Hz]			
				DC	AC					
				for gases and liquids	for gases	for liquids				
				[bar]	[bar]	[bar]	024/DC	024/50	110/50	230/50
A, solenoid valve 2/2 way Direct-acting Normally closed 	Seal material NBR									
	G ¼	3	0.25	0...10	0...22	0...22	313500	–	–	–
		4	0.5	0...6	0...16	0...12	024477	079293	120222	043678
		6	0.8	0...2	0...8	0...4	–	087486	–	–
	G ½	6	0.8	0...2	0...8	0...4	051592	–	–	049949
		10	1.5	0...0.4	0...1.5	0...1	049824	–	–	046026
		12	1.8	0...0.1	0...1	0...0.5	087647	–	–	044823
	Seal material FKM									
	G ¼	4	0.5	0...6	0...16	0...12	145742	126470	–	087901
		6	0.8	0...2	0...8	0...4	050518	066200	–	025056
	G ½	6	0.8	0...2	0...8	0...4	062494	046313	–	048700
		8	0.9	0...0.5	0...2.5	0...1.5	052594	–	–	048318
		10	1.5	0...0.4	0...1.5	0...1	063671	145793	023942	048699
		12	1.8	0...0.1	0...1	0...0.5	179410	054103	059267	145802

1.) Measured at + 20 °C, 1 bar pressure at valve inlet and free outlet

2.) Overpressure with respect to atmospheric pressure (the pressure rates for liquids are specified on the type plate)



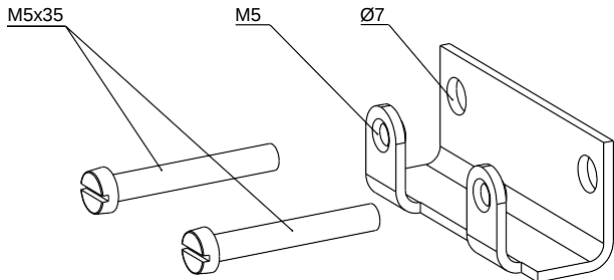
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5.4. Ordering chart accessories

Mounting set brass body

Note:

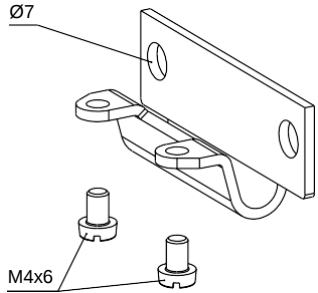
- Included in delivery are a mounting clamp and 2 cylinder screws M5 × 35.
- Only for brass body versions
- 37 mm separation between the M5 threaded holes
- 48 mm separation between the Ø 7 bores
- Valve mounting with mounting set see [“4. Dimensions” on page 5](#)

Description	Article no.
	151287

Mounting set stainless steel body

Note:

- Included in delivery are a mounting clamp and 2 cylinder screws M4 × 6.
- Only for stainless steel versions
- 29 mm separation between the M4 threaded holes
- 48 mm separation between the Ø 7 bores
- Valve mounting with mounting set see [“4. Dimensions” on page 5](#)

Description	Article no.
	260250



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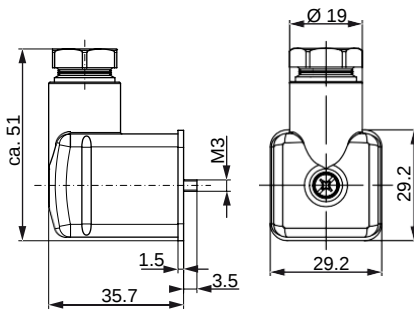
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Type 0256

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

Note:

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

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

Note:

For more information on the timer, see data sheet **Type 1087** .

Timer	Approval	Product code	Voltage range	Article no.
	–	1087-A-BCH-UC - 28	10...30 V AC/DC	348828
	–	1087-A-BDK-UC - 28	24...240 V AC/DC	348829
	cURus	1087-A-BCH-UC- 28*PU01	10...30 V AC/DC	348906
	cURus	1087-A-BDK-UC- 28*PU01	24...240 V AC/DC	348907
	–	1087-A-BFW-UC - 29	10...48 V AC/DC	348830
	–	1087-A-BDX-UC - 29	110...240 V AC/DC	348831
	cURus	1087-A-BFW-UC- 29*PU01	10...48 V AC/DC	348908
	cURus	1087-A-BDX-UC- 29*PU01	110...240 V AC/DC	348909

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