

- · Safety shut-off valve in fuel cell systems and other hydrogen applications
- Very compact solenoid valve with reliably high tightness and service
- Available for up to orifice 12 mm and pressure range 40 bar
- Available as flange or cartridge variant for quick system integration
- Degree of protection IP65 or IP6K9K with automotive plug







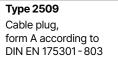
Product variants described in the data sheet may differ from the product presentation and description.

Can be combined with



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







Type 6020 Direct-acting 2-way proportional valve



Type 6030 Direct-acting 2/2-way direct-acting plunger valve

Type description

The valve 6440 is a servo-assisted piston valve. The stopper and the core guide tube are welded together to increase pressure resistance and leak-tightness. The coils are moulded with highly chemically resistant epoxy. Sliding rings increase the service life for dry gases. Cartridge and flange connections, and solenoids with automotive plugs (IP6K9K), are available for optimised use in fuel cells.



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1. General technical data

 General technic 	cal data
Product properties	
Dimensions	Further information can be found in chapter "5. Dimensions" on page 7.
Material	
Seal	EPDM
Housing	Stainless steel 1.4404/316L
Coil	Ероху
ightness 1.)	
nternal leakage rate	DN 6/ DN 8: 1×10^{-4} mbar I/s (>1 bar differential pressure) DN 12/DN 16: 1×10^{-4} mbar I/s (>1 bar differential pressure, > 0 °C medium/ambient temperature)
External leakage rate	1 × 10⁻⁴ mbar l/s
ressure	
Pressure level	DN 6/DN 8: PN 40 bar DN 12/DN 16: PN 25 bar The maximum switchable differential pressure can be found in chapter "8. Ordering information" on page 16.
Burst pressure	> 250 bar for flange and threaded body > 125 bar for cartridge body DN 6, DN 8 > 110 bar for cartridge body DN 12
Orifice	DN 6, DN 8, DN 12, DN 16
Dircuit 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
erformance data	
Outy cycle	100 % continuous operation Power must be reduced to 25 % of the nominal power (holding phase) with the aid of current control o PWM signal after max. 500 ms (switch-on pulse) for mobile applications with increased ambient temperature.
Switching time 2.)	
DN 6, DN 8	Opening: 1020 ms Closing: 4050 ms
DN 12, DN 16	Opening: 2030 ms Closing: 120200 ms
Electrical data	
ower consumption	Further information can be found in chapter "6. Performance specifications" on page 15.
/oltage tolerance	
Mobile applications	12 V: 9 V16 V 24 V: 18 V32 V
Stationary applications	± 10 %
/ledium data	
Operating medium	Neutral gases (e.g. compressed air, nitrogen) Optimised for hydrogen
Medium temperature	-40 °C+90 °C
/iscosity	Max. 21 mm ² /s (21 cSt)
Product connection	
Electrical connection	 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 20.
	 Plug contacts according to DIN EN 175 301 - 803 form A for cable plug Type 2509 . Further information can be found in chapter "Cable plug Type 2509, form A according to DIN EN 175301 - 803" on page 21.
	Automotive plugs for IP6K9K coil variants: Plug KOSTAL MLK1.2, 2-pin, coding A (male) Plug TE MCON 1.2, 2-pin, coding A (male) Other plug shapes on request
Port connection	Cartridge, flange, G ¼, G ¾, G ½, NPT ¼, NPT ¾, NPT ½, SAE UNF ¾ - 18, SAE UNF ¾ - 16

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Approvals and conformities	
Degree of protection	Standard: IP65 with cable plug Type 2518 ▶ NEMA 4X with cable plug Type 2509 ▶ for stainless steel variants (other variants on request)
	Automotive Coil: IP6K acc. to ISO 20653:2013 IPX7 acc. to ISO 20653:2013 (submersion test acc. to ISO 16750 - 4:2010) IPX9K acc. to ISO 20653:2013 This degree of protection can only be guaranteed as long as the coil is not removed from the valve.
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 "3.6. Others" on page 6.
Environment and installation	
Installation position	As required, preferably with actuator upright
Ambient temperature	- 40 °C+ 55 °C/+ 75 °C for stationary applications depending on performance level - 40 °C+ 85 °C for mobile applications $^{3.)}$

^{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. Circuit functions

Symbol	Description
2 (A)	Circuit function A (CF A)
	2/2-way solenoid valve
11 (P)	Servo-controlled
	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.

^{2.)} Measurement at +20 °C, 6 bar at the valve outlet, opening: pressure build-up 0...90 %, closing: pressure reduction 100...10 %

^{3.)} Power must be reduced to 25 % of the nominal power (holding phase) with the aid of current control or PWM signal after max. 500 ms (switch-on pulse).



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Explosion protection

Approval

Description

IECEx EPS 18.0110 X

Ex eb mb IIC T4 Gb Ex mb tb IIIC T130 °C Db

Coil Type AC10







Optional: Explosion protection according to category 2 (zone 1/21)

Ex marking of the components according to the following table:

Coil with cable outlet	
ATEX:	ATEX:
EPS 18 ATEX 1232 X	EPS 16 ATEX 1072 X
II 2G Ex mb IIC T4 Gb	II 2G Ex mb IIC T4 Gb
II 2D Ex mb IIIC T130 °C Db	II 2D Ex mb IIIC T130 °C Db
IECEx:	IECEx:
IECEx EPS 18.0110 X	IECEx EPS 16.0030 X
Ex mb IIC T4 Gb	II 2G Ex mb IIC T4 Gb
Ex mb IIIC T130 °C Db	II 2D Ex mb IIIC T130 °C Db
Coil with terminal box	
ATEX:	ATEX:
EPS 18 ATEX 1232 X	EPS 16 ATEX 1072 X
II 2G Ex eb mb IIC T4 Gb	II 2G Ex eb mb IIC T4 Gb
II 2D Ex mb tb IIIC T130 °C Db	II 2D Ex mb tb IIIC T130 °C Db
IECEx:	IECEx:

Coil Type AC19

IECEx EPS 16.0030 X II 2G Ex eb mb IIC T4 Gb

II 2D Ex mb tb IIIC T130 °C Db

Optional: Explosion protection according to category 3 (zone 2/22)

Ex marking of the components according to the following table:

Coil Type AC10	Coil Type AC19						
Coil with plug contacts form A and cable plug Type 2509							
ATEX:	ATEX:						
EPS 18 ATEX 1232 X	EPS 16 ATEX 1072 X						
II 2G Ex mb IIC T4 Gb	II 2G Ex mb IIC T4 Gb						
II 2D Ex mb IIIC T130 °C Db	II 2D Ex mb IIIC T130 °C Db						
IECEx:	IECEx:						
IECEx EPS 18.0110 X	IECEx EPS 16.0030 X						
Ex mb IIC T4 Gb	II 2G Ex mb IIC T4 Gb						
Ex mb IIIC T130 °C Db	II 2D Ex mb IIIC T130 °C Db						

North America (USA/Canada) 3.5.

Approval **LISTED** SOLENOID FOR USE IN HAZARDOUS

Description

Optional: UL Hazardous Locations - Explosion Protection (valid for coils)

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

Optional: CSA for Canada and the USA (valid for valves)

The valves are CSA approved for Canada and the USA as a Safety Shutoff Valve for hydrogen according to:

- UL 429 (electrically operated valves)
- CSA 139 (electrically operated valves)

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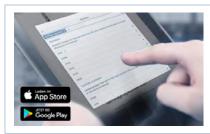
3.6. Others

DNV GL classification

Approval Description Optional: 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

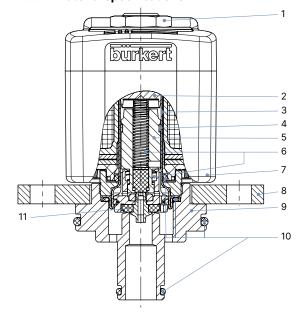


Bürkert resistApp - Chemical resistance chart

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	Nut	Stainless steel 1.4305/303 ^{1.)} , PTFE-coated
2	Stopper	Stainless steel 1.4113/434 1.)
3	Core guide tube	Stainless steel 1.4303/305 ^{1.)} /308 ^{1.)}
4	Guide ring	PTFE carbon-filled
5	Core	Stainless steel 1.4113/434 1.)
6	Springs	Stainless steel 1.4310/301 1.)
7	Coil	Epoxide
8	Retaining plate	Stainless steel 1.4301/304 1.)
9	Body	Stainless steel 1.4404/1.4571/316L ^{1.)} /316Ti ^{1.)}
10	External seal	EPDM
11	Whole piston	Stainless steel 1.4305/303 ^{1.)} PPS PTFE carbon-filled EPDM

1.) Material designation according to AISI

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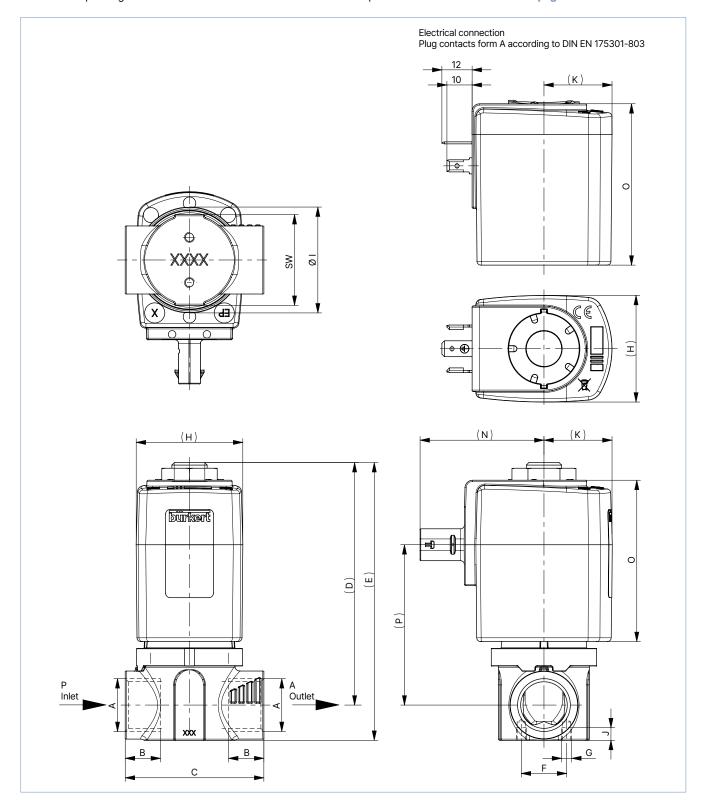
5. Dimensions

5.1. Threaded variant

Complete valve

Note:

- Dimensions in mm
- The corresponding dimensions of the solenoid coil can be found in chapter "Solenoid coil dimensions" on page 8.



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DN	A (port connection)	В	С	(D)	(E)	F	G	1	J	(P)	SW
	[Zoll]	[mm]									
6	G 1/4	12	40	61	71	18	M4	27	4.5	41.5	24
	NPT 1/4	10									
	Rc 1/4	9.7									
8	G 1/4	12	50	62	74					42.5	
	NPT 1/4	10									
	Rc 1/4	9.7									
	SAE 1/16 - 18 UNF - 2B	12.7									
6/8	G 3/8	12									
	NPT 3/8	10.3									
	RC 3/8	10.1									
12	G 1/2	14	55	96	110			42	5	62	36
	NPT 1/2	13.7									
	RC 1/2	13.2									
	SAE 3/4 - 16 UNF - 2B	14.3									
16	G 3/4	16		99	115	-	-		-		
	NPT ¾	14									
	RC¾	14.5									

Solenoid coil dimensions

Note

The corresponding dimensions to the letters mentioned can be found in chapter "Complete valve" on page 7.

DN	Electrical connection	Coil size	(H)	(K)	(N)	0
			[mm]	[mm]	[mm]	[mm]
6/8	Form A according to DIN EN 175301 - 803		32	21	_	41
		6	40	24	_	
	Plug KOSTAL MLK1.2 / TE MCON 1.2, 2-pin, coding A (male)				48	
12/16	Form A according to DIN EN 175301 - 803	K	42	27	_	64
	Plug KOSTAL MLK1.2 / TE MCON 1.2, 2-pin, coding A (male)				49	

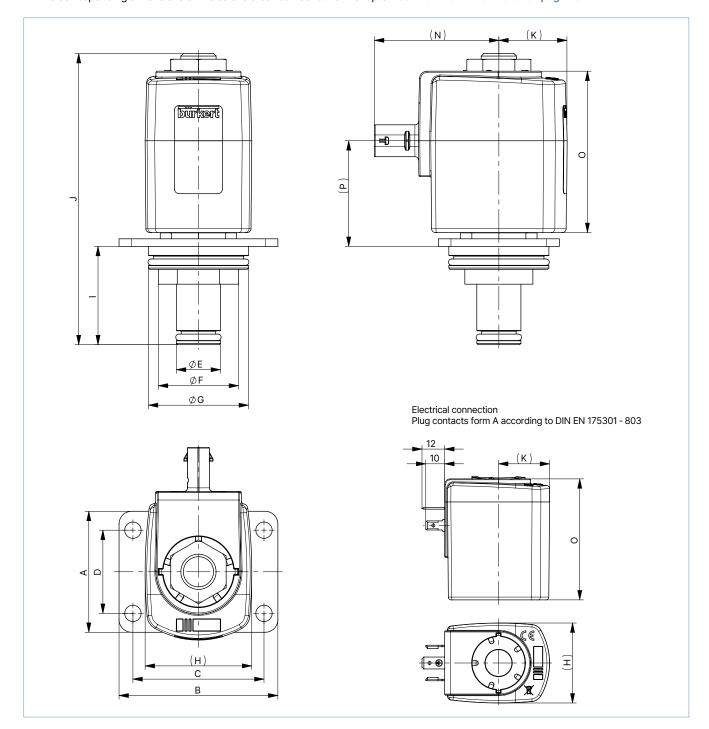


5.2. Cartridge variant

Complete valve

Note:

- Dimensions in mm
- The corresponding dimensions of the solenoid coil can be found in chapter "Solenoid coil dimensions" on page 10.



DN	Port connection	Α	В	С	D	ØE	ØF	ØG	1	(J)	(P)
6/8	FC16	55	55	52	_	12.4	23.9	34.6	25.4	76	31
12	FC17	48	63	52	33	17.5	31.8	39.7	39	113	42

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Solenoid coil dimensions

Note:

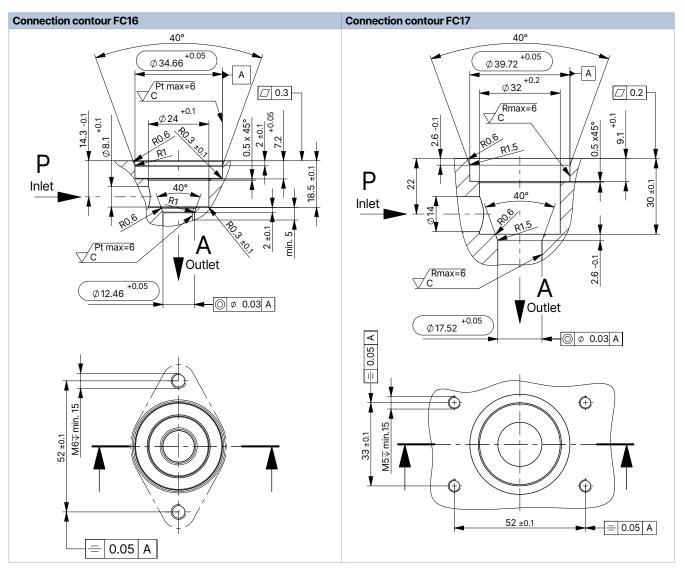
The corresponding dimensions to the letters mentioned can be found in chapter "Complete valve" on page 9.

DN	Electrical connection	Coil size	(H)	(K)	(N)	0
			[mm]	[mm]	[mm]	[mm]
6/8	Form A according to DIN EN 175301 - 803		32	21	_	41
		6	40	24	-	
	Plug KOSTAL MLK1.2 / TE MCON 1.2, 2-pin, coding A (male)				48	
12	Form A according to DIN EN 175301 - 803		42	27	-	64
	Plug KOSTAL MLK1.2 / TE MCON 1.2, 2-pin, coding A (male)				49	

Cartridge connection diagram

Note:

Dimensions in mm



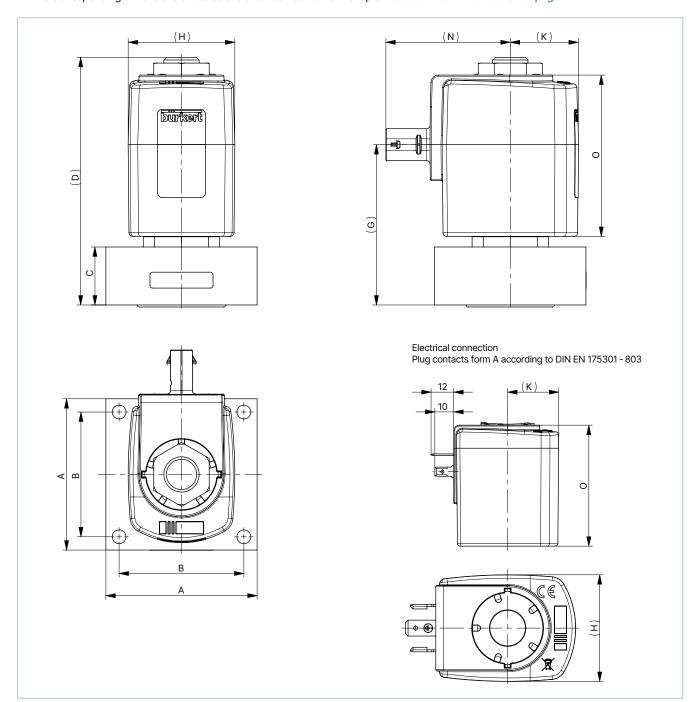


5.3. Flange variant

Complete valve

Note:

- Dimensions in mm
- The corresponding dimensions of the solenoid coil can be found in chapter "Solenoid coil dimensions" on page 12.



DN	Port connection	Α	В	С	(D)	(G)
6/8	FK14	55	46	13	58	38.5
12	FK17	60	49.5	23	98	64

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Solenoid coil dimensions

Note:

The corresponding dimensions to the letters mentioned can be found in chapter "Complete valve" on page 11.

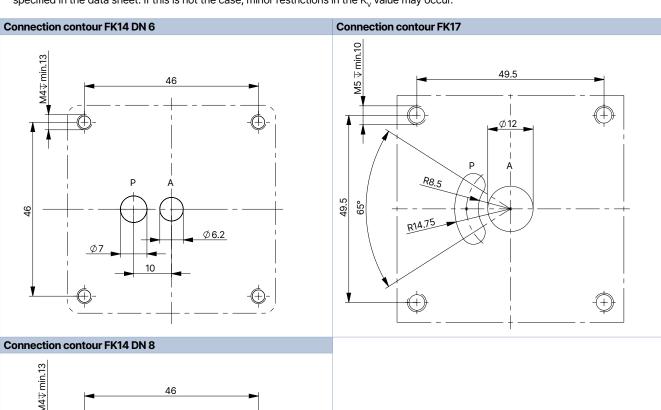
DN	Electrical connection	Coil size	(H)	(K)	(N)	0
			[mm]	[mm]	[mm]	[mm]
6/8	Form A according to DIN EN 175301 - 803	5	32	21	_	41
		6	40	24	_	
	Plug KOSTAL MLK1.2 / TE MCON 1.2, 2-pin, coding A (male)				48	
12	Form A according to DIN EN 175301 - 803	K	42	27	_	64
	Plug KOSTAL MLK1.2 / TE MCON 1.2, 2-pin, coding A (male)				49	



Flange connection diagram

Note:

- Dimensions in mm
- P = Inlet, A = Outlet
- The flow openings (P) of the valve body and connection block must be arranged one above the other in order to achieve the K_v value specified in the data sheet. If this is not the case, minor restrictions in the K_v value may occur.

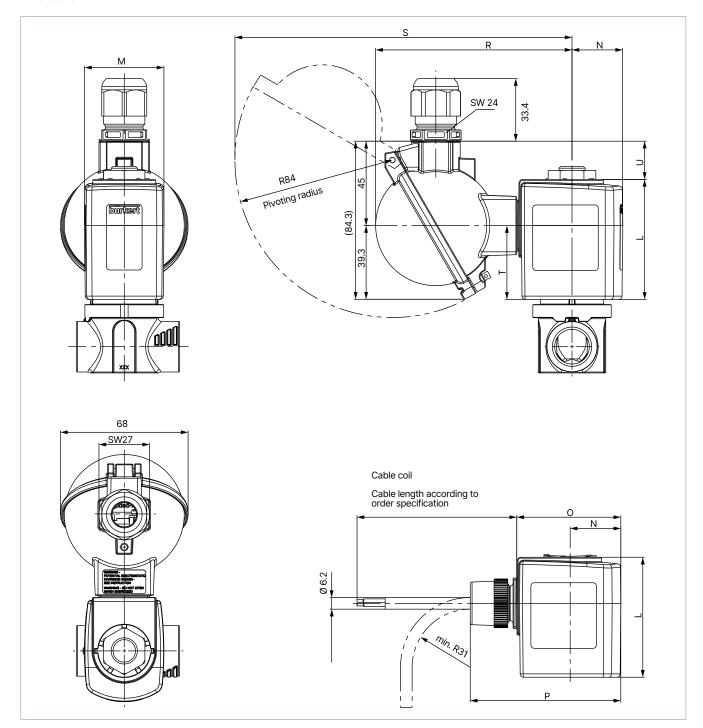




5.4. ATEX/IECEx variant (PX58 and PX38)

Note:

Dimensions in mm



Var. Code	Coil size	(M)	(N)	(0)	(P)	(L)	(R)	(S)	(T)	(U)
PX58	6	40	24	52	75	41	103	178	26	30
PX38	K	42	27	56	80	64	105	180	40	20

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6. Performance specifications

6.1. Power consumption

Note:

The Kick and Drop coil (AC/DC) features integrated electronics for short-term power increase and decrease in double coil technology.

Orifice	Coil size	DC		Kick and Drop coil AC/DC				
		Cold power	Warm power	Cold power inrush	Cold power hold	Warm power hold		
DN	[mm]	[W]	[W]	[W] 500 ms	[W]	[W]		
6/8	32 (5)	12	10	-	-	-		
	40 (6)	14	12	-	-	-		
		16	14	-	-	-		
		_	-	20	2	2		
	40 (6) EX	9	7.5	-	-	-		
12/16	42 (K)	21	16	-	-	-		
		32	20	-	-	-		
		-	_	44	6.5	5.5		
	42 (K) EX	15	12	44	6.5	5.5		

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 21.

Description	Ex approvals		Dimensions		
	Certification	Identification			
Ex cable gland, Nickel-plated brass, 613 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	SW/E	TL 2937 mm L 6 mm D 20 mm SW 24 mm E 27 mm	
Ex cable gland, Polyamide, 713 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	SW/E	TL 3645 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 21.



8. Ordering information

8.1. Bürkert eShop

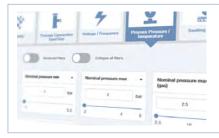


Bürkert eShop - Easy ordering and quick delivery

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? Use the Bürkert product filter and find suitable articles for your application quickly and easily.

Try out our product filter

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



8.4. Ordering chart for stationary applications, cable plug form A according to DIN EN 175301-803 (IP65 coil) Standard variant

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 20 or separate data sheet Type 2518 ▶.
- Further variants with alternative voltages, NPT or RC internal threads are available on request.

Circuit function	Port	Orifice	K _v value	Coil	Pressure range	e (MAWP¹.)	Coil size	Article no.				
	connection		water	power	Ambient temperature +75 °C	Ambient temperature + 55 °C		024/DC				
		[mm]	[m³/h]	[W]	[bar]	[bar]	[mm]	[V/Hz]				
Stainless steel body, s	eal material EP	DM/EPDI	М									
FA	Threaded co	Threaded connection with G internal thread										
/2-way solenoid valve	G 1/4	6	0.6	12	020	_	32	20044959 🖼				
ervo-controlled				14	025	_	40	20092726 🔄				
ormally closed		8	1.1	12	_	020	32	20092742 🔄				
2 (A)					016	_		20092743 🖼				
				14	025	_	40	20092745 🖼				
11 (P)	G 3/8	6	0.6	12	020	_	32	20092733 🔄				
				14	025	_	40	20081285 🖼				
		8	1.1	12	_	020	32	20092751 🛒				
					016	_		20092752 🖼				
				14	025	_	40	20092754 🖼				
	G 1/2	12	2.2	21	_	020	42	20092760 🖼				
					016	_		20044518 🖼				
				32 ^{2.)}	020	_		20064878 🖼				
	Cartridge bo	Cartridge body										
	FC16	6	0.7	12	020	_	32	20044961 🛒				
				14	025	_	40	20092767 🛒				
		8	1.1	12	_	020	32	20092775 🛒				
					016	_		20092776 🛒				
				14	025	_	40	20092778 🖫				
	FC17	12	2.3	21	_	020	42	20092782 🖫				
					016	_		20043705				
				32 2.)	020	_		20092783 🖫				
	Flange body	1		1 -	1							
	FK14	6	0.6	12	020	_	32	20044960 🖼				
				14	025	_	40	20092792 🖫				
		8	0.8	12	-	020	32	20092802 🖫				
				· -	016	-		20044960				
				14	025	_	40	20078761 🛱				
	FK17	12	2.4	21	-	020	42	20043704 🖫				
					016	-	- '-	20092811 🖼				
				32 2.)	020	_		20092812 😾				

^{1.)} Maximum allowable working pressure

^{2.)} Maximum 50 % duty cycle permitted



Variant with Kick and Drop 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 20 or separate data sheet Type 2518 ▶.
- The Kick and Drop coil (AC/DC) features integrated electronics for short-term power increase and decrease in double coil technology.
- Further variants with alternative voltages, NPT or RC internal threads are available on request.

Circuit function	Port connection	Orifice	K _v value water	Coil power		er Pressure range (MAWP¹¹)		Article no.		
				Starting power	Holding power	Ambient temperature +75 °C		024/DC		
		[mm]	[m³/h]	[W]	[W]	[bar]	[mm]	[V/Hz]		
Stainless steel body, se	al material EPI	DM/EPDI	Л							
CF A	Threaded co	nnection	with G inte	ernal thread						
2/2-way solenoid valve	G 1/4	6	0.6	20	2	025	40	20089275 🛱		
Servo-controlled		8	0.8					20092748 🖼		
Normally closed	G 3/8	6	0.6	20	2	025	40	20092737 🛒		
2 (A)		8	1.1					20092758 🛱		
	G 1/2	12	2.2	44	6.5	020	42	20079934 🖼		
11 (P)	Cartridge body									
	FC16	6	0.7	20	2	025	40	20092770 🛒		
	FC16	8	1.1	20	2	025	40	20092781 🛱		
	FC17	12	2.3	44	6.5	020	42	20067340 🖼		
	Flange body									
	FK14	6	0.6	20	2	025	40	20092796 🛱		
	FK14	8	0.8	20	2	025	40	20083228 🖼		
	FK17	12	2.4	44	6.5	020	42	20092814 🖼		

^{1.)} Maximum allowable working pressure



ATEX/IECEx cable variant

Note:

- The Kick and Drop coil (AC/DC) features integrated electronics for short-term power increase and decrease in double coil technology.
- In the standard variant, the cable length is 3 m. Other lengths are available on request.
- Further variants with alternative voltages, NPT or RC internal threads are available on request.
- ATEX/IECEx variants with terminal box are available on request.

Circuit function	Port connection	Orifice	K _v value water	Coil powe	r	Pressure range (MAWP 1.)	Coil size	Article no.			
				Starting power	Holding power	Ambient temperature + 55 °C		024/DC			
		[mm]	[m³/h]	[W]	[W]	[bar]	[mm]	[V/Hz]			
Stainless steel body, se	al material EP	DM/EPDI	И								
CF A	Threaded co	nnection	with G inte	ernal thread							
2/2-way solenoid valve	G 1/4	6	0.6	9	_	016	40	20092728 🖼			
Servo-controlled		8	0.8					20092888 ∖∺			
Normally closed	G 3/8	6	0.6	9	_	016	40	20092738 🖼			
2 (A)		8	0.8					20092889 🖼			
	G 1/2	12	2.2	15	_	010	42	20083956 ≒			
1 ₁ (P)				44	6.5	020	42	20087819 🖼			
	Cartridge body										
	FC16	6	0.7	9	_	016	40	20092771 🛒			
	FC16	8	1.1	9	_	016	40	20083955 🖼			
	FC17	12	2.3	15	_	010	42	20092784 📜			
				44	6.5	020	42	20081150 🖼			
	Flange body										
	FK14	6	0.6	9	_	016	40	20092797 📜			
		8	0.8	9	_	016	40	20092807 📜			
	FK17	12	2.4	15	_	010	42	20092816 🖼			
				44	6.5	020	42	20084225 🖼			

^{1.)} Maximum allowable working pressure



8.5. Ordering chart of mobile applications with automotive plug (IP6K9K coil)

Note:

- Power must be reduced to 25% of the nominal power (holding phase) with the aid of current control or PWM signal after max. 500 ms (switch-on pulse).
- Further variants with alternative voltages, NPT or RC internal threads are available on request.

Circuit function	Port connection	Orifice	K _v value water	Coil power ^{1.)}	Pressure range (MAWP ^{2.)})	Coil size	Artic	le no.			
					Ambient temperature + 85 °C 3.)		012/DC	024/DC			
		[mm]	[m³/h]	[m³/h] [W] [bar]		[mm]	[V/Hz]	[V/Hz]			
Stainless steel body, se	al material EPI	DM/EPDI	И								
CF A	Threaded co	nnection	with G inte	ernal thread							
2/2-way solenoid valve	G 1/4	6	0.6	14	025	40	20092730 🛱	20028364 🛱			
Servo-controlled		8	0.8	14	025	40	20092882 🛱	20092749 🛱			
Normally closed	G 3/8	6	0.6	14	025	40	20092739 🛱	20092740 🛱			
2 (A)		8	0.8	14	025	40	20092885 🛱	20092886 ≒			
	G 1/2	12 2	2.2	21	016	42	20092761 🖼	20069635 🛱			
11 (P)				32	020		20056552 🛱	20092762 🛱			
	Cartridge body										
	FC16	6	0.6	14	025	40	20092772 🛱	20028366 🛱			
		8	1.1	14	025	40	20092890 🛱	20069567 🛱			
	FC17	12	2.3	21	016	42	20092785 🖼	20092787 🛒			
		12	2.3	32	020	42	20056554 🖼	20092789 🖼			
	Flange body										
	FK14	6	0.6	14	025	40	20092798 🖼	20092799 🖼			
		8	0.8	14	025	40	20092809 🖼	20028365 🛱			
	FK17	12	2.4	21	016	42	20092887 🖼	20050001 💬			
		12	2.4	32	020	42	20092818 🖼	20080617 🛒			

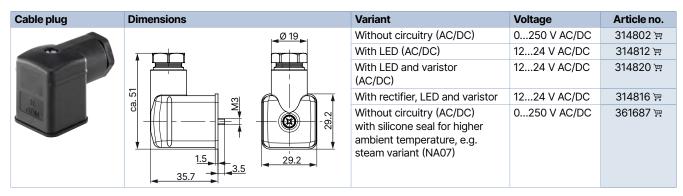
^{1.)} The stated power represents the required power of the pick-up phase. Power must be reduced by min. 75 % by means of current control or PWM signal after max. 500 ms (switch-on pulse) (holding phase).

8.6. Ordering chart accessories

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

Note:

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



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Maximum allowable working pressure

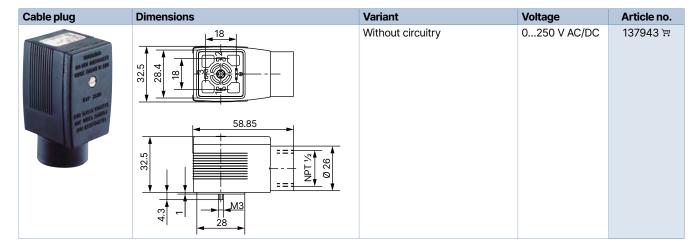
^{3.)} Use at this ambient temperature is only guaranteed if power is reduced to 25% of the nominal power by means of current control or PWM signal after max. 500 ms (switch-on pulse).



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

Note:

- · Dimensions in mm
- Without circuitry (standard)
- The cable plug Type 2509 meets the requirements in accordance with ATEX Cat. 3 GD in assembly with a Bürkert solenoid valve.
- The cable plug Type 2509 meets the requirements in accordance with 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 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 15 for more information about Ex cable glands.
- Refer to "7.2. Special tool to turn the terminal box" on page 16 for more information about special wrench.

Description	Article no.
Ex cable gland, nickel-plated brass, 613 mm ¹⁾	773278 📜
Ex cable gland, polyamide, 713 mm ^{1.)}	773277 📜
Set SC02-AC10: special wrench ²⁾ incl. service manual	293488 ≒

^{1.)} Cable diameter

Mounting bracket

Note:

- The mounting bracket, two cylinder screws M4×8 and two spring rings are included in the scope of delivery.
- The mounting bracket can be used for all threaded housings up to orifice DN 12.

Description	Article no.
Mounting bracket for Type 6020/6027/6240/6440	282304 📜

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^{2.)} Not included in the scope of delivery of the valve