bürkert
FLUID CONTROL SYSTEMS

Servo-assisted 2/2-way diaphragm valve

- RoHS compliant, with a maximum lead content of 0.1% by weight in each homogeneous material
- Suitable for contaminated process media
- Media-isolated pilot control for corrosive media
- Explosion-proof versions in accordance with ATEX, CCC, IEC and NEC
- Approved for use on seagoing vessels

Product variants described in the data sheet may differ from the product presentation and description.
The German or English (EU) data sheet is the master version. Other language versions may be temporarily out of date and will be updated accordingly.

Can be combined with

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

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

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

Type description

Valve 6282 is a servo-assisted diaphragm valve. A minimum differential pressure is required for the valve to function. A variety of diaphragm materials and circuit functions are available to suit different applications. The range of housings includes brass and stainless steel. 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 alkalis. The valve is equipped with an optional manual override for start-up and testing.

DTS 1000759623 EN Version: A Status: RL (released | freigegeben | valide) printed: 10.11.2026

© Christian Bürkert GmbH & Co. KG, subject to change without notice

Visit product website ▸

Table of contents

1. General technical data 3

2. Circuit functions 4

3. Approvals and conformities 4

3.1. General notes ... 4
3.2. Conformity ... 4
3.3. Standards ... 4
3.4. Explosion protection ... 5
3.5. North America (USA/Canada) ... 5
3.6. Drinking water ... 6
3.7. Others ... 6
DNV classification ... 6

4. Materials 7

4.1. Bürkert resistApp ... 7
4.2. Material specifications ... 7

5. Dimensions 8

5.1. Standard variant ... 8
Internal threaded connection ... 8
5.2. ATEX/IECEx variant ... 9
Internal threaded connection ... 9

6. Product accessories 11

6.1. Cable glands for ATEX/IECEX variant with terminal connection box ... 11
6.2. Special tool to turn the terminal connection box ... 11
6.3. Additional options ... 12

7. Ordering information 13

7.1. Bürkert eShop ... 13
7.2. Bürkert product filter ... 13
7.3. Bürkert Product Enquiry Form ... 13
7.4. Ordering chart ... 14
UL Recognized & CSA approval – Brass body ... 14
UL Recognized & CSA approval – Stainless steel body ... 14
UL Listed – Brass body ... 15
UL Listed – Stainless steel body ... 15
Explosion-proof variant – Coil UL Listed (cULus) for hazardous locations, Class I, Division 2 ... 16
7.5. Ordering chart accessories ... 17
Cable plug Type 2518, form A according to DIN EN 175301 - 803 ... 17
Cable plug Type 2509, form A according to DIN EN 175301 - 803 ... 17
Accessory for ATEX/IECEX variant with terminal connection box ... 18

DTS 1000759623 EN Version: A Status: RL (released | freigegeben | valide) printed: 10.11.2026

DTS 1000759623 EN Version: A Status: RL (released | freigegeben | valide) printed: 10.11.2026

1. General technical data

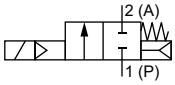
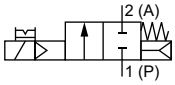
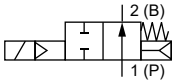
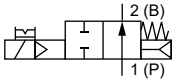
Product properties	
Dimensions	Further information can be found in chapter "5. Dimensions" on page 8.
Material	
Seal	NBR, EPDM, FKM
Pilot valve housing	brass, stainless steel
Body	Brass, stainless steel
Coil	Epoxy
Internal valve parts	PPS, stainless steel, brass
Orifice	DN 13...DN 50
Pressure range	3...174 psi [2.], pilot valve body made of brass or stainless steel and seal material FKM 3...232 psi [2.], pilot valve body made of brass or stainless steel and seal material NBR and EPDM
Circuit function	A and B Further information can be found in chapter "2. Circuit functions" on page 4.
Thermal insulation class of solenoid coil	Epoxy coil class H
Performance data	
Duty cycle	100 % continuous operation
Switching frequency (explosion-proof variant)	Medium temperature up to + 158 °F: max. 20/min Medium temperature up to + 194 °F: max. 5/min
Switching time [1.]	Opening: 0.1...0.8 s Closing: 1.0...4.0 s
Electrical data	
Operating voltage	24 V DC, 24 V AC 60 Hz, 120 V AC 60 Hz, 240 V AC 60 Hz
Power consumption standard variant 8 W coil	
AC	Inrush: 30 VA Hold: 15 VA/8 W
DC	Cold:11 W Warm: 8 W
Power consumption Impulse (inrush winding)	
AC	Hold: 20 VA Hold: 11 W
DC	Cold: 11 W Warm: 8 W
Power consumption explosion-proof variant	
AC/DC	Inrush: 40 W Hold: 3 W
Voltage tolerance	± 10 %
Medium data	
Operating medium	Neutral and slightly aggressive gaseous and liquid media, in accordance with the media resistance of the body and seal materials, liquids containing dirt particles. Further information can be found in chapter "4.1. Bürkert resistApp" on page 7.
Medium temperature	
With NBR	+ 32 °F...+ 176 °F
With EPDM	- 13 °F...+ 194 °F + 32 °F...+ 140 °F (with drinking water approval)
With FKM	+ 32 °F...+ 194 °F
Viscosity	Max. 21 mm^2/s (21 cSt)
Product connections	
Electrical connection	
Standard variant	Plug contacts according to DIN EN 175301 - 803 form A for cable plug **Type 2518** ▶ or **Type 2509** ▶ Further information can be found in chapter "7.5. Ordering chart accessories" on page 17.
Explosion-proof variant	• Moulded 3 meter cable, 3 × 0.5 mm^2 • Terminal connection box

Approvals and conformities	
Directive	CE
Degree of protection	IP65 with cable plug according to DIN EN 175301 - 803 form A IP65 with cable connection or terminal connection box
Explosion protection	Further information can be found in chapter "3.4. Explosion protection" on page 5.
North America (USA/Canada)	Further information can be found in chapter "3.5. North America (USA/Canada)" on page 5.
Drinking water	Further information can be found in chapter "3.6. Drinking water" on page 6.
Others	Further information can be found in chapter "3.7. Others" on page 6.
Environment and installation	
Installation position	As required, preferably with actuator upright
Ambient temperature	Max. + 131 °F

1.) Measurement at + 68 °F, 87 psi at the valve inlet and free outlet, opening: pressure reduction to 90 % of the difference to the flow pressure, closing: pressure build-up to 90 % of the inlet pressure
2.) A pressure difference of 7.5 psi is required to open the full cross-section.

DTS 1000759623 EN Version: A Status: RL (released | freigegeben | valide) printed: 10.11.2026

2. Circuit functions

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

3. Approvals and conformities

3.1. General notes

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

3.2. Conformity

In accordance with the EU 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.

3.4. Explosion protection

Approval	Description
	Optional: Explosion protection according to Category 2 (Zone 1/21) Ex marking of the components according to the following table:

Coil Type ACP016	
Coils with cable outlet	**Coils with terminal connection box**
ATEX: EPS 16 ATEX 1 111 X II 2 G Ex mb IIC T4 Gb II 2 D Ex mb IIIC T130 °C Db **IECEx:** IECEx EPS 16.0049X Ex mb IIC T4 Gb Ex mb IIIC T130 °C Db	**ATEX:** PTB 15 ATEX 1011 U II 2G Ex eb mb IIC T4 Gb II 2D EX mb tb IIIC T130 °C **IECEx:** IECEx PTB 15.0037 U II eb mb IIC T4 Gb II mb tb IIIC T130 °C Db

3.5. North America (USA/Canada)

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

DTS 1000759623 EN Version: A Status: RL (released | freigegeben | valide) printed: 10.11.2026

3.6. Drinking water

Conformity
Suitable for drinking water (in preparation) The products comply with Article 11 of Directive (EU) 2020/2184 (Drinking Water Directive) and the corresponding implementing acts in the area of materials and products that come into contact with drinking water. PF43: Certified for drinking water according to EU DWD 2020/2184/EU up to + 60 °C warm water   **SUITABLE FOR DRINKING WATER**

3.7. Others

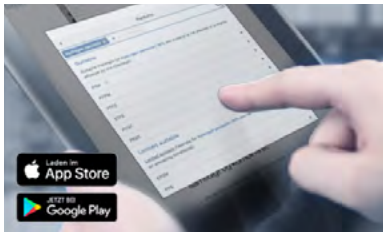
DNV classification

Approval	Description
TYPE APPROVED PRODUCT DNV DNV.COM/AF	**DNV classification – Ships, offshore units, and high speed and light craft** The products are approved for installation on all vessels classed by DNV.

DTS 1000759623 EN Version: A Status: RL (released | freigegeben | valide) printed: 10.11.2026

4. Materials

4.1. Bürkert resistApp

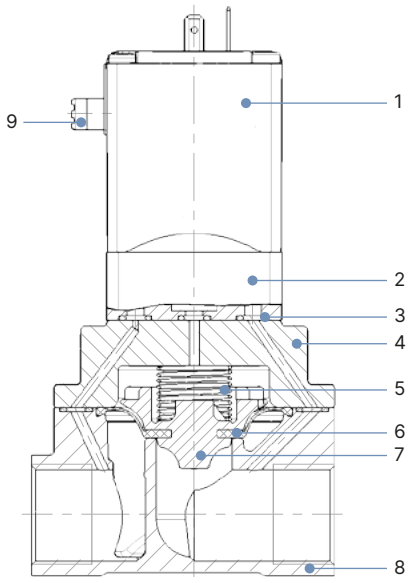


Bürkert resistApp – Chemical resistance chart

Want to ensure the reliability and durability of the materials in your individual application case? Verify your combination of media and materials on our website or in our resistApp.

Start chemical resistance check

4.2. Material specifications



No.	Element	Material
1	Coil	Epoxy
2	Pilot valve housing	PPSGF40 Brass C28500 (< 0,1 % Pb) Stainless steel 1.4401/316
3	O-ring	NBR, EPDM, FKM
4	Cover	Brass C28500 (< 0,1 % Pb) Stainless steel 1.4408/CF8M DN 50: stainless steel 1.4581/CF8M
5	Spring	Stainless steel 1.4310/302
6	Diaphragm	NBR, EPDM, FKM
7	Diaphragm holder	PPSGF40, DN 50: brass max. 0.1 % lead, stainless steel
8	Valve body	Brass C28500 (< 0,1 % Pb) Stainless steel 1.4408/CF8M DN 50: stainless steel 1.4581/CF8M
9	Manual override	PA

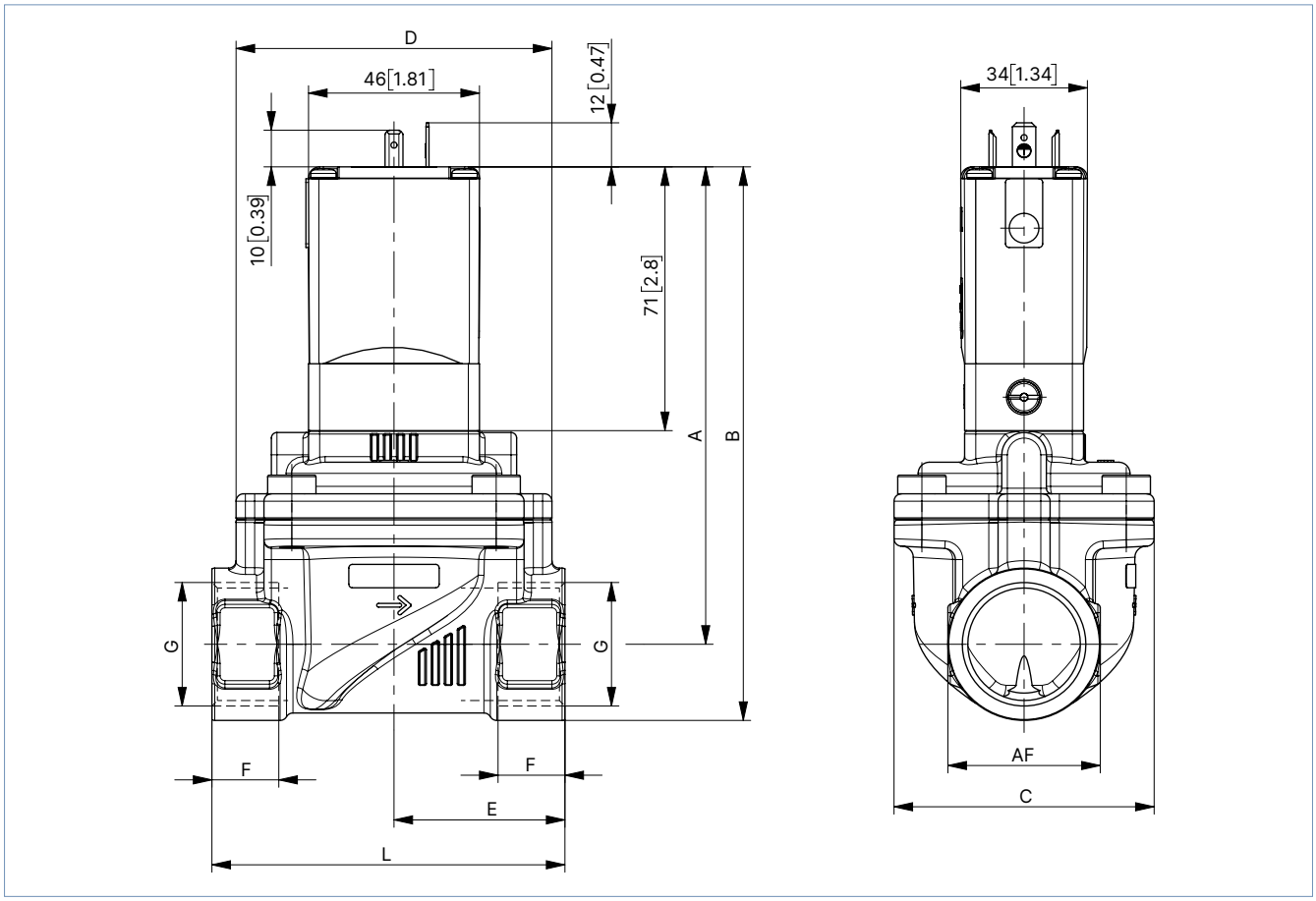
DTS 1000759623 EN Version: A Status: RL (released | freigegeben | valide) printed: 10.11.2026

5. Dimensions

5.1. Standard variant

Internal threaded connection

Note:
Dimensions in mm [inch]



Materials	DN	A		B		C		D		E		F		G	L		AF	
		[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[in]	[mm]	[in]	[mm]	[in]
Brass	13	107.5	4.23	121	4.76	42	1.65	54.5	2.15	32.5	1.28	13.7	0.54	NPT ½	65	2.56	27	1.06
	20	122.5	4.82	138.5	5.45	60	2.36	74	2.91	37	1.46	14	0.55	NPT ¾	80	3.15	32	1.26
	25	128.5	5.06	149	5.87	70	2.76	85	3.35	46	1.81	16.8	0.66	NPT 1	95	3.74	41	1.61
	40	146.5	5.77	176.5	6.95	99	3.90	114	4.49	61	2.40	17.3	0.68	NPT 1½	126	4.96	60	2.36
	50	142.8	5.62	177.8	7.00	115	4.53	132	5.20	82	3.23	17.6	0.69	NPT 2	164	6.46	70	2.76
Stainless steel	13	108	4.25	121	4.76	42	1.65	55.5	2.19	32.5	1.28	13.7	0.54	NPT ½	65	2.56	27	1.06
	20	122.5	4.82	138.5	5.45	60	2.36	74	2.91	37	1.46	14	0.55	NPT ¾	80	3.15	32	1.26
	25	128.5	5.06	149	5.87	70	2.76	85	3.35	46	1.81	16.8	0.66	NPT 1¼	95	3.74	41	1.61
	40	146.5	5.77	176.5	6.95	99	3.90	114	4.49	61	2.40	17.3	0.68	NPT 2	126	4.96	60	2.36
	50	142.8	5.62	177.8	7.00	115	4.53	132	5.20	82	3.23	17.6	0.69	NPT 2½	164	6.46	70	2.76

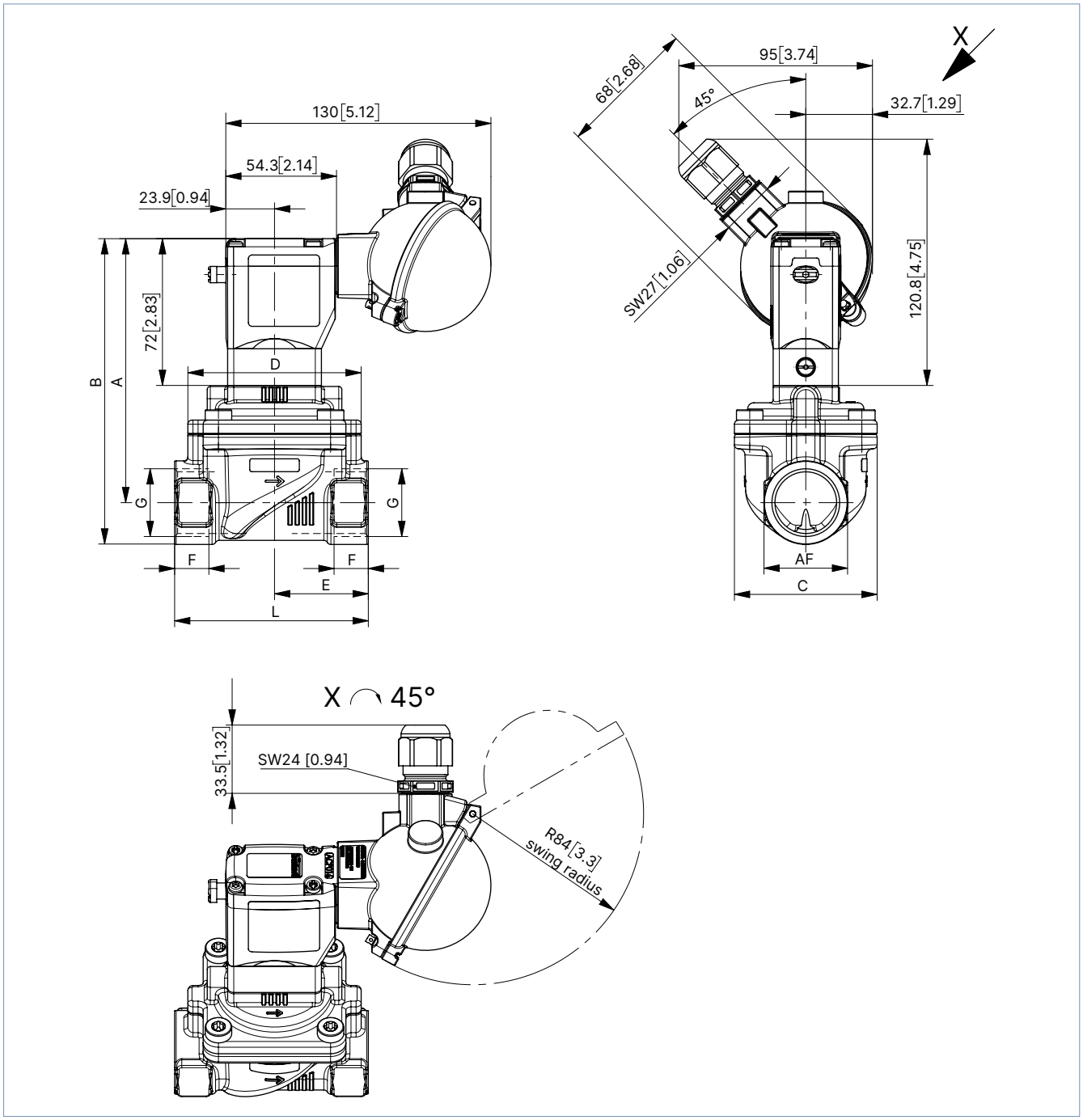
1.) Only brass body
2.) Only stainless steel body

DTS 1000759623 EN Version: A Status: RL (released | freigegeben | valide) printed: 10.11.2026

5.2. ATEX/IECEx variant

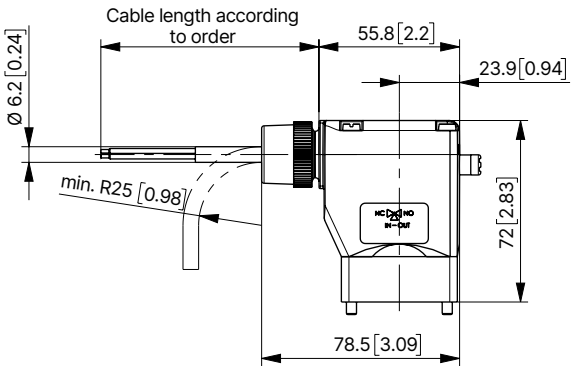
Internal threaded connection

Note:
Dimensions in mm [inch]

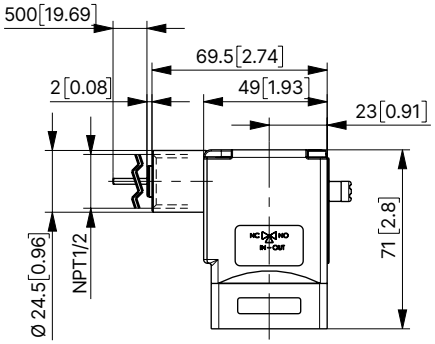


DTS 1000759623 EN Version: A Status: RL (released | freigegeben | valide) printed: 10.11.2026

Pilot control with cable coil



Pilot control with cFMus approved coil



Materials	DN	A		B		C		D		E		F		G	L		AF	
		[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[in]	[mm]	[in]	[mm]	[in]
Brass	13	108.5	4.27	122	4.80	42	1.65	54.5	2.15	32.5	1.28	13.7	0.54	NPT ½	65	2.56	27	1.06
	20	123.5	4.86	139.5	5.49	60	2.36	74	2.91	37	1.46	14	0.55	NPT ¾	80	3.15	32	1.26
	25	129.5	5.10	150	5.91	70	2.76	85	3.35	46	1.81	16.8	0.66	NPT 1	95	3.74	41	1.61
	40	147.5	5.81	177.5	6.99	99	3.90	114	4.49	61	2.40	17.3	0.68	NPT 1½	126	4.96	60	2.36
	50	143.8	5.66	178.8	7.04	115	4.53	132	5.20	82	3.23	17.6	0.69	NPT 2	164	6.46	70	2.76
Stainless steel	13	109	4.29	122	4.80	42	1.65	55.5	2.19	32.5	1.28	13.7	0.54	NPT ½	65	2.56	27	1.06
	20	123.5	4.86	139.5	5.49	60	2.36	74	2.91	37	1.46	14	0.55	NPT ¾	80	3.15	32	1.26
	25	129.5	5.10	150	5.91	70	2.76	85	3.35	46	1.81	16.8	0.66	NPT 1¼	95	3.74	41	1.61
	40	147.5	5.81	177.5	6.99	99	3.90	114	4.49	61	2.40	17.3	0.68	NPT 2	126	4.96	60	2.36
	50	143.8	5.66	178.8	7.04	115	4.53	132	5.20	82	3.23	17.6	0.69	NPT 2½	164	6.46	70	2.76

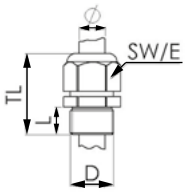
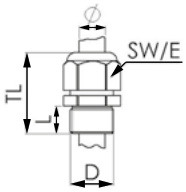
1.) Only brass body
2.) Only stainless steel body

DTS 1000759623 EN Version: A Status: RL (released | freigegeben | valide) printed: 10.11.2026

6. Product accessories

6.1. Cable glands for ATEX/IECEX variant with terminal connection box

Note:
A polyamide cable gland is included in the scope of delivery. A nickel-plated brass cable gland can be ordered at an additional cost, see chapter "7.5. Ordering chart accessories" on page 17.

Description	Ex approval		Dimensions	
	Certificate	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

6.2. Special tool to turn the terminal connection box

Note:
This special tool is not included in the scope of delivery of the valve, see chapter "7.5. Ordering chart accessories" on page 17.

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

DTS 1000759623 EN Version: A Status: RL (released | freigegeben | valide) printed: 10.11.2026

6.3. Additional options

Option	Variable code	Description
Valve function (NC/NO) changeable	NM01	The valve function (NC/NO) can be changed by rotating the pilot valve.
With manual override	HA04	The valve is equipped with a manual override.
Adjustable opening and closing times	MF26 (only DN 13) MF27 (DN 20... DN 50)	MF26: The valve is equipped with a throttling screw that allows the closing time to be adjusted individually. MF27: The valve is equipped with throttling screws that allow the opening and closing times to be adjusted individually.
Impulse variant	CF02	Bistable magnetic system with inrush and drop-off coil; continuous operation or operation with short current pulses (min. 150 ms) possible
Oxygen variant, free of oil, grease and silicone	NL02	The valve has been cleaned and is suitable for applications with oxygen (non-metallic, wetted materials have been tested).
Increased purity requirements, free of oil, grease and silicone	NL05	Wetted parts are specially cleaned and the valves are packaged accordingly (not applicable for seal material EPDM).
Increased purity requirements, silicone-free	NL50	Components are ultrasonically cleaned and silicone-free.
Electrical position feedback indicator as a micro switch with changeover contact	LF03	See **Type 1060** ▶. Function as opener, closer or toggle switch depending on the connection (no IP65 achievable)
Electrical position feedback indicator as inductive proximity switch	CF11 CF15 CF22	Coil with intrinsically safe proximity switch as normally closed contact (PTB 00 ATEX 2048X) instead of manual override CF11: 5 meter cable CF15: 2 meter cable CF22: M12 plug contact
Kick and Drop coil	CZ05	Kick and Drop coil: Plug variant with 60 W inrush power and 3 W holding power Cable variant with 40 W inrush power and 3 W holding power
Approvals	PD01	CSA general purpose valve
	PD02	UR (UL Recognized)/CSA
	PD07	DNV (formerly Germanischer Lloyd)
	PE94	UR (UL Recognized)
	PE95	UL (UL Listed) approval
	PF43	Certified for drinking water according to EU DWD 2020/2184/EU up to + 60 °C warm water
	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
	PU09	Coil UL Recognised for USA and Canada cURus
	PU15	UL Listed for Hazardous Locations for the 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, T_{amb} - 40 °C...+ 60 °C, single and block mounting
	PY03	Korean Ex approval KOSHA
	PY11	Ex Approval China; CCC
Possible conformities (depending on the assembly)	PL03	The devices are suitable for use with food. Wetted materials are FDA compliant.

DTS 1000759623 EN Version: A Status: RL (released | freigegeben | valide) printed: 10.11.2026

7. Ordering information

7.1. Bürkert eShop

Bürkert eShop – Easy ordering and quick delivery

Want to find the Bürkert product or spare part you need quickly and order directly? Our online shop is available for you 24/7. Sign up and enjoy all the benefits.

Order online now

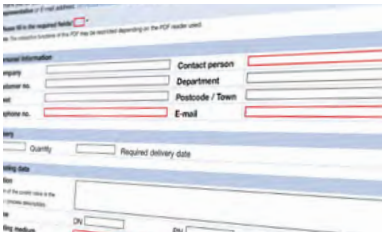
7.2. Bürkert product filter

Bürkert product filter – Find the right product quickly

Want to select products conveniently 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

7.3. Bürkert Product Enquiry Form



Bürkert Product Enquiry Form – Create a quick and compact enquiry

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

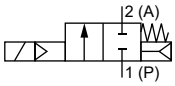
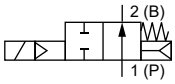
Fill out the form now

DTS 1000759623 EN Version: A Status: RL (released | freigegeben | valide) printed: 10.11.2026

7.4. Ordering chart

UL Recognized & CSA approval – Brass body

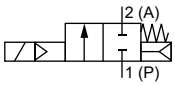
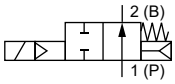
Note:
The cable plug is not included in the scope of delivery and must be ordered separately. Further information can be found in chapter "Cable plug Type 2518, form A according to DIN EN 175301-803" on page 17 or data sheet **Type 2518** ▶.

Circuit function	Port connection	Orifice	C_v value water [1.) 2.)]	Pressure range [3.)]	Weight	Article no.			
						024/DC	024/50...60	120/60	240/60
		[mm]	[gal/min]	[psi]	[lb]	[V/Hz]	[V/Hz]	[V/Hz]	[V/Hz
With internal threaded connection, without manual override, without cable plug, seal material NBR, pressure range 3...232 psi									
CF A 2/2-way solenoid valve Servo-assisted Normally closed 	NPT ½	13.0	4.4	3...232	1.8	o. r.	o. r.	o. r.	o. r.
	NPT ¾	20.0	9.8	3...232	2.7	o. r.	o. r.	o. r.	o. r.
	NPT 1	25.0	15	3...232	3.5	o. r.	o. r.	o. r.	o. r.
	NPT 1¼	25.0	15	3...232	3.8	o. r.	o. r.	o. r.	o. r.
	NPT 1½	40.0	39.3	3...232	8.4	o. r.	o. r.	o. r.	o. r.
	NPT 2	50.0	46.2	3...232	11.4	o. r.	o. r.	o. r.	o. r.
CF B 2/2-way solenoid valve Servo-assisted Normally open 	NPT ½	13.0	4.4	3...232	1.8	o. r.	o. r.	o. r.	o. r.
	NPT ¾	20.0	9.8	3...232	2.7	o. r.	o. r.	o. r.	o. r.
	NPT 1	25.0	15	3...232	3.5	o. r.	o. r.	o. r.	o. r.
	NPT 1¼	25.0.0	15	3...232	3.8	o. r.	o. r.	o. r.	o. r.
	NPT 1½	40.0	39.3	3...232	8.4	o. r.	o. r.	o. r.	o. r.
	NPT 2	50.0	46.2	3...232	11.4	o. r.	o. r.	o. r.	o. r.

o. r. = on request
1.) Measurement at + 60 °F, 1 psi [2.)] at the valve inlet and free outlet
2.) A pressure difference of 7.5 psi is required to open the full cross-section.
3.) Pressure data: overpressure to atmospheric pressure

UL Recognized & CSA approval – Stainless steel body

Note:
The cable plug is not included in the scope of delivery and must be ordered separately. Further information can be found in chapter "Cable plug Type 2518, form A according to DIN EN 175301-803" on page 17 or data sheet **Type 2518** ▶.

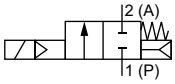
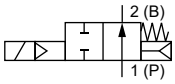
Circuit function	Port connection	Orifice	C_v value water [1.) 2.)]	Pressure range [3.)]	Weight	Article no.			
						024/DC	024/50...60	120/60	240/60
		[mm]	[gal/min]	[psi]	[lb]	[V/Hz]	[V/Hz]	[V/Hz]	[V/Hz
With internal threaded connection, without manual override, without cable plug, seal material FKM, pressure range 3...174 psi									
CF A 2/2-way solenoid valve Servo-assisted Normally closed 	NPT ½	13.0	4.4	3...174	1.8	o. r.	o. r.	o. r.	o. r.
	NPT ¾	20.0	9.8	3...174	2.7	o. r.	o. r.	o. r.	o. r.
	NPT 1	25.0	15	3...174	3.5	o. r.	o. r.	o. r.	o. r.
	NPT 1¼	25.0	15	3...174	3.8	o. r.	o. r.	o. r.	o. r.
	NPT 1½	40.0	39.3	3...174	8.4	o. r.	o. r.	o. r.	o. r.
	NPT 2	50.0	46.2	3...174	11.4	o. r.	o. r.	o. r.	o. r.
CF B 2/2-way solenoid valve Servo-assisted Normally open 	NPT ½	13.0	4.4	3...174	1.8	o. r.	o. r.	o. r.	o. r.
	NPT ¾	20.0	9.8	3...174	2.7	o. r.	o. r.	o. r.	o. r.
	NPT 1	25.0	15	3...174	3.5	o. r.	o. r.	o. r.	o. r.
	NPT 1¼	25.0	15	3...174	3.8	o. r.	o. r.	o. r.	o. r.
	NPT 1½	40.0	39.3	3...174	8.4	o. r.	o. r.	o. r.	o. r.
	NPT 2	50.0	46.2	3...174	11.4	o. r.	o. r.	o. r.	o. r.

o. r. = on request
1.) Measurement at + 60 °F, 1 psi [2.)] at the valve inlet and free outlet
2.) A pressure difference of 7.5 psi is required to open the full cross-section.
3.) Pressure data: overpressure to atmospheric pressure

DTS 1000759623 EN Version: A Status: RL (released | freigegeben | valide) printed: 10.11.2026

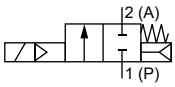
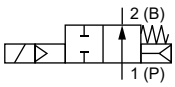
UL Listed – Brass body

Note:
The cable plug Type 2509 is included at the UL Listed variants. Further information can be found in chapter "Cable plug Type 2509, form A according to DIN EN 175301-803" on page 17 or data sheet **Type 2509** ▶

Circuit function	Port connection	Orifice	C_v value water [1.) 2.)]	Pressure range [3.)]	Weight	Article no.			
						024/DC	024/50...60	120/60	240/60
		[mm]	[gal/min]	[psi]	[lb]	[V/Hz]	[V/Hz]	[V/Hz]	[V/Hz
With internal threaded connection, without manual override, without cable plug, seal material NBR, pressure range 3...232 psi									
CF A 2/2-way solenoid valve Servo-assisted Normally closed 	NPT ½	13.0	4.4	3...232	1.8	o. r.	o. r.	o. r.	o. r.
	NPT ¾	20.0	9.8	3...232	2.7	o. r.	o. r.	o. r.	o. r.
	NPT 1	25.0	15	3...232	3.5	o. r.	o. r.	o. r.	o. r.
	NPT 1¼	25.0	15	3...232	3.8	o. r.	o. r.	o. r.	o. r.
	NPT 1½	40.0	39.3	3...232	8.4	o. r.	o. r.	o. r.	o. r.
	NPT 2	50.0	46.2	3...232	11.4	o. r.	o. r.	o. r.	o. r.
CF B 2/2-way solenoid valve Servo-assisted Normally open 	NPT ½	13.0	4.4	3...232	1.8	o. r.	o. r.	o. r.	o. r.
	NPT ¾	20.0	9.8	3...232	2.7	o. r.	o. r.	o. r.	o. r.
	NPT 1	25.0	15	3...232	3.5	o. r.	o. r.	o. r.	o. r.
	NPT 1¼	25.0	15	3...232	3.8	o. r.	o. r.	o. r.	o. r.
	NPT 1½	40.0	39.3	3...232	8.4	o. r.	o. r.	o. r.	o. r.
	NPT 2	50.0	46.2	3...232	11.4	o. r.	o. r.	o. r.	o. r.

o. r. = on request
1.) Measurement at + 60 °F, 1 psi [2.)] at the valve inlet and free outlet
2.) A pressure difference of 7.5 psi is required to open the full cross-section.
3.) Pressure data: overpressure to atmospheric pressure

UL Listed – Stainless steel body

Circuit function	Port connection	Orifice	C_v value water [1.) 2.)]	Pressure range [3.)]	Weight	Article no.			
						024/DC	024/50...60	120/60	240/60
		[mm]	[gal/min]	[psi]	[lb]	[V/Hz]	[V/Hz]	[V/Hz]	[V/Hz
With internal threaded connection, without manual override, without cable plug, seal material FKM, pressure range 3...174 psi									
CF A 2/2-way solenoid valve Servo-assisted Normally closed 	NPT ½	13.0	4.4	3...174	1.8	o.r.	o.r.	o.r.	o.r.
	NPT ¾	20.0	9.8	3...174	2.7	o.r.	o.r.	o.r.	o.r.
	NPT 1	25.0	15	3...174	3.5	o.r.	o.r.	o.r.	o.r.
	NPT 1¼	25.0	15	3...174	3.8	o.r.	o.r.	o.r.	o.r.
	NPT 1½	40.0	39.3	3...174	8.4	o.r.	o.r.	o.r.	o.r.
	NPT 2	50.0	46.2	3...174	11.4	o.r.	o.r.	o.r.	o.r.
CF B 2/2-way solenoid valve Servo-assisted Normally open 	NPT ½	13.0	4.4	3...174	1.8	o.r.	o.r.	o.r.	o.r.
	NPT ¾	20.0	9.8	3...174	2.7	o.r.	o.r.	o.r.	o.r.
	NPT 1	25.0	15	3...174	3.5	o.r.	o.r.	o.r.	o.r.
	NPT 1¼	25.0	15	3...174	3.8	o.r.	o.r.	o.r.	o.r.
	NPT 1½	40.0	39.3	3...174	8.4	o.r.	o.r.	o.r.	o.r.
	NPT 2	50.0	46.2	3...174	11.4	o.r.	o.r.	o.r.	o.r.

o. r. = on request
1.) Measurement at + 60 °F, 1 psi [2.)] at the valve inlet and free outlet
2.) A pressure difference of 7.5 psi is required to open the full cross-section.
3.) Pressure data: overpressure to atmospheric pressure

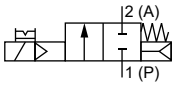
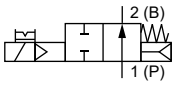
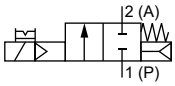
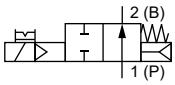
DTS 1000759623 EN Version: A Status: RL (released | freigegeben | valide) printed: 10.11.2026

Explosion-proof variant – Coil UL Listed (cULus) for hazardous locations, Class I, Division 2

Brass body with internal threaded connection

Note:

- Max. switching frequency 20/min at max. medium temperature 158 °F and max. ambient temperature 104 °F
- Max. switching frequency 5/min at max. medium temperature 194 °F and max. ambient temperature 131 °F

Circuit function	Port connection	Orifice	C_V value water [1.) 2.)]	Pressure range [3.)]	Weight	Article no.	
						024 AC/DC	120/60
		[mm]	[gal/min]	[psi]	[lb]	[V/Hz]	[V/Hz]
With internal threaded connection, with manual override and terminal connection box, seal material FKM							
CF A 2/2-way solenoid valve Servo-assisted, with manual override Normally closed 	NPT ½	13.0	4.4	3...174	1.8	o. r.	o. r.
	NPT ¾	20.0	9.8	3...174	2.7	o. r.	o. r.
	NPT 1	25.0	15	3...174	3.5	o. r.	o. r.
	NPT 1¼	25.0	15	3...174	3.8	o. r.	o. r.
	NPT 1½	40.0	39.3	3...174	8.4	o. r.	o. r.
	NPT 2	50.0	46.2	3...174	11.4	o. r.	o. r.
CF B 2/2-way solenoid valve Servo-assisted, with manual override Normally open 	NPT ½	13.0	4.4	3...174	1.8	o. r.	o. r.
	NPT ¾	20.0	9.8	3...174	2.7	o. r.	o. r.
	NPT 1	25.0	15	3...174	3.5	o. r.	o. r.
	NPT 1¼	25.0	15	3...174	3.8	o. r.	o. r.
	NPT 1½	40.0	39.3	3...174	8.4	o. r.	o. r.
	NPT 2	50.0	46.2	3...174	11.4	o. r.	o. r.
With internal threaded connection, with manual override and cable outlet, cable 3 m, seal material NBR							
CF A 2/2-way solenoid valve Servo-assisted, with manual override Normally closed 	NPT ½	13.0	4.4	3...232	1.8	o. r.	o. r.
	NPT ¾	20.0	9.8	3...232	2.7	o. r.	o. r.
	NPT 1	25.0	15	3...232	3.5	o. r.	o. r.
	NPT 1¼	25.0	15	3...232	3.8	o. r.	o. r.
	NPT 1½	40.0	39.3	3...232	8.4	o. r.	o. r.
	NPT 2	50.0	46.2	3...232	11.4	o. r.	o. r.
CF B 2/2-way solenoid valve Servo-assisted, with manual override Normally open 	NPT ½	13.0	4.4	3...232	1.8	o. r.	o. r.
	NPT ¾	20.0	9.8	3...232	2.7	o. r.	o. r.
	NPT 1	25.0	15	3...232	3.5	o. r.	o. r.
	NPT 1¼	25.0	15	3...232	3.8	o. r.	o. r.
	NPT 1½	40.0	39.3	3...232	8.4	o. r.	o. r.
	NPT 2	50.0	46.2	3...232	11.4	o. r.	o. r.

DTS 1000759623 EN Version: A Status: RL (released | freigegeben | valide) printed: 10.11.2026

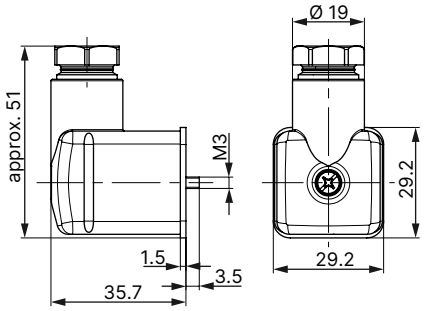
Further variants on request			
Additionally Manual override		**Process connection** NPT	
Approval Further information can be found in chapter "3. Approvals and conformities" on page 4.		**Voltage** Further voltages	
Material Seal material: NBR, EPDM, FKM		**Control function/Circuit function** Further information can be found in chapter "2. Circuit functions" on page 4.	

7.5. Ordering chart accessories

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

Note:

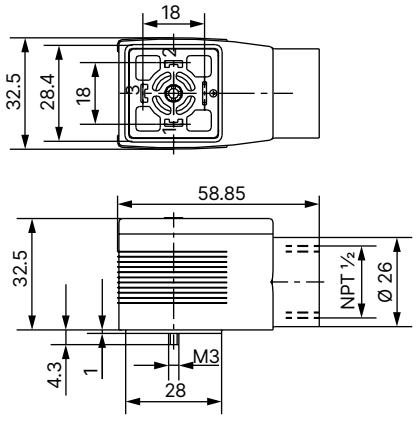
- Dimensions in mm
- For further variants see data sheet **Type 2518** ▶.

Cable plug	Dimensions	Variant	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
		Without circuitry (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
- The cable plug Type 2509 meets the requirements of UL hazloc Div. 2.
- The cable plug Type 2509 meets the requirements of UL Listed (UL 429) in assembly with a Bürkert solenoid valve.
- Further information on cable plug can be found in the data sheet **Type 2509** ▶.

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

DTS 1000759623 EN Version: A Status: RL (released | freigegeben | valide) printed: 10.11.2026

Accessory for ATEX/IECEX variant with terminal connection box

Note:

- A polyamide cable gland is included in the scope of delivery. A nickel-plated brass cable gland can be ordered at an additional cost.
- Further information on Ex cable glands can be found in the chapter "6.1. Cable glands for ATEX/IECEX variant with terminal connection box" on page 11.
- Further information on special tool can be found in the chapter "6.2. Special tool to turn the terminal connection box" on page 11.

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

DTS 1000759623 EN Version: A Status: RL (released | freigegeben | valide) printed: 10.11.2026