






## Direct-acting 2/2 or 3/2-way pivoted armature valve

- Direct-acting, media-separated valve up to DN 5
- Maintenance-free pivoted armature technology
- Vibration-proof, block screwed solenoid system
- Service-friendly, robust manual override
- Explosion-proof variants

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

### Can be combined with

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

### Type description

The 0330 valve is a direct-acting, media-separated pivoted armature valve. It is available as a 2/2 and 3/2-way variant. As a 3/2-way variant, it can be used as a distributor or mixing valve. Various diaphragm materials and circuit functions are available depending on the actual application. Brass, stainless steel and polypropylene bodies are offered. The solenoid coils are moulded with a chemically resistant epoxy. Since the coil system is separated from the medium by a diaphragm, the valve is especially suitable for critical media such as aggressive acids and lyes. The 0330 is equipped with manual override for start-up and testing. To reduce energy demands, all the coils can be delivered with electronic power reduction or as an impulse variant. The switching status can be indicated via position feedback as a binary or NAMUR signal.

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## 1. General technical data

Product properties	
Dimensions	Detailed information can be found in chapter "4. Dimensions" on page 6.
<b>Material</b>	
Seal	EPDM / FKM / FFKM / NBR
Body	Brass Stainless steel (1.4401) PP (Polypropylene) PVDF (on request)
Material resistance	More detailed information can be found in our resistance table, "3.1. Chemical Resistance Chart – Bürkert resistApp" on page 5.
<b>Weight</b>	
Standard version	Metal body: 0.45 kg Plastic body: 0.30 kg
Explosion-proof version	Metal body: 0.75 kg Plastic body: 0.60 kg
Orifice	DN 2...DN 5
Circuit function	Detailed information can be found in chapter "2. Circuit functions" on page 4.
Thermal insulation class of solenoid coil	H
Performance data	
<b>Duty cycle</b>	
With brass and stainless steel	100 %
With PP and PVDF	40 % duty cycle (60 % intermittent operation) in 30 min for 8 W version 100 % duty cycle for 5 W version
Switching frequency (explosion-proof version)	Medium temperature up to +70 °C: 20/min Medium temperature up to +90 °C: 5/min
<b>Switching time<sup>1)</sup> standard version</b>	
Frequency AC	Opening: 8...15 ms Closing: 8...15 ms
Frequency DC	Opening: 10...20 ms Closing: 10...20 ms
<b>Switching time<sup>1)</sup> explosion-proof version</b>	
Orifice 2...4	Opening: 30 ms Closing: 40 ms
Electrical data	
<b>Power consumption standard</b>	
Frequency AC	Inrush: 30 VA Hold: 15 VA Hold: 8 W
Frequency DC	Cold: 11 W Warm: 8 W
<b>Power consumption Impulse (inrush winding)</b>	
Frequency AC	Hold: 20 VA Hold: 11 W
Frequency DC	Cold: 11 W Warm: 8 W
<b>Power consumption explosion-proof version</b>	
Frequency AC/DC	Inrush: 40 W Hold: 3 W
<b>Voltage</b>	
Standard version	24 V 50 Hz, 110 V 50 Hz, 230 V 50 Hz, 120 V 60 Hz, 240 V 60 Hz, 12 V DC, 24 V DC (further voltages on request)
Explosion-proof version	24 V, 230 V (further voltages on request)
Voltage tolerance	± 10 %

**Medium data****Operating medium**

With NBR	Neutral medium such as compressed air, town gas, water, hydraulic oil, oils and fats without additives, oxygen
With EPDM	Alkalis, acids to medium concentrations, alkaline washing and bleaching lyes
With FKM	Oxydizing acids and substances, hot oils with additives, salt solutions, waste gases, oxygen
With FFKM	Aggressive mediums, hot air, hot oils

**Medium temperature**

With body material brass or stainless steel	NBR: 0 °C...+80 °C
	EPDM: -30 °C...+90 °C
	FKM: 0 °C...+90 °C
	FFKM: +5 °C...+90 °C
With body material PP	NBR: 0 °C...+80 °C
	EPDM: -30 °C...+80 °C
	FKM: 0 °C...+80 °C
	FFKM: +5 °C...+80 °C

Viscosity	Max. 37 mm <sup>2</sup> /s
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**Process/Port connection & communication****Electrical connection**

Standard version	Pin terminal acc. to DIN EN 175301 - 803 form A for cable pug Type 2518/2509 (also on request with moulded cable)
Explosion-proof version	Moulded cable (for more detailed information, refer to the operating manual ACP016), terminal box without safety fuse
Port connection	G ¼, NPT ¼, (RC ¼ and G ½ on request, G ½ not possible for PP)

**Approvals and certificates****Standard version**

Degree of protection	IP65 with cable plug
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**Explosion-proof version**

Degree of protection	IP65
Type of protection	II 2 G Ex mb IIC T4 Gb II 2 D EX mb IIIC T130° Db
Certificate	EPS 16 ATEX 1 111 X IECEX EPS 16.0049X

**Environment and installation**

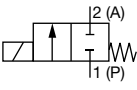
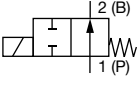
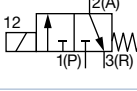
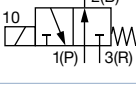
Installation position	As required, preferably with actuator upright
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**Ambient temperature**

Standard version	Max. +55 °C
Explosion-proof version	Max. +55 °C

1.) Measurement at 6 bar and +20 °C at the valve outlet, opening: pressure build-up 0...90 %, closing: pressure reduction 100...10 %

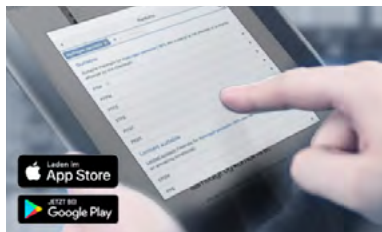
**2. Circuit functions**

Symbol	Description
	<b>Circuit function A (CF A)</b> 2/2-way solenoid valve Direct-acting Normally closed
	<b>Circuit function B (CF B)</b> 2/2-way solenoid valve Direct-acting Normally open
	<b>Circuit function C (CF C)</b> 3/2-way solenoid valve Direct-acting Normally closed
	<b>Circuit function D (CF D)</b> 3/2-way solenoid valve Direct-acting Normally open

Symbol	Description
	<b>Circuit function E (CF E)</b> 3/2-way mixing valve (solenoid valve)
	<b>Circuit function F (CF F)</b> 3/2-way distribution valve (solenoid valve) Direct-acting
	<b>Circuit function T (CF T)</b> 3/2-way solenoid valve Direct-acting Flow direction optional Normally closed

### 3. Materials

#### 3.1. Chemical Resistance Chart – Bürkert resistApp

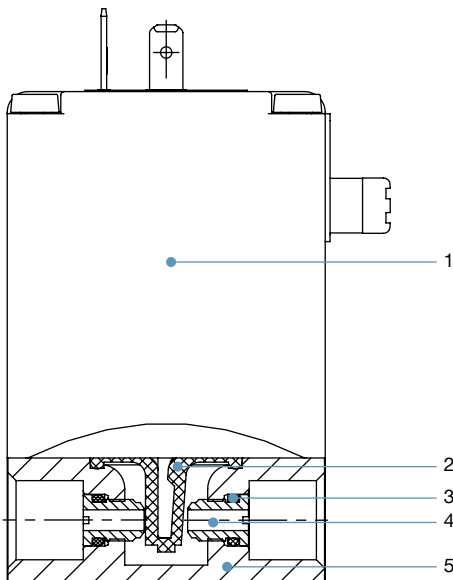


#### Bürkert resistApp – Chemical Resistance Chart

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	Diaphragm	EPDM, FKM, FFKM, NBR
3	O-ring	EPDM, FKM, FFKM, NBR
4	Seat	Brass Stainless steel (1.4401) PP (Polypropylene)
5	Valve body	Brass Stainless steel (1.4401) PP (Polypropylene)

## 4. Dimensions

### 4.1. Standard version

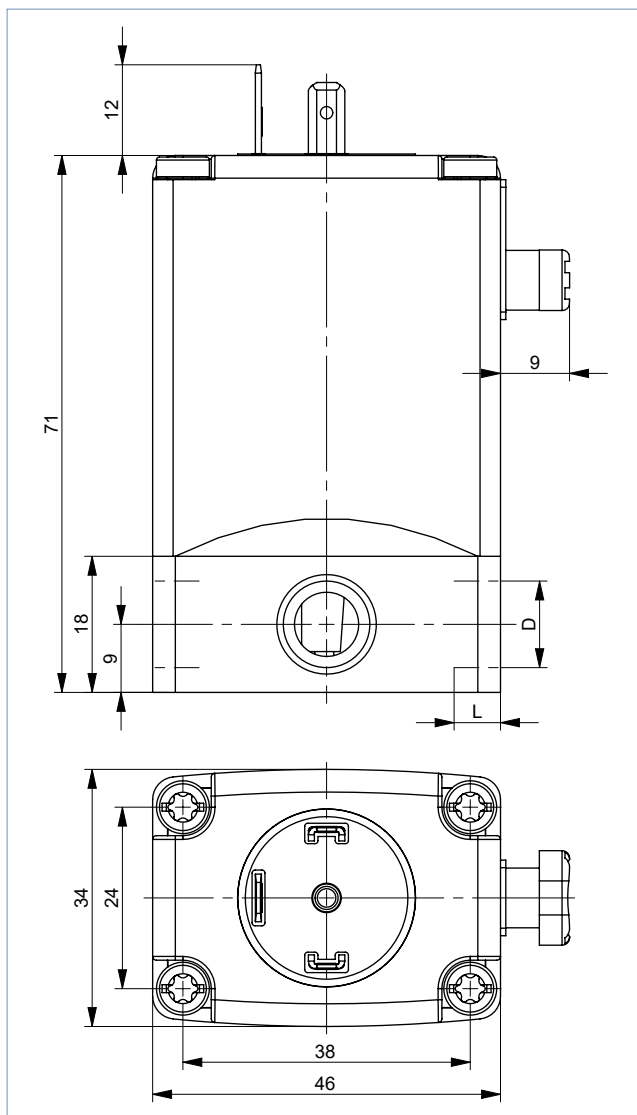
**General notes:**

- The dimensions D1 and L1 apply to G-threads
- The dimensions D2 and L2 apply to NPT-threads
- The device can be attached via the existing holes on the bottom side. The hole pattern is 38x24. For metal bodies, use M4 screws. For plastic housings, use either self-tapping screws (4x14 for PVDF, 4x10 for PP) or a housing with metric thread inserts (variable codes ACxx or ADxx). The screw-in depth must be observed.
- The dimensions of the cable plug Type 2518 can be found in chapter “8.4. Ordering chart accessories” on page 19.

**Metal housing**

**Note:**

- Dimensions in mm
- For metal housings, the minimum thread length at the middle connection is 7.5 mm.
- Screw-in depth of G ¼ connection threads: When using pipe fittings, select versions with G ½, as the screw-in depth with G ¼ is not sufficient.
- See the general notes at the beginning of chapter “4.1. Standard version” on page 6.

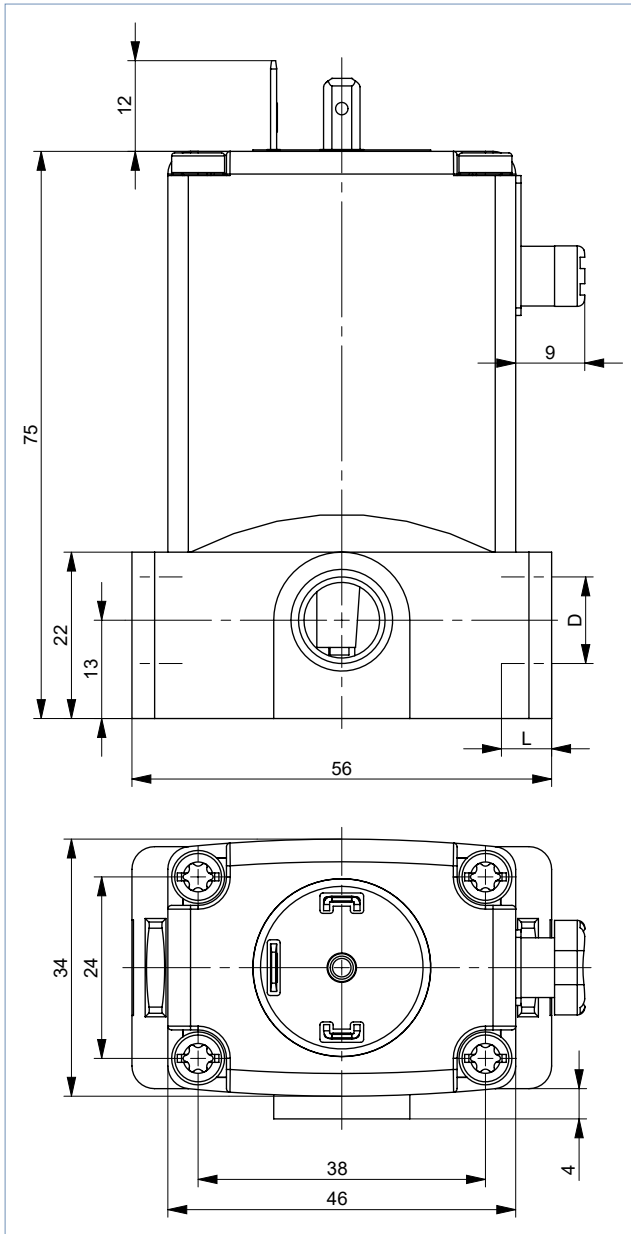


D1	L1	D2	L2
G ½	9	–	–
G ¼	9	NPT ¼	7.5

Plastic housing

Note:

- Dimensions in mm
- See the general notes at the beginning of chapter "4.1. Standard version" on page 6.

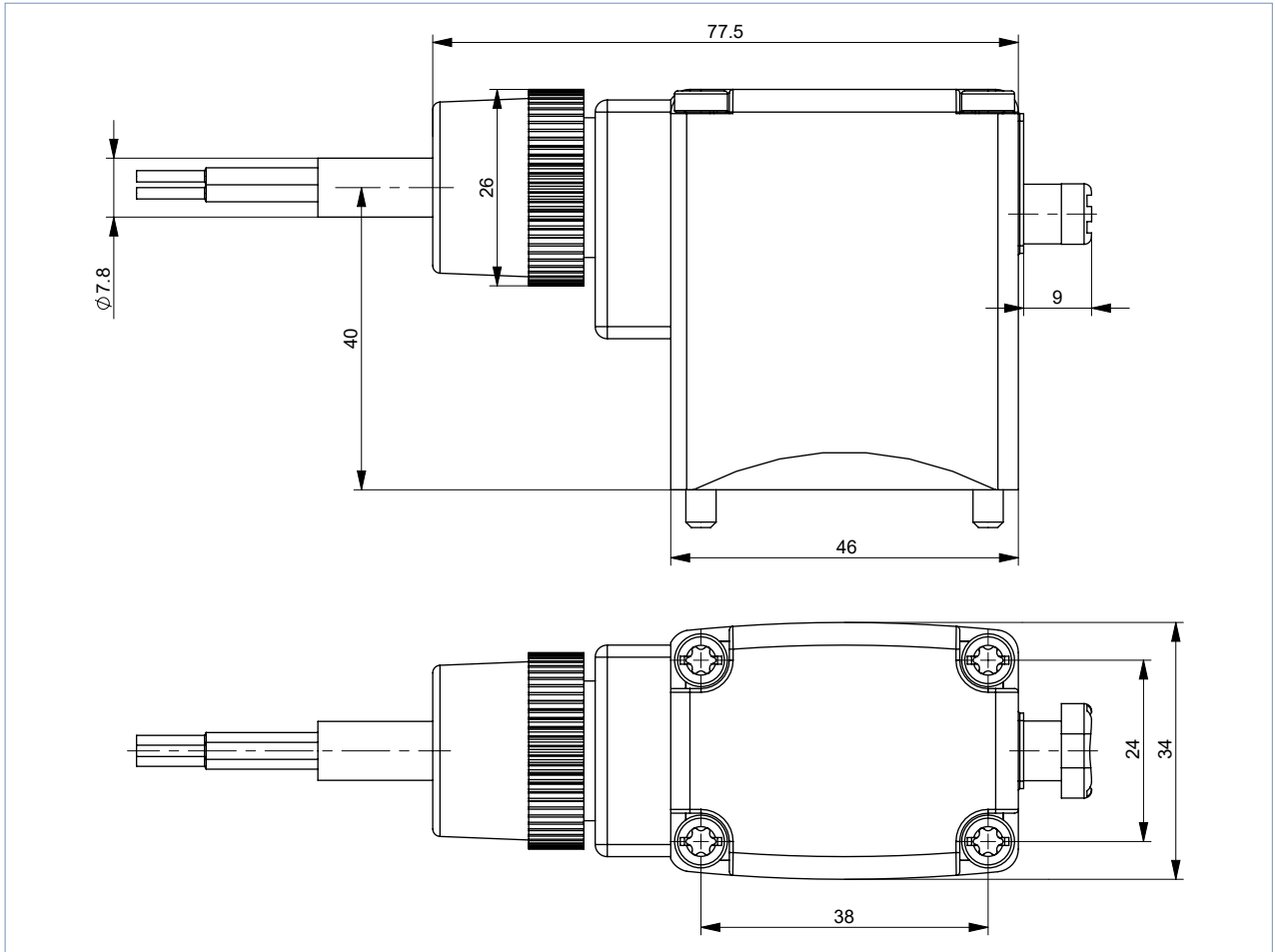


D	L
G 1/4	12
NPT 1/4	11

## Cable version

## Note:

- Dimensions in mm
- See the general notes at the beginning of chapter "4.1. Standard version" on page 6.



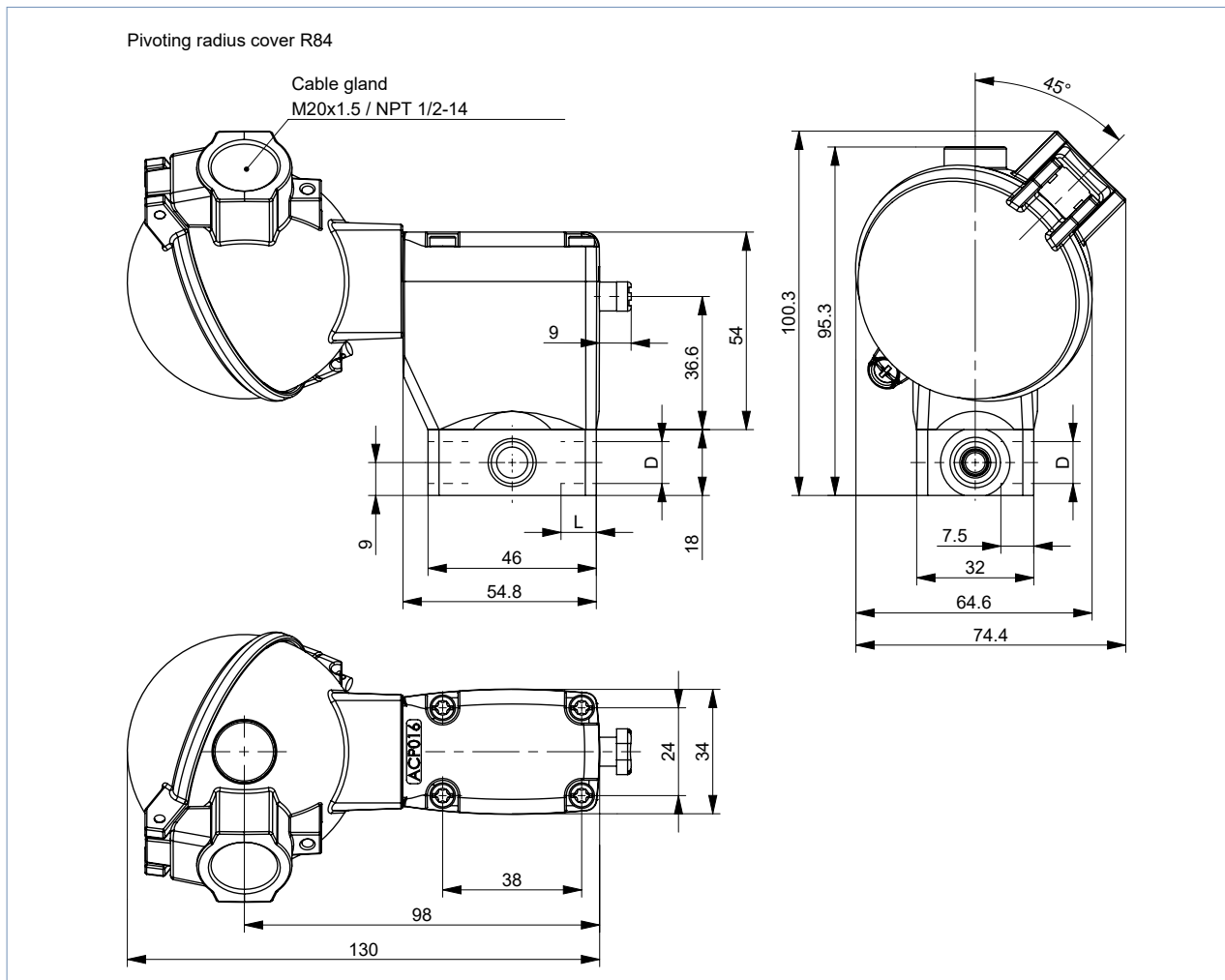


## 4.2. Explosion-proof version

### Terminal box version

**Note:**

- Dimensions in mm
- The dimensions D1 and L1 apply to G-threads
- The dimensions D2 and L2 apply to NPT-threads

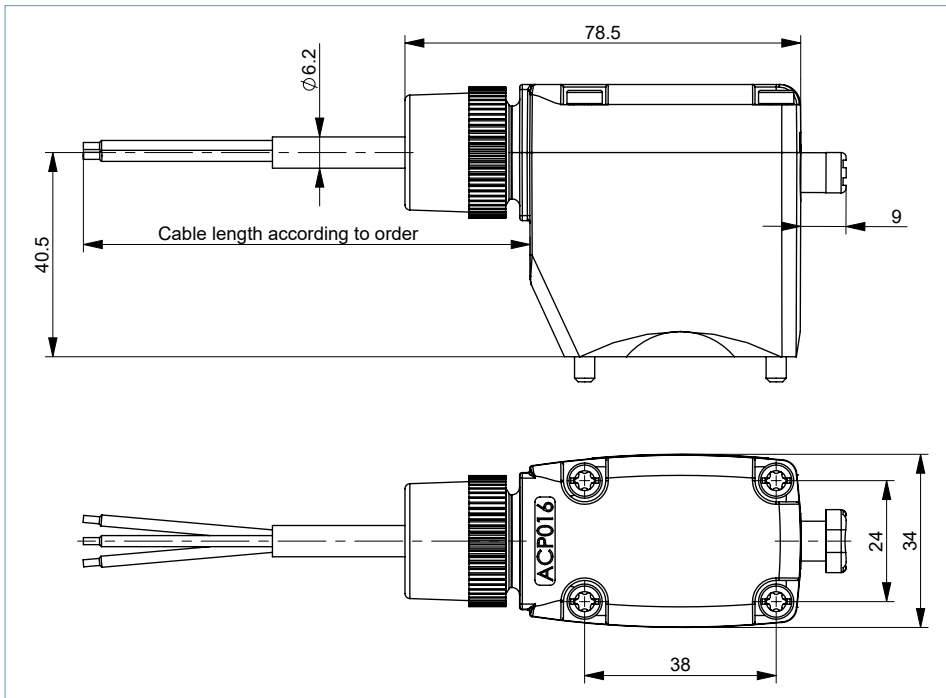


D1	L1	D2	L2
G 1/8	9	-	-
G 1/4	9	NPT 1/4	7.5

Cable version

Note:

Dimensions in mm



## 5. Device/Process connections

### 5.1. Pin assignment standard version

**Note:**

The pin assignment (marked No. 1, 2 and 3 in the drawing) depends on the circuit function. In the table, compare the respective pin assignment with the corresponding circuit function.

Circuit function	Connection 1	Connection 2	Connection 3	2-way	3-way
A	P	A	-		
B	B	P	-		
C	P	A	R		
D	R	B	P		
E	P1	A	P2		
F	A	P	B		
T	NC	I <sub>N</sub> /OUT	NO		

### 5.2. Pin assignment explosion-proof version

**Note:**

The pin assignment (marked No. 1, 2 and 3 in the drawing) depends on the circuit function. In the table, compare the respective pin assignment with the corresponding circuit function.

Circuit function	Connec-tion 1	Connec-tion 2	Connec-tion 3	2-way	3-way
A	P	A	-		
B	B	P	-		
C	P	A	R		
D	R	B	P		
E	P1	A	P2		
F	A	P	B		
T	NC	I <sub>N</sub> /OUT	NO		

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## 6. Performance specifications

### 6.1. Pressure range and flow rate

#### Standard version

##### Note:

Refer to ["Use in other circuit functions"](#) on page 13 for more information about use in other circuit function.

Circuit function	DN	K <sub>v</sub> value water <sup>1.)</sup>		Pressure range <sup>2.)</sup>		
		DC	AC (50 or 60 Hz)	Standard <sup>3.)</sup>	Vacuum <sup>4.)</sup>	Impulse <sup>5.)</sup>
		[m <sup>3</sup> /h]	[m <sup>3</sup> /h]	[bar]	[bar]	[bar]
<b>Metal body</b>						
A / B / C / D / F	2.0	0.08	0.11	0...16 <sup>6.)</sup>	-0.98...10	0...16 <sup>6.)</sup>
	3.0	0.14	0.18	0...10	-0.98...6	0...10
	4.0	0.17	0.23	0...5	-0.98...3	0...5
	5.0	0.29	0.29	0...2.5	-0.98...1	0...2.5
E	2.0	0.08	0.11	0...10	-0.98...8	0...10
	3.0	0.14	0.18	0...6	-0.98...5	0...6
	4.0	0.17	0.23	0...3	-0.98...2.5	0...3
	5.0	0.29	0.29	0...1.5	-0.98...1	0...1
T	2.0	0.08	0.11	0...12	-0.98...8	0...10
	3.0	0.14	0.18	0...8	-0.98...5	0...6
	4.0	0.17	0.23	0...4	-0.98...2.5	0...5
	5.0	0.29	0.29	0...2.5	-0.98...1	-

Circuit function	DN	K <sub>v</sub> value water <sup>7.)</sup>	Pressure range <sup>2.)</sup>			
			Standard <sup>3.)</sup> AC [50 or 60 Hz]	Standard <sup>3.)</sup> DC	Vacuum <sup>4.)</sup>	Impulse <sup>5.)</sup>
			[m <sup>3</sup> /h]	[bar]	[bar]	[bar]
<b>Plastic body</b>						
A / B / C / D / F	2.0	0.13	0...16 <sup>6.) 8.)</sup>	0...12 <sup>8.)</sup>	-0.98...10	0...12 <sup>8.)</sup>
	3.0	0.25	0...10	0...8	-0.98...6	0...8
	4.0	0.30	0...5	0...4	-0.98...3	0...4
	5.0	0.40	0...4.5	0...3	-0.98...1	0...3
E / T	2.0	0.13	0...10	0...7	-0.98...7	0...7
	3.0	0.25	0...6	0...4	-0.98...5	0...4
	4.0	0.30	0...3	0...2	-0.98...2.5	0...2
	5.0	0.40	0...2	0...1	-0.98...0.5	0...1

1.) For frequency 56, the K<sub>v</sub> values of the DC version apply

2.) Pressure data: Measured as overpressure to the atmospheric pressure (deviating pressure range for 5 W version)

3.) Heat output 8 W

4.) Vacuum possible for all seal materials

5.) Starting power 11 W

6.) For seal material FKM and FFKM the max. medium pressure is 12 bar

7.) At frequency DC the K<sub>v</sub> value is reduced till 10 % to fulfil the function

8.) For material PVDF industry grade the maximum operating pressure is 10 bar

**Explosion-proof version**

**Note:**

Refer to **“Use in other circuit functions” on page 13** for more information about use in other circuit function.

Circuit function	DN	K <sub>v</sub> value water [m <sup>3</sup> /h]	Pressure range <sup>1.) 2.)</sup>	
			Standard	Vacuum
			[bar]	[bar]
<b>Metal body</b>				
A / B / C / D / F	2.0	0.11	0...16	-0.98...10
	3.0	0.18	0...10	-0.98...6
	4.0	0.23	0...5	-0.98...3
	5.0	0.29	0...4	-0.98...2.5
E	2.0	0.11	0...10	-0.98...8
	3.0	0.18	0...6	-0.98...5
	4.0	0.23	0...3.5	-0.98...2.5
	5.0	0.29	0...3	-0.98...2
T	2.0	0.11	0...10	-0.98...8
	3.0	0.18	0...6	-0.98...5

1.) Devices with FKM or FFKM diaphragm are reduced to a max. pressure of 12 bar.

2.) Pressure data: Measured as overpressure to the atmospheric pressure

Circuit function	DN	K <sub>v</sub> value water [m <sup>3</sup> /h]	Pressure range <sup>1.) 2.)</sup>	
			Standard	Vacuum
			[bar]	[bar]
<b>Plastic body</b>				
A / B / C / D / F	2.0	0.13	0...16 <sup>3.)</sup>	-0.98...10
	3.0	0.25	0...10	-0.98...6
	4.0	0.30	0...5	-0.98...3
	5.0	0.40	0...4.5	-0.98...1
E / T	2.0	0.13	0...10	-0.98...7
	3.0	0.25	0...6	-0.98...5
	4.0	0.30	0...3	-0.98...2.5

1.) Devices with FKM or FFKM diaphragm are reduced to a max. pressure of 12 bar.

2.) Pressure data: Measured as overpressure to the atmospheric pressure

3.) For material PVDF industry grade the maximum operating pressure is 10 bar

**Use in other circuit functions**

The compression springs installed in the valves differ depending on the circuit function. When used in other circuit functions, the permissible operating pressure changes according to the following table.

**Note:**

The following table applies to both the standard version and the explosion-proof version.

Circuit function	Max. operating pressure [bar] when using the valve in a new circuit function																	
	Orifice DN 2						Orifice DN 3						Orifice DN 4					
	A <sup>1.)</sup>	B <sup>1.)</sup>	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
<b>Metal body (8 W respectively 11 W)</b>																		
C	16	1.5	16	1.5	1.5	16	10	1	10	1	1	10	5	0.8	5	0.8	0.8	5
D	4	16	4.5	16	4	4	2.5	10	2.5	10	2	3	2	5	2	5	2	2
T	8	8	10	10	10	8	6	6	6	6	6	6	3	3	3	3	3	3
<b>Plastic body (8 W respectively 11 W)</b>																		
C	16	1.5	16	1.5	1.5	16	10	1	10	1	1	10	5	0.8	5	0.8	0.8	5
D	4	16	4.5	16	4	4	2.5	10	2.5	10	2	3	2	5	2	5	2	2
F	16	1.5	10	1.5	1.5	16	6	1	6	1	1	10	4	1	4	1	1	5

1.) For circuit function A and B the valve must be connected acc. to the pin assignment of 3/2-way valve.

## 7. Product accessories

### 7.1. Accessories standard version

Option	Variable Code	Description
Impulse version	CF02	Bistable magnetic system with inrush and drop-off coil; continuous operation or operation with short current pulses (min. 150 ms) possible
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	PCxx	Standard units are tested at $10^{-2}$ mbar x l/sec; feasible up to $10^{-6}$ mbar
Electrical feedback	LF02/ LF03	See <b>Type 1060</b> ▶. Function as opener, closer or toggle switch depending on the connection (no IP65 achievable)
High-power electronics	CZ05	Inrush power 60 W, nominal holding current 3 W; with plastic versions 100 % duty cycle is now feasible
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
Coil with reduced power (5 W)	–	Devices have lower pressure range; with plastic versions 100 % duty cycle is now feasible
Cable plug	JHxx/ JGxx/ JFxx	Cable plug is part of the delivery. Cable plug versions (acc. to DIN EN 175301 - 803 form A), see datasheet <b>Type 2518</b> ▶ and <b>Type 2509</b> ▶
Approvals	PD01	CSA General Purpose valve
	PD02	UR (UL-recognized)/CSA approval
	PD07	DNV-GL (formerly Germanischer Lloyd)
	PR05	cFMus approved coil Class I, Division 1, Groups A, B, C and D - T4 Class II, Division 1, Groups E, F and G - T4 Class III, Division 1 - T4 Class I, Zone 1, AEx mb IIC T4 Gb, Zone 21 AEx mb IIIC T130 C Db Ex mb IIC T4 Gb; Ex mb IIIC T130 C Db
	PE95	UL (UL-listed) approval
	PU15	UL listed for Hazardous Locations for USA and Canada, Class I, Zone 1, AEx eb mb IIC T4; Zone 21, AEx mb tb IIIC T130 °C / Class I, Div 2, Group A,B,C,D; Class II+III, Div 2, Group F,G
PX41	EPS 16 ATEX 1111 X/IECEx EPS 16.0049X, 2G T4 IIC/2D T130 °C IIIC, Tamb - 40 °C bis + 60 °C, single and block mounting	
Possible conformities (depending on the assembly)	–	EAC, drinking water, FDA


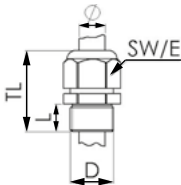

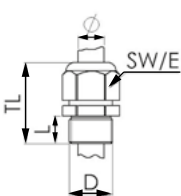
### 7.2. Accessories explosion-proof version

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 hermetic requirements	PCxx	Standard units are tested at $10^{-2}$ mbar x l / sec; feasible up to $10^{-6}$ mbar
Vacuum version	NA02	Suitable for vacuums up to -0.98 bar
Increased purity and hermetic requirements	NA03	Wetted parts are specially cleaned and leak tested to $10^{-4}$ mbar x l/sec
Increased purity and hermetic 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
Electrical feedback	CF15	Coil with intrinsically safe proximity switches (PTB 00 ATEX 2048X) instead of manual override

### 7.3. Cable glands for ATEX/IECEX terminal box

**Note:**

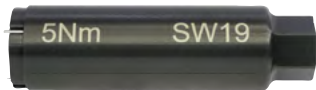
A cable gland in polyamide version is included in the delivery. A nickel-plated brass version can be ordered at a surcharge, see “8.4. Ordering chart accessories” on page 19.

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	 <table border="1"> <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 border="1"> <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												

### 7.4. Special tool to turn the terminal box

**Note:**

This special tool is not supplied with the valve, see “8.4. Ordering chart accessories” on page 19.

Description	Components of the set
Set SC02-AC10 	<ul style="list-style-type: none"> <li>• Special wrench</li> <li>• Service manual</li> </ul>

DTS 1000079488 EN Version: Z Status: RL (released | freigegeben | valide) printed: 14.08.2023

## 8. Ordering information

### 8.1. Bürkert eShop – Easy ordering and quick delivery



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#### Bürkert product filter – Get quickly to the right product

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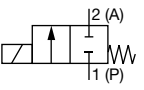
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### 8.3. Ordering chart

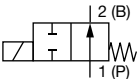
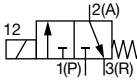
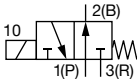
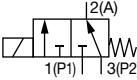
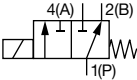
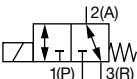
#### Standard version

##### Note:

- All devices with connection thread G 1/4, manual override and cable plug **Type 2518** ▶
- Other versions are available on request.
- Articles with reduced delivery time

Circuit function	Orifice [mm]	Housing or seat material	Seal material	Article no.		
				024/DC [V/Hz]	024/50 [V/Hz]	230/50 [V/Hz]
<b>CF A<sup>1)</sup></b> 2/2-way solenoid valve Direct-acting Normally closed 	3.0	Brass	FKM	020293	022883	124909
	3.0	Stainless steel	FKM	020292	023984	024563
	3.0	PP	FKM	018410	088496	045653
	3.0	Brass	NBR	020294	086553	024902
	3.0	PP	EPDM	067214	022105	062398
	4.0	Brass	FKM	024019	025246	124912
	4.0	Stainless steel	FKM	018276	018857	020873
	4.0	PP	FKM	062695	043005	063116
	4.0	Brass	NBR	025084	–	046007
	4.0	PP	EPDM	021660	067731	063118
	5.0	PP	FKM	062624	067007	022619
	5.0	PP	EPDM	061321	054261	049969



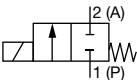
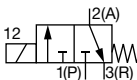
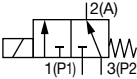
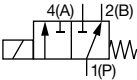
Circuit function	Orifice [mm]	Housing or seat material	Seal material	Article no.		
				024/DC [V/Hz]	024/50 [V/Hz]	230/50 [V/Hz]
<b>CF B<sup>1)</sup></b> 2/2-way solenoid valve Direct-acting Normally open 	3.0	Brass	FKM	141917 ☒	130146 ☒	141919 ☒
	4.0	Brass	FKM	141920 ☒	141921 ☒	141923 ☒
	3.0	Stainless steel	FKM	141928 ☒	141929 ☒	141931 ☒
	4.0	Stainless steel	FKM	141932 ☒	141933 ☒	141935 ☒
<b>CF C</b> 3/2-way solenoid valve Direct-acting Normally closed 	2.0	Brass	NBR	041103 ☒	042129 ☒	041105 ☒
	3.0	Brass	NBR	041107 ☒	041108 ☒	041116 ☒
	3.0	Stainless steel	FKM	052344 ☒	045024 ☒	052059 ☒
	4.0	Brass	NBR	042218 ☒	042695 ☒	042329 ☒
	4.0	Stainless steel	FKM	050483 ☒	043324 ☒	050979 ☒
	4.0	PP	FKM	–	088420 ☒	–
	4.0	PP	EPDM	–	–	063625 ☒
<b>CF D</b> 3/2-way solenoid valve Direct-acting Normally open 	2.0	Brass	NBR	056984 ☒	041858 ☒	041137 ☒
	3.0	Brass	NBR	041139 ☒	041141 ☒	041147 ☒
	4.0	Brass	NBR	043129 ☒	042696 ☒	042903 ☒
<b>CF E</b> 3/2-way mixing valve (solenoid valve) 	3.0	PP	FKM	069917 ☒	066230 ☒	022294 ☒
	3.0	PP	EPDM	078556 ☒	–	078559 ☒
	4.0	PP	FKM	061077 ☒	086921 ☒	053406 ☒
	4.0	PP	EPDM	067160 ☒	044693 ☒	066033 ☒
<b>CF F</b> 3/2-way distribution valve (solenoid valve) Direct-acting 	4.0	PP	FKM	020528 ☒	–	–
	4.0	PP	EPDM	–	–	066032 ☒
<b>CF T</b> 3/2-way solenoid valve Direct-acting Flow direction optional Normally closed 	2.0	Brass	FKM	124922 ☒	138316 ☒	124925 ☒
	3.0	Brass	FKM	124927 ☒	124928 ☒	124930 ☒
	2.0	Stainless steel	FKM	124932 ☒	124933 ☒	124935 ☒
	3.0	Stainless steel	FKM	124937 ☒	124938 ☒	124940 ☒

1.) The listed article numbers and circuit functions have a housing with straight pass.

## Explosion-proof version

## Note:

- All devices with connection thread G ¼ and manual override.
- Other versions are available on request.

Circuit function	Orifice [mm]	Housing or seat material	Seal material	Electrical connection	Article no.	
					024 / AC/DC [V/Hz]	230 / AC/DC [V/Hz]
<b>CF A<sup>1.)</sup></b> 2/2-way solenoid valve Direct-acting Normally closed 	3.0	Brass	NBR	Terminal box	353707	353708
	3.0	Brass	NBR	Cable	353616	353617
	3.0	Stainless steel	FKM	Terminal box	353709	353710
	3.0	Stainless steel	FKM	Cable	353618	353619
<b>CF C</b> 3/2-way solenoid valve Direct-acting Normally closed 	3.0	Brass	NBR	Terminal box	353594	353695
	3.0	Brass	NBR	Cable	353596	353599
	3.0	Stainless steel	FKM	Terminal box	353700	353706
	3.0	Stainless steel	FKM	Cable	353614	353615
<b>CF E</b> 3/2-way mixing valve (solenoid valve) 	3.0	Stainless steel	FKM	Terminal box	353712	353702
	3.0	Stainless steel	FKM	Cable	353620	353621
<b>CF F</b> 3/2-way distribution valve (solenoid valve) Direct-acting 	3.0	Stainless steel	FKM	Terminal box	394337	353713
	3.0	Stainless steel	FKM	Cable	353622	353623
	4.0	Stainless steel	FKM	Terminal box	353697	–
	4.0	Stainless steel	FKM	Cable	353646	–

1.) The listed article numbers and circuit functions have a housing with straight pass.

### 8.4. Ordering chart accessories

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

**Note:**

See **Type 2518** ▶ for more versions.

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

#### Cable glands for ATEX/IECEx terminal box

**Note:**

- A polyamide cable gland is included in the scope of delivery. Brass, nickel-plated, can be ordered for a surcharge.
- Refer to **“7.3. Cable glands for ATEX/IECEx terminal box”** on page 15 for more information about Ex cable glands.
- Refer to **“7.4. Special tool to turn the terminal box”** on page 15 for more information about special wrench.

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

1.) Cable diameter

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

#### Mounting plate cpl. for DIN rail mounting

Description	Article no.
	013253

#### Locking ring

Description	Article no.
	013372

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