Direct-acting 2/2-way direct-acting plunger valve

- Flushing and drainage valve in fuel cell systems and other hydrogen applications
- Very compact solenoid valve with reliably high tightness and service life
- Available with nominal diameters up to 6 mm
- Available as a flange or plug-in flange variant for fast system integration.
- Protection rating IP65 or IP6K9K with automotive plug

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

Can be combined with

Type 2507
Cable plug,
form B according to industry standard

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

Type 2516
Cable plug,
form C according to DIN EN 175301-803

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

Type 6020
Direct-acting 2-way proportional valve

Type 6440
Servo-assisted 2/2-way piston valve

Type description

Valve 6030 valve is a direct-acting plunger valve. The stopper and the core guide tube are welded together to increase pressure resistance and security against leaks. The coils are encased with an epoxy that is highly resistant to chemicals. In combination with a plug conforming to DIN EN 175301-803, the valves meet the IP65 protection rating. Cartridge and flange connections, and solenoids with automotive plugs with IP6K9K protection rating, are available for optimised use in fuel cells.

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Visit product website

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FLUID CONTROL SYSTEMS

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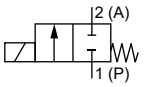
1. General technical data

Product properties		
Dimensions	Further information can be found in chapter "5. Dimensions" on page 7.	
Material		
Seal	EPDM	
Body	Stainless steel 1.4404/316L for push-in flange and flange body Stainless steel 1.4571/316Ti for threaded body	
Coil	Epoxy	
Tightness	1× 10^{-4} mbar l/s [1.)]	
Pressure	**Coil size 24.5 mm (AC08)**	**Coil size 32 mm (AC10)**
Nominal pressure class	PN 40 bar for threaded body PN 40 bar for flange body PN 12 bar for push-in flange body	PN 40 bar for threaded body PN 25 bar for flange body PN 6 bar for push-in flange body
Burst pressure	> 200 bar for threaded body > 200 bar for flange body > 65 bar for push-in flange body	> 200 bar for threaded body > 125 bar for flange body > 35 bar for push-in flange body
Differential pressure	Further information can be found in chapter "8. Ordering information" on page 17.	
Orifice	DN 1...DN 6	
Circuit function	A 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, 50% ED, 20% ED, see ordering chart To increase the duty cycle, the power can alternatively be reduced by means of current control or PWM signal after max. 500 ms.	
Switching time [2.)]	**Coil size 24.5 mm (AC08)**	**Coil size 32 mm (AC10)**
	Opening: 8...15 ms Closing: 10...17 ms	Opening: 20 ms Closing: 30 ms
Electrical data		
Operating voltage	12 V DC, 24 V DC	
Power consumption	Further information can be found in chapter "6. Performance specifications" on page 16.	
Voltage tolerance		
Standard variant (IP65)	± 10 %	
Enhanced voltage tolerance for mobile applications	- 25 %...+ 30 %	
Medium data		
Operating medium	Neutral gases and liquids (e.g. compressed air, water, nitrogen) Optimised for DI water and hydrogen	
Medium temperature	- 40 °C...+ 100 °C	
Viscosity	Max. 21 mm^2/s (21 cSt)	
Product connections		
Electrical connection	• Plug contacts according to DIN EN 175 301 - 803 form B for cable plug **Type 2507** ▶ Further information can be found in chapter "Cable plug Type 2507, form B according to industry standard" on page 23. • Plug contacts according to DIN EN 175 301 - 803 form C for cable plug **Type 2516** ▶ Further information can be found in chapter "Cable plug Type 2516, form C according to DIN EN 175301 - 803" on page 23. • Plug contacts according to DIN EN 175 301 - 803 form A for cable plug **Type 2518** ▶ Further information can be found in chapter "Cable plug Type 2518, form A according to DIN EN 175301 - 803" on page 24. Automotive connector for IP6K9K coil variant: Connector KOSTAL MLK1.2, 2-pin, coding A (male) Connector TE MCON 1.2, 2-pin, coding A (male) Other connector types available on request	
Port connection	Push-in flange, flange, G ⅛, G ¼	

Approvals and conformities	
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.
Degree of protection	
Standard variant	IP65 with cable plug **Type 2507** ▶, **Type 2516** ▶ **and Type 2518** ▶ NEMA 4X with cable plug **Type 2509** ▶ for stainless steel variants (further variants available on request)
Automotive coil	IP6K according to ISO 20653:2013 IPX7 according to ISO 20653:2013 (immersion test according to ISO 16750 - 4:2010) IPX9K according to ISO 20653:2013 This degree of protection can only be guaranteed as long as the coil is not removed from the valve.
Environment and installation	
Installation position	As required, preferably with actuator upright
Ambient temperature	
Standard variant	- 40 °C...+ 55 °C/+ 75 °C (depending on power level and voltage tolerance)
Automotive coil [3.)]	- 40 °C...+ 85 °C

1.) The limit values listed do not apply to valves with lower tightness requirements (var. code PC93). This restriction does not include a standard helium leak test.
2.) Measurement at + 20 °C, 6 bar at valve outlet, opening: pressure build-up 0...90 %, closing: pressure drop 100...10 %
3.) Depending on the variant, a power reduction by means of current control or PWM signal to 50 % of the nominal power (holding phase) may be necessary after max. 500 ms (switch-on pulse).

2. Circuit functions

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

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 variants 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 Ex marking of the components according to the following table:

Coil Type AC08	Coil Type AC10
ATEX: EPS 21 ATEX 1 128 X II 2G Ex mb IIC T4 Gb II 2D Ex mb IIIC T130 °C Db **IECEx:** IECEx EPS 21.0045X Ex mb IIC T4 Gb Ex mb IIIC T130 °C Db	**ATEX:** EPS 18 ATEX 1232 X II 2G Ex mb IIC T4 Gb II 2D Ex mb IIIC T130 °C Db II 2G Ex eb mb IIC T4 Gb II 2D Ex mb tb IIIC T130 °C Db **IECEx:** IECEx EPS 18.0110 X Ex mb IIC T4 Gb Ex mb IIIC T130 °C Db Ex eb mb IIC T4 Gb Ex mb tb IIIC T130 °C Db

3.5. North America (USA/Canada)

Approval	Description
	Valid for coils:: UL Recognized for the USA and Canada The coils are UL Recognized for the USA and Canada according to: • UL 429 (electrically operated valves) • CAN/CSA-C22.2 No. 61010-1
LISTED SOLENOID FOR USE IN HAZARDOUS LOCATIONS E504714	**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

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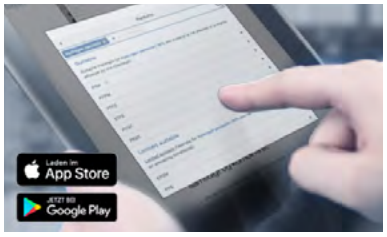
4. Materials

4.1. Bürkert resistApp

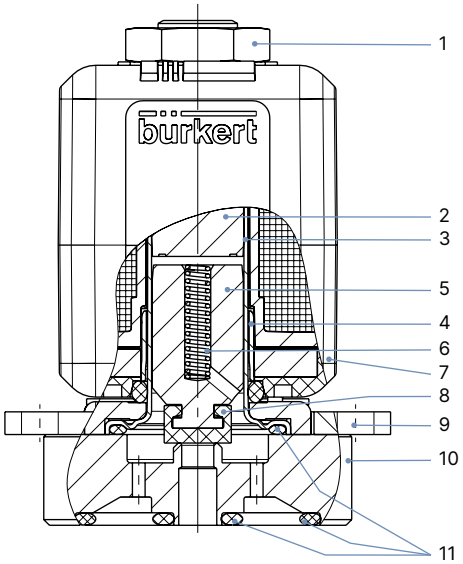


Bürkert resistApp – Chemical resistance chart

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	Nut	DIN 176 Thick-film passivated surface KOSA0101
2	Stopper	Stainless steel 1.4113/434
3	Core guide tube	Stainless steel 1.4303 ST/305L
4	Pole sleeve	Stainless steel 1.4016
5	Core	Stainless steel 1.4113/434
6	Spring	Stainless steel 1.4310/301
7	Core seal	EPDM
8	Coil	Epoxy
9	Mounting plate	Stainless steel 1.4404
10	Push-in flange	Stainless steel 1.4404
11	Seal to the outside	EPDM

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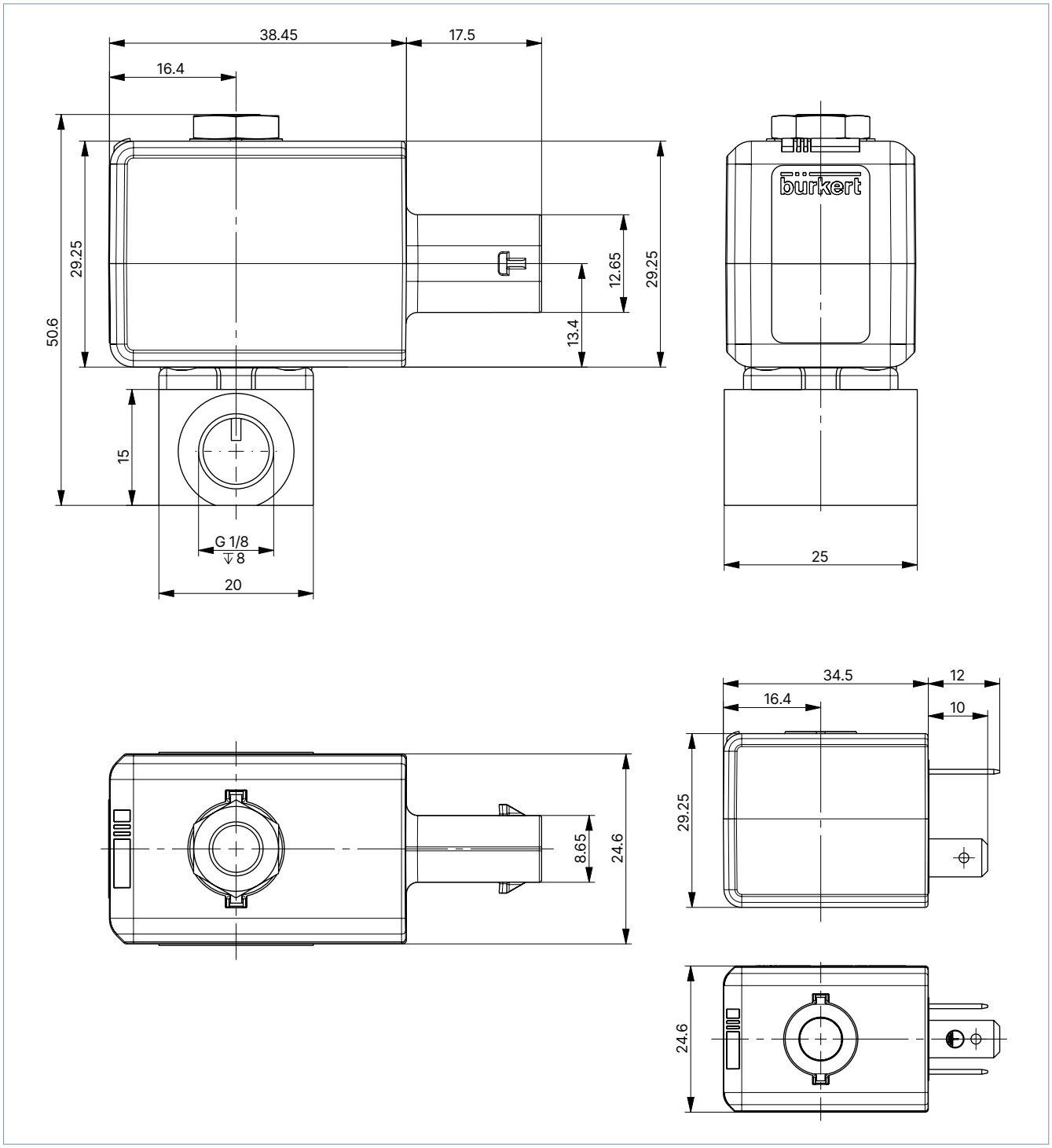
5. Dimensions

5.1. Threaded variant

Coil size 24.5 mm (AC08)

Note:
Dimensions in mm



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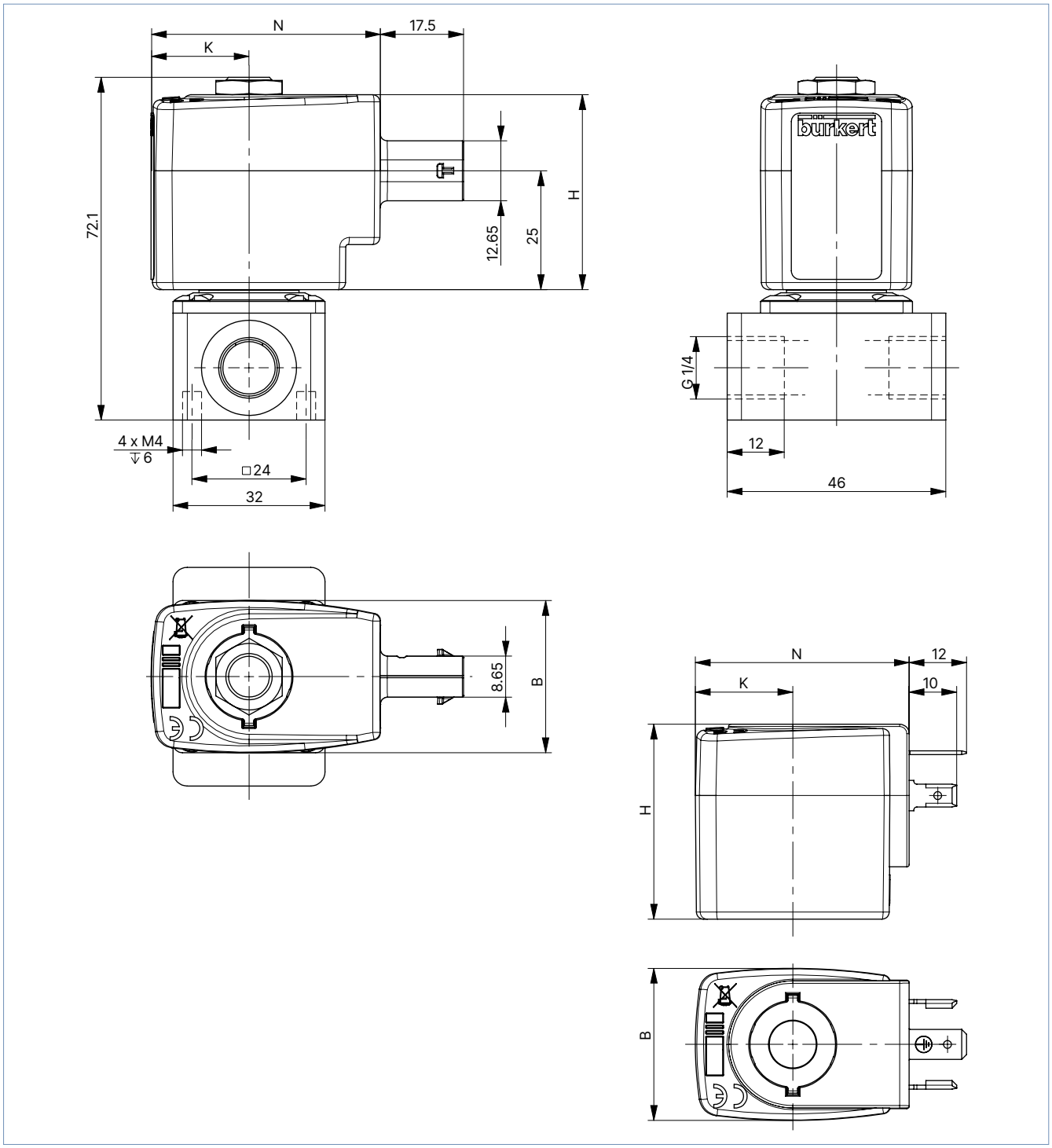
Coil size 32 mm (AC10)

Note:
Dimensions in mm

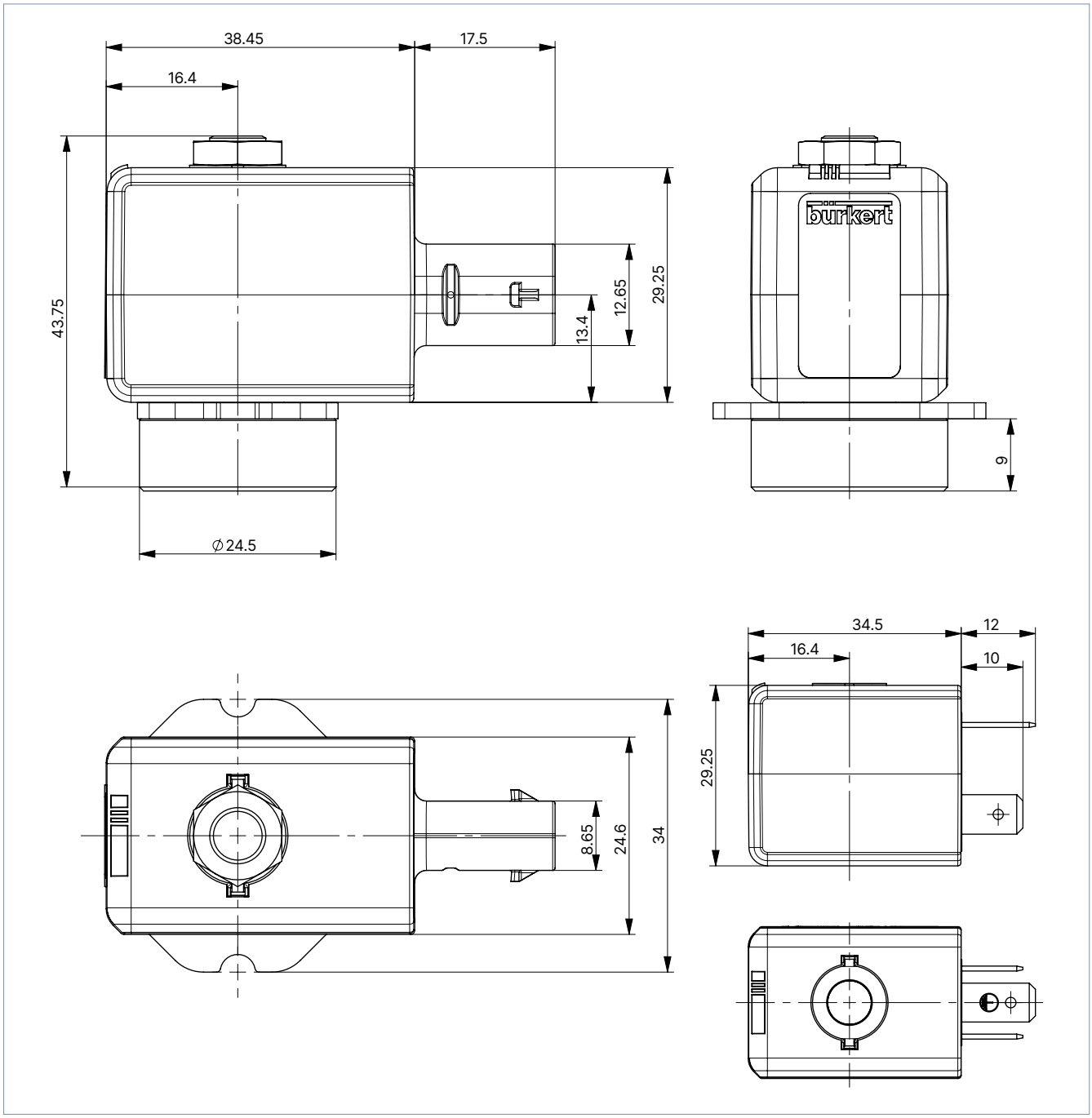


ELA	Electrical connection	SG (coil size)	B [mm]	H [mm]	K [mm]	N [mm]
GA	Plug form A according to DIN EN 175301-803	5	32	41	20.5	45
		6	40		27.5	51
39	Plug KOSTAL MLK1.2 / TE MCON 1.2, 2-pin, coding A (male)	5	32		20.5	48.3
		6	40		23.6	54.2

5.2. Push-in flange variant

Port connection FC22, coil size 24.5 mm (AC08)

Note:
Dimensions in mm



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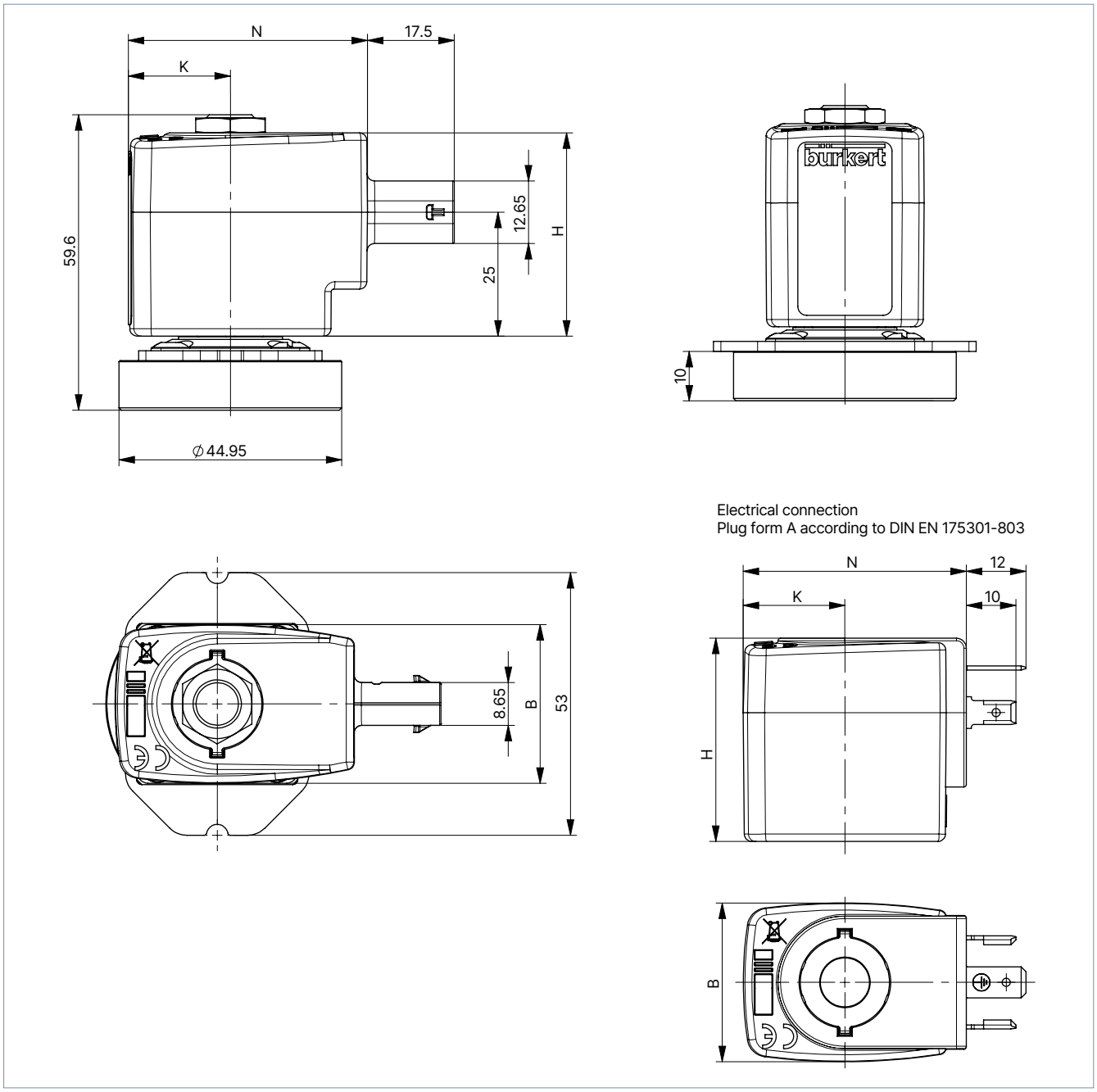
Port connection FC23, coil size 32 mm (AC10)

Note:
Dimensions in mm



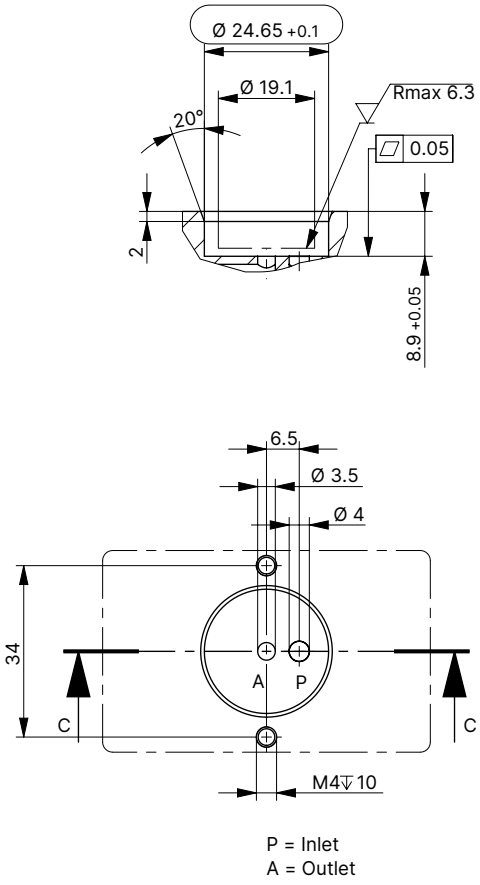
ELA	Electrical connection	SG (coil size)	B [mm]	H [mm]	K [mm]	N [mm]
GA	Plug form A according to DIN EN 175301 - 803	5	32	41	20.5	45
		6	40		27.5	51
39	Plug KOSTAL MLK1.2 / TE MCON 1.2, 2-pin, coding A (male)	5	32		20.5	48.3
		6	40		23.6	54.2

Flange interface push-in flange

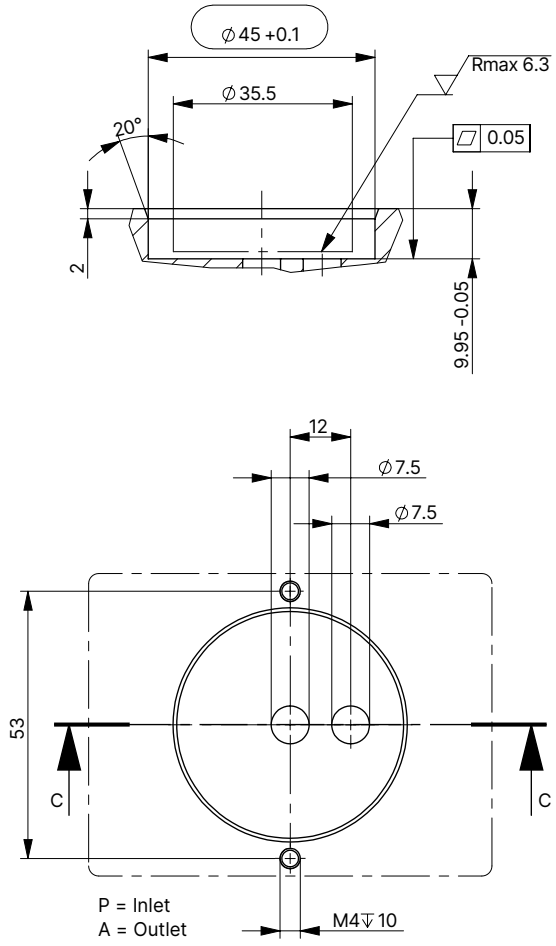
Note:

- Dimensions in mm
- The flow openings (P) of the valve body and the manifold block must be arranged one above the other to achieve the KV value specified in the data sheet.

Connection contour FC22, coil size 24,5 mm (AC08)



Connection contour FC23, coil size 32 mm (AC10)



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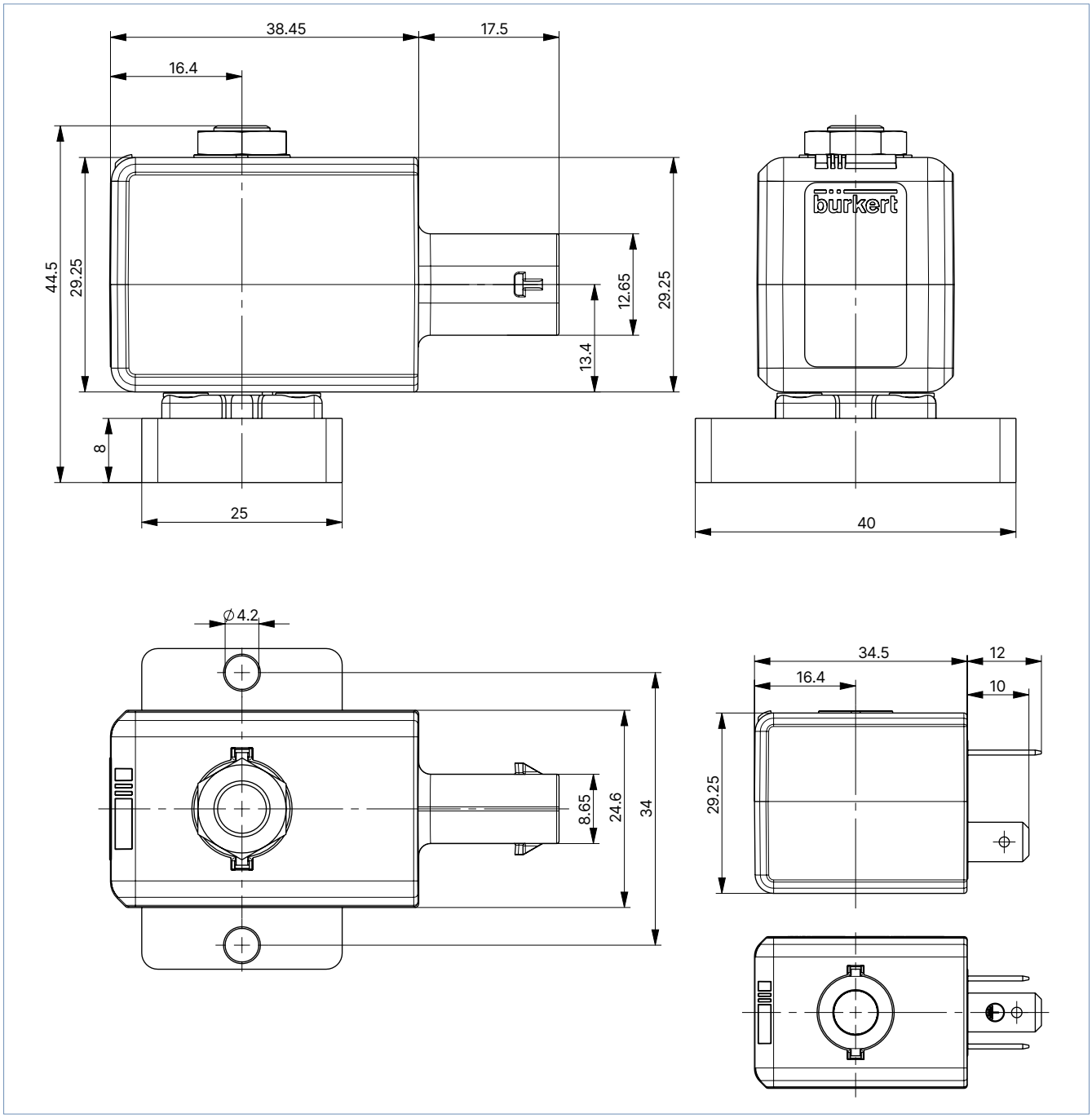
5.3. Flange variant

Port connection FK18, coil size 24.5 mm (AC08)

Note:
Dimensions in mm



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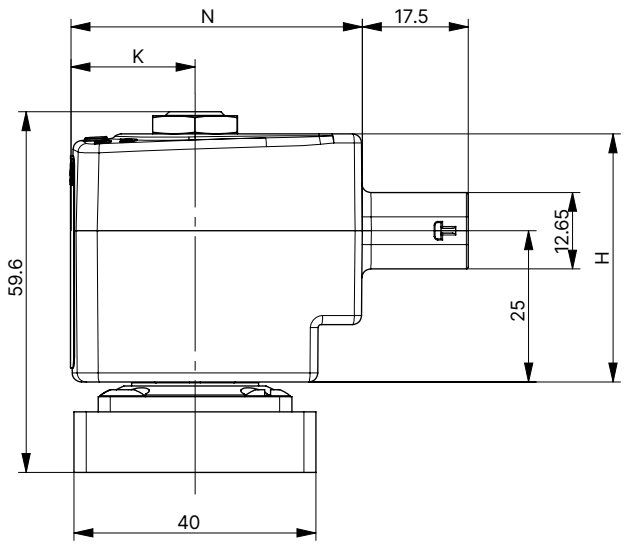
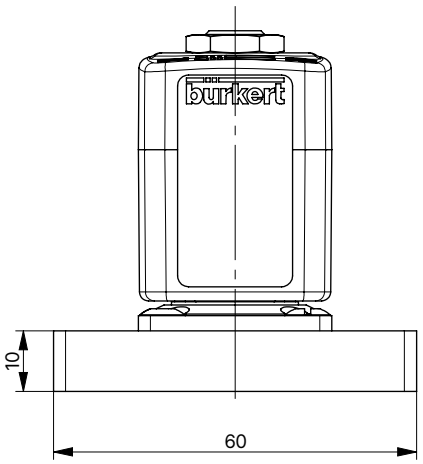
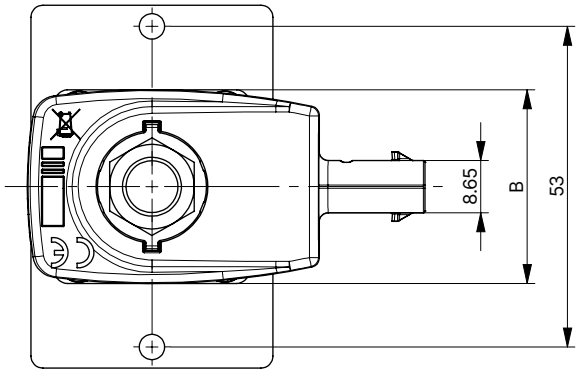
Port connection FK19, coil size 32 mm (AC10)

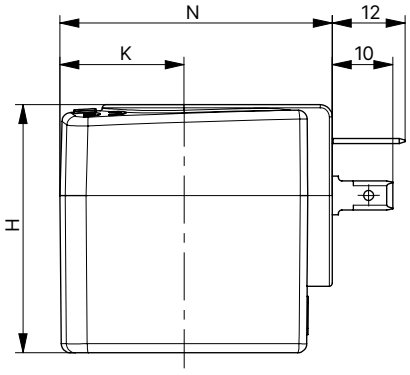
Note:
Dimensions in mm

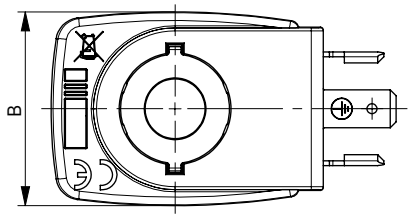






Electrical connection
Plug form A according to DIN EN 175301-803



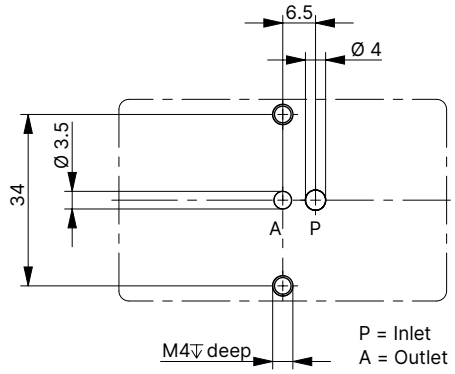
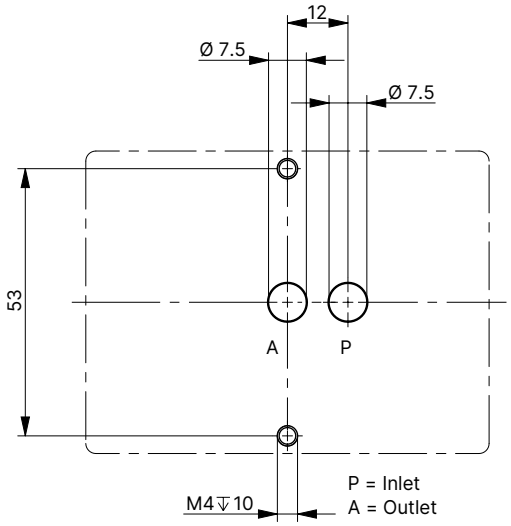


ELA	Electrical connection	SG (coil size)	B [mm]	H [mm]	K [mm]	N [mm]
GA	Plug form A according to DIN EN 175301 - 803	5	32	41	20.5	45
		6	40		27.5	51
39	Plug KOSTAL MLK1.2 / TE MCON 1.2, 2-pin, coding A (male)	5	32		20.5	48.3
		6	40		23.6	54.2

Flange interface flange

Note:

- Dimensions in mm
- The flow openings (P) of the valve body and the manifold block must be arranged one above the other to achieve the KV value specified in the data sheet.

Connection contour FK18, coil size 24,5 mm (AC08)	Connection contour FK19, coil size 32 mm (AC10)
	

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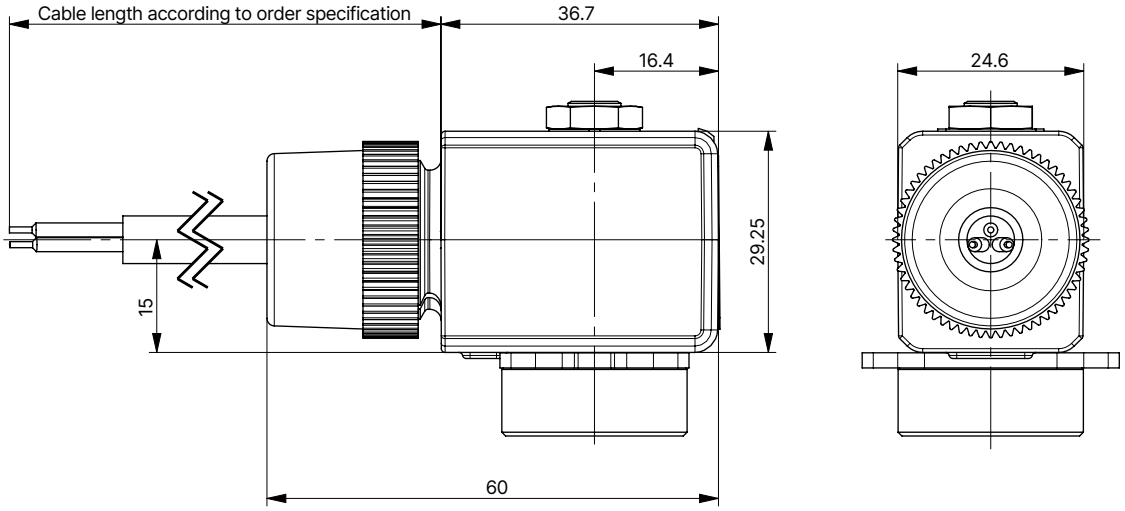
5.4. ATEX/IECEx cable variant

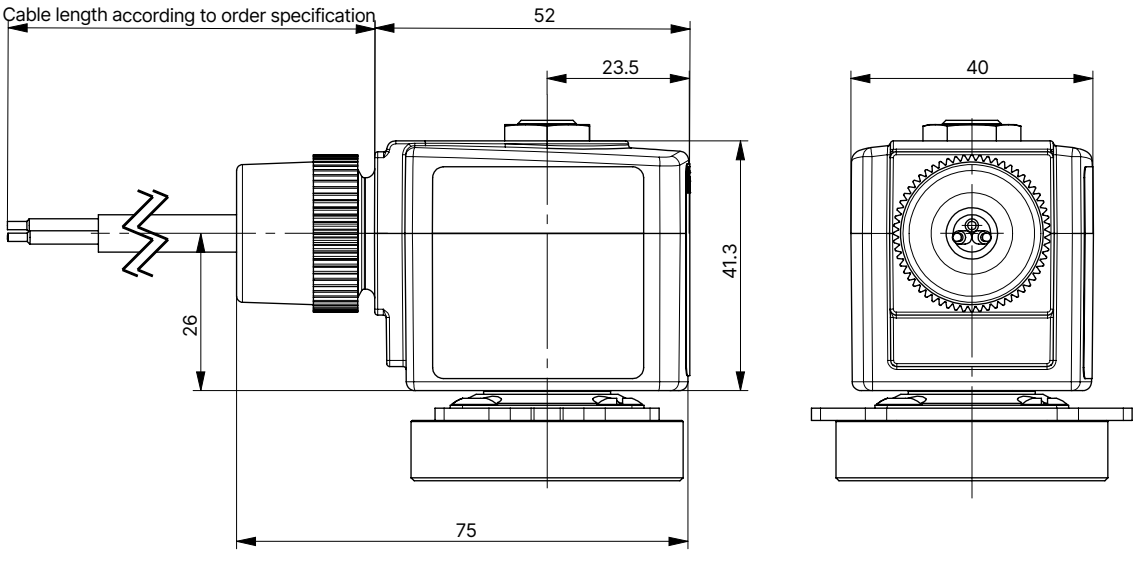
Coil size 24.5 mm (AC08)

Note:
Dimensions in mm



Coil size 40 mm (AC10)

Note:
Dimensions in mm



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6. Performance specifications

6.1. Power consumption

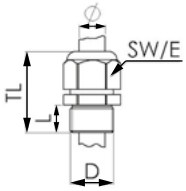
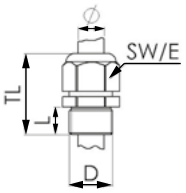
Coil	Coil size	Electrical power		Maximum duty cycle	Switching times 1.)	
		DC			Opening	Closing
	[mm]	Cold [W]	Warm [W]		[ms]	[ms]
24 V / DC / 5.5 W	24.5	5.5	4.5	100 % ED	8...15	10...17
24 V / DC / 7 W		7	5.5			
24 V / DC / 11 W		11	8.5	50 % ED		
24 V / DC / 14 W		14	11			
ATEX/IECEx 6 W		6	5	100 % ED		
24 V / DC / 9 W	32	9	8	100 % ED	20	30
24 V / DC / 17 W		17	13.5	50 % ED		
24 V / DC / 39 W		39	28	20 % ED		
ATEX/IECEx 9 W	40	9	8	100 % ED		

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

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 variant can be ordered for a surcharge, see **"Cable glands for ATEX/IECEX terminal box" on page 24**.

Description	Ex approval		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		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

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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 "Cable glands for ATEX/IECEX terminal box" on page 24.

Description	Components of the set
Set SC02-AC10 	• Special tool • 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.

Order online now

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?
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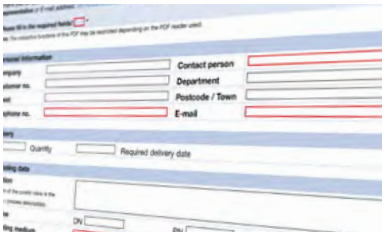
8.3. Bürkert Product Enquiry Form



Bürkert Product Enquiry Form – Your enquiry quickly and compactly

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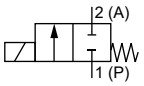
8.4. Ordering chart

Standard variant with plug form B according to DIN EN 175301 - 803 (IP65 coil)

Note:

- Please note that the cable plug must be ordered separately, see "Cable plug Type 2507, form B according to industry standard" on page 23 or separate data sheet for **Type 2507** ▶.
- Other variants with alternative voltages, NPT or RC internal thread are available on request.

Circuit function	Port connection	Orifice	K_v value water [1.]	Maximum duty cycle	Coil power	Pressure range (MAWP [2.])		Article no.
						Ambient temperature +75 °C	Ambient temperature +55 °C	024/DC
		[mm]	[m³/h]		[W]	[bar]	[bar]	[V/Hz]
Stainless steel body, seal material EPDM/EPDM, coil size 24.5 mm (AC08)								
CF A 2/2-way solenoid valve Direct-acting Normally closed  	**Threaded housing with internal G thread**							
	G ⅛	1.0	0.03	100 % ED	5,5	0...30	–	20120878
		1.6	0.06	100 % ED	7	–	0...13	20111754
					5.5	0...10	–	20095340
				50 % ED [3.]	14	–	0...25	o. r.
					11	0...20	–	20111755
		2.0	0.11	100 % ED	7	–	0...9	20107242
					5.5	0...6.5	–	o. r.
				50 % ED [3.]	14	–	0...19	o. r.
					11	0...14	–	20111756
		2.4	0.13	100 % ED	7	–	0...3.5	20111757
					5.5	0...3	–	o. r.
				50 % ED [3.]	14	–	0...14	o. r.
					11	0...10	–	20106668
	Push-in flange housing							
	FC22	1.0	0.03	100 % ED	5.5	0...12	–	20069830
		1.6	0.08	100 % ED	7	–	0...12	o. r.
					5.5	0...10	–	20069717
		2.0	0.12	100 % ED	7	–	0...9	o. r.
					5.5	0...6.5	–	20114143
				50 % ED [3.]	11	0...12	–	o. r.
		2.4	0.14	100 % ED	7	–	0...3.5	o. r.
					5.5	0...3	–	20114144
				50 % ED [3.]	14	–	0...12	o. r.
					11	0...10	–	20069721
		3.0	0.22	100 % ED	7	–	0...3	o. r.
					5.5	0...2	–	20114145
				50 % ED [3.]	14	–	0...7	o. r.
					11	0...5.5	–	o. r.

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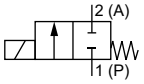
Circuit function	Port connection	Orifice	K_V value water [1.]	Maximum duty cycle	Coil power	Pressure range (MAWP [2.])		Article no.
						Ambient temperature +75 °C	Ambient temperature +55 °C	024/DC
		[mm]	[m³/h]		[W]	[bar]	[bar]	[V/Hz]
CF A 2/2-way solenoid valve Direct-acting Normally closed  	**Flange housing**							
	FK18	1.0	0.03	100 % ED	5.5	0...30	–	o. r.
		1.6	0.08	100 % ED	7	–	0...13	o. r.
					5.5	0...10	–	o. r.
				50 % ED [3.]	14	–	0...25	o. r.
					11	0...20	–	o. r.
		2.0	0.12	100 % ED	7	–	0...9	o. r.
					5.5	0...6.5	–	o. r.
				50 % ED [3.]	14	–	0...19	o. r.
					11	0...14	–	o. r.
		2.4	0.14	100 % ED	7	–	0...3.5	o. r.
					5.5	0...3	–	o. r.
				50 % ED [3.]	14	–	0...14	o. r.
					11	0...10	–	20071781
		3.0	0.22	100 % ED	7	–	0...3	o. r.
					5.5	0...2	–	o. r.
				50 % ED [3.]	14	–	0...7	o. r.
					11	0...5.5	–	o. r.

o. r. = on request

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

2.) Maximum allowable working pressure

3.) For 100 % ED, the power must be reduced by means of current control or PWM signal to max. 50 % (holding phase) after max. 500 ms (switch-on pulse).

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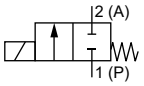
Standard variant with plug form A according to DIN EN 175301-803 (IP65 coil)

Note:

- Please note that the cable plug must be ordered separately, see "Cable plug Type 2518, form A according to DIN EN 175301-803" on page 24 or separate data sheet for **Type 2518** ▶.
- Other variants with alternative voltages, NPT or RC internal thread are available on request.

Circuit function	Port connection	Orifice	K_V value water [1.]	Maximum duty cycle	Coil power	Pressure range (MAWP [2.])		Article no.
						Ambient temperature +75 °C	Ambient temperature +55 °C	024/DC
		[mm]	[m³/h]		[W]	[bar]	[bar]	[V/Hz]
Stainless steel body, seal material EPDM/EPDM, coil size 32 mm (AC10)								
CF A 2/2-way solenoid valve Direct-acting Normally closed  	**Threaded housing with internal G thread**							
	G ¼	2.0	0.12	100 % ED	9	–	0...12	20114146
				50 % ED [3.]	17	0...20	–	20114147
		3.0	0.23	100 % ED	9	–	0...6	20114148
				50 % ED [3.]	17	0...7	–	20114149
		4.0	0.30	100 % ED	9	–	0...1.5	20114150
				50 % ED [3.]	17	0...2.5	–	20095341
		6.0	0.55	100 % ED	9	–	0...0.5	20114151
				20 % ED [4.]	39	0...2	–	20114152
	Push-in flange housing							
	FC23	3.0	0.22	100 % ED	9	–	0...6	20114153
				50 % ED [3.]	17	0...6	–	o. r.
		4.0	0.45	100 % ED	9	–	0...1.5	o. r.
				50 % ED [3.]	17	0...2.5	–	20095344
		6.0	0.60	100 % ED	9	–	0...0.5	o. r.
				20 % ED [4.]	39	0...2	–	20095163
	Flange housing							
	FK19	2.0	0.12	100 % ED	9	–	0...12	o. r.
				50 % ED [3.]	17	0...20	–	o. r.
		3.0	0.22	100 % ED	9	–	0...6	o. r.
				50 % ED [3.]	17	0...7	–	o. r.
		4.0	0.45	100 % ED	9	–	0...1.5	o. r.
				50 % ED [3.]	17	0...2.5	–	20095346
		6.0	0.60	100 % ED	9	–	0...0.5	o. r.
				20 % ED [4.]	39	0...2	–	o. r.

o. r. = on request

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

2.) Maximum allowable working pressure

3.) For 100 % ED, the power must be reduced by means of current control or PWM signal to max. 50 % (holding phase) after max. 500 ms (switch-on pulse).

4.) For 100 % ED, the power must be reduced by means of current control or PWM signal to max. 33 % (holding phase) after max. 500 ms (switch-on pulse).

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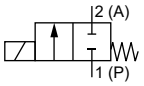
Variant with automotive plug (IP6K9K coil)

Note:

- Depending on the variant, a power reduction by means of current control or PWM signal to 50 % of the nominal power (holding phase) may be necessary after max. 500 ms (switch-on pulse).
- The variants are designed for an increased voltage tolerance of -25%/+30%.
- Other variants with alternative voltages, NPT or RC internal thread are available on request.

Circuit function	Port connection	Orifice	K_v value water [1.]	Maximum duty cycle	Coil power	Pressure range (MAWP [2.]) Ambient temperature +85 °C [3.]	Article no. 012/DC	Article no. 024/DC
		[mm]	[m³/h]		[W]	[bar]	[V/Hz]	[V/Hz]
Stainless steel body, seal material EPDM/EPDM								
CF A 2/2-way solenoid valve Direct-acting Normally closed  	**Threaded housing with internal G thread**							
	G ⅛	1.0	0.03	100 % ED	5.5	0...18	o. r.	20111758
		1.6	0.06			0...6	o. r.	20111759
		2.0	0.11			0...4	o. r.	20097055
		2.4	0.13	50 % ED [3.]	11	0...6.5	o. r.	20095160
	G ¼	2.0	0.12	50 % ED [3.]	17	0...13	o. r.	20114154
		3.0	0.22			0...4.5	o. r.	20114155
		4.0	0.30			0...1.5	o. r.	20095162
		6.0	0.55	20 % ED [4.]	39	0...1	o. r.	20114156
	Push-in flange housing							
	FC22	1.0	0.03	100 % ED	5.5	0...12	o. r.	20069951
		1.6	0.08			0...6	o. r.	20069723
		2.0	0.12			0...4	o. r.	20114157
		2.4	0.14	50 % ED [3.]	11	0...6.5	20099747	20069725
		3.0	0.22			0...2	o. r.	20085132
	FC23	3.0	0.22	50 % ED [3.]	17	0...4.5	o. r.	20102954
		4.0	0.45			0...1.5	o. r.	20079373
		6.0	0.60	20 % ED [4.]	39	0...1	o. r.	20085133
	Flange housing							
	FK18	1.0	0.03	100 % ED	5.5	0...18	o. r.	o. r.
		1.6	0.08			0...6	o. r.	o. r.
		2.0	0.12			0...4	o. r.	o. r.
		2.4	0.14	50 % ED [3.]	11	0...6.5	o. r.	20085130
		3.0	0.22			0...2	o. r.	20087659
	FK19	2.0	0.12	50 % ED [3.]	17	0...13	o. r.	o. r.
		3.0	0.22			0...4.5	o. r.	20102949
		4.0	0.45			0...1.5	o. r.	20079374
		6.0	0.60	20 % ED [4.]	39	0...1	o. r.	20087655

o. r. = on request

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

2.) Maximum allowable working pressure

3.) For 100 % ED, the power must be reduced by means of current control or PWM signal to max. 50 % (holding phase) after max. 500 ms (switch-on pulse).

4.) For 100 % ED, the power must be reduced by means of current control or PWM signal to max. 33 % (holding phase) after max. 500 ms (switch-on pulse).

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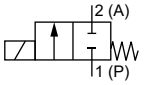
ATEX/IECEx cable variant

Note:

- In the standard variant, the cable length is 3 m. Other lengths are available on request.
- Other variants with alternative voltages, NPT or RC internal thread are available on request.
- ATEX/IECEx variants with terminal box are available for NPT ¼, FC23 and FK19 on request.

Circuit function	Port connection	Orifice	K_V value water [1.]	Maximum duty cycle	Coil power	Pressure range (MAWP [2.])	Article no.
						Ambient temperature + 55 °C	024/DC
		[mm]	[m³/h]		[W]	[bar]	[V/Hz]
Stainless steel body, seal material EPDM/EPDM							
CF A 2/2-way solenoid valve Direct-acting Normally closed  	**Threaded housing with internal G thread**						
	G ⅛	1.0	0.03	100 % ED	6	0...16	o. r.
		1.6	0.06			0...10	o. r.
		2.0	0.11			0...7	20100440
		2.4	0.13			0...3.5	o. r.
	G ¼	2.0	0.12	100 % ED	9	0...10	o. r.
		3.0	0.22			0...5	20114158
		4.0	0.30			0...1.2	o. r.
		6.0	0.55			0...0.4	o. r.
	Push-in flange housing						
	FC22	1.0	0.03	100 % ED	6	0...12	o. r.
		1.6	0.08			0...10	o. r.
		2.0	0.12			0...7	o. r.
		2.4	0.14			0...3.5	o. r.
		3.0	0.22			0...1	o. r.
	FC23	3.0	0.22	100 % ED	9	0...5	o. r.
		4.0	0.45			0...1.2	o. r.
		6.0	0.60			0...0.4	o. r.
	Flange housing						
	FK18	1.0	0.03	100 % ED	6	0...16	o. r.
		1.6	0.08			0...10	o. r.
		2.0	0.12			0...7	20100441
		2.4	0.14			0...3.5	o. r.
		3.0	0.22			0...1	o. r.
	FK19	2.0	0.12	100 % ED	9	0...10	o. r.
		3.0	0.22			0...5	o. r.
		4.0	0.45			0...1.2	o. r.
		6.0	0.60			0...0.4	o. r.

o. r. = on request

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

2.) Maximum allowable working pressure

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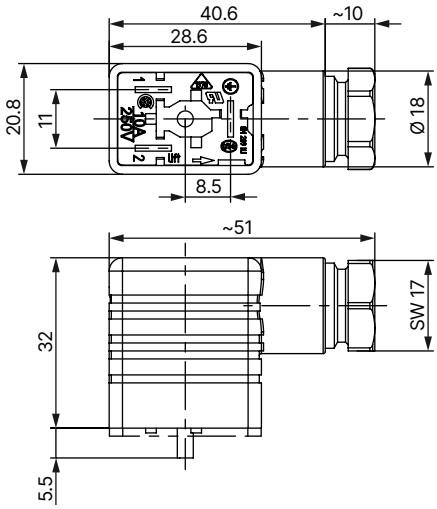
8.5. Ordering chart accessories

Cable plug Type 2507, form B according to industry standard

Note:

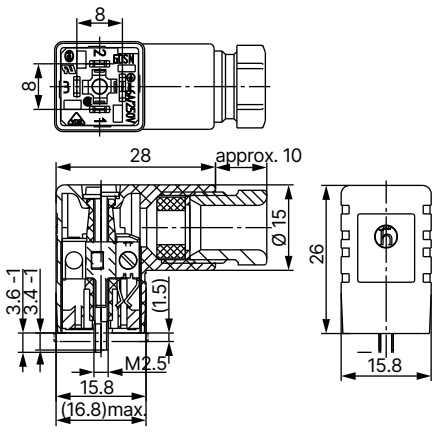
- Dimensions in mm
- Delivery of cable plug includes a flat seal and a fastening screw.
- Refer to data sheet **Type 2507** ▶ for more information about the cable plug.

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

Cable plug Type 2516, form C according to DIN EN 175301 - 803

Note:

- Dimensions in mm
- Delivery of cable plug includes a flat seal and a fastening screw.
- For further variants see data sheet **Type 2516** ▶.

Cable plug	Dimensions	Variant	Voltage	Article no.
		Without wiring	0...250 V AC/DC	303141
		With LED	12...24 V AC/DC	303145
		With LED and varistor	12...24 V AC/DC	303148
		With rectifier, LED and varistor	12...24 V AC/DC	303142

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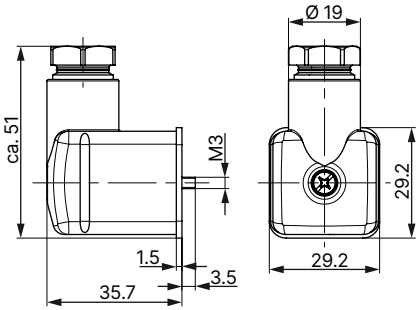
Cable plug Type 2518, form A according to DIN EN 175301 - 803

Note:

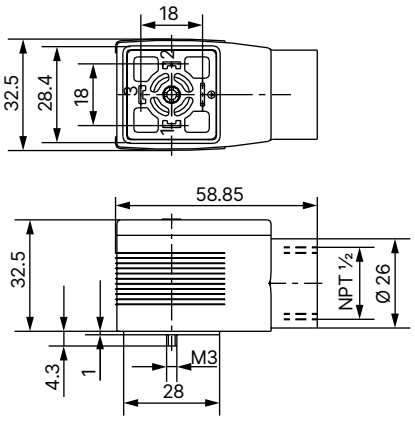
- Dimensions in mm
- For further variants see data sheet **Type 2518** ▶.

Cable plug	Dimensions	Variant	Voltage	Article no.
		Without wiring (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
		Without wiring (AC/DC) with silicone seal for higher ambient temperature, e.g. steam variant (NA07)	0...250 V AC/DC	361687

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

Note:

- Dimensions in mm
- Without wiring (standard)
- The cable plug Type 2509 meets the requirements of ATEX Cat. 3 GD in assembly with a Bürkert solenoid valve.
- The cable plug Type 2509 meets the requirements of UL Listed (UL 429) in assembly with a Bürkert solenoid valve.
- Refer to data sheet **Type 2509** ▶ for more information about the cable plug.

Cable plug	Dimensions	Variant	Voltage	Article no.
		Without wiring	0...250 V AC/DC	137943

Cable glands for ATEX/IECEX terminal box

Note:

- A polyamide cable gland is included in the scope of delivery. A nickel-plated brass variant can be ordered for a surcharge.
- Refer to "7.1. Cable glands for ATEX/IECEx terminal box" on page 16 for more information about Ex cable glands.
- Refer to "7.2. Special tool to turn the terminal box" on page 17 for more information about the special tool.

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

1.) Cable diameter

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

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