DATA SHEET

Type 0330

bürkert
FLUID CONTROL SYSTEMS









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

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

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

Can be combined with



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



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



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

Type description

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

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

© Christian Bürkert GmbH & Co. KG, Subject to alteration

Visit product website ▸

Table of contents

1. General technical data 3

2. Circuit functions 4

3. Materials 5

3.1. Chemical Resistance Chart – Bürkert resistApp ... 5
3.2. Material specifications ... 5

4. Dimensions 6

4.1. Standard version ... 6
Metal housing ... 6
Plastic housing ... 7
Cable version ... 8
4.2. Explosion-proof version ... 9
Terminal box version ... 9
Cable version ... 10

5. Device/Process connections 11

5.1. Pin assignment standard version ... 11
5.2. Pin assignment explosion-proof version ... 11

6. Performance specifications 12

6.1. Pressure range and flow rate ... 12
Standard version ... 12
Explosion-proof version ... 13
Use in other circuit functions ... 13

7. Product accessories 14

7.1. Accessories standard version ... 14
7.2. Accessories explosion-proof version ... 15
7.3. Cable glands for ATEX/IECEx terminal box ... 15
7.4. Special tool to turn the terminal box ... 15

8. Ordering information 16

8.1. Bürkert eShop – Easy ordering and quick delivery ... 16
8.2. Bürkert product filter ... 16
8.3. Ordering chart ... 16
Standard version ... 16
Explosion-proof version ... 18
8.4. Ordering chart accessories ... 19
Cable plug Type 2518, form A according to DIN EN 175301-803 ... 19
Cable glands for ATEX/IECEx terminal box ... 19
Mounting plate cpl. for DIN rail mounting ... 19
Locking ring ... 19

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

1. General technical data

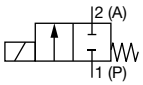
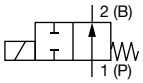
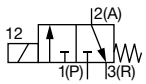
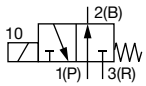
Product properties	
Dimensions	Detailed information can be found in chapter "4. Dimensions" on page 6.
Material	
Seal	EPDM / FKM / FFKM / NBR
Body	Brass Stainless steel (1.4401) PP (Polypropylene) PVDF (on request)
Material resistance	More detailed information can be found in our resistance table, "3.1.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

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

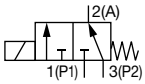
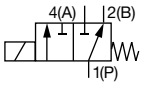
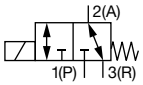
Medium data	
Operating medium	
With NBR	Neutral medium such as compressed air, town gas, water, hydraulic oil, oils and fats without additives, oxygen
With EPDM	Alkalis, acids to medium concentrations, alkaline washing and bleaching lyes
With FKM	Oxydizing acids and substances, hot oils with additives, salt solutions, waste gases, oxygen
With FFKM	Aggressive mediums, hot air, hot oils
Medium temperature	
With body material brass or stainless steel	NBR: 0 °C…+80 °C EPDM: -30 °C…+90 °C FKM: 0 °C…+90 °C FFKM: +5 °C…+90 °C
With body material PP	NBR: 0 °C…+80 °C EPDM: -30 °C…+80 °C FKM: 0 °C…+80 °C FFKM: +5 °C…+80 °C
Viscosity	Max. 37 mm^2/s
Process/Port connection & communication	
Electrical connection	
Standard version	Pin terminal acc. to DIN EN 175301-803 form A for cable pug Type 2518/2509 (also on request with moulded cable)
Explosion-proof version	Moulded cable (for more detailed information, refer to the operating manual ACP016), terminal box without safety fuse
Port connection	G ¼, NPT ¼, (RC ¼ and G ⅛ on request, G ⅛ not possible for PP)
Approvals and certificates	
Standard version	
Degree of protection	IP65 with cable plug
Explosion-proof version	
Degree of protection	IP65
Type of protection	II 2 G Ex mb IIC T4 Gb II 2 D EX mb IIIC T130° Db
Certificate	EPS 16 ATEX 1 111 X IECEx EPS 16.0049X
Environment and installation	
Installation position	As required, preferably with actuator upright
Ambient temperature	
Standard version	Max. +55 °C
Explosion-proof version	Max. +55 °C

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

2. Circuit functions

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

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

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

3. Materials

3.1. Chemical Resistance Chart – Bürkert resistApp

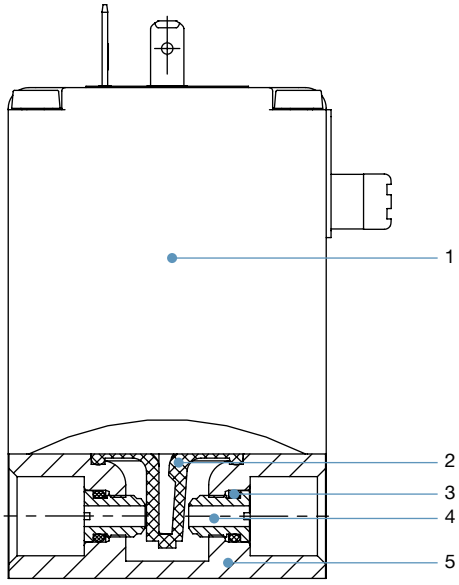


Bürkert resistApp – Chemical Resistance Chart

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

Start Chemical Resistance Check

3.2. Material specifications



No.	Element	Material
1	Coil	Epoxy
2	Diaphragm	EPDM, FKM, FFKM, NBR
3	O-ring	EPDM, FKM, FFKM, NBR
4	Seat	Brass Stainless steel (1.4401) PP (Polypropylene)
5	Valve body	Brass Stainless steel (1.4401) PP (Polypropylene)

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

4. Dimensions

4.1. Standard version

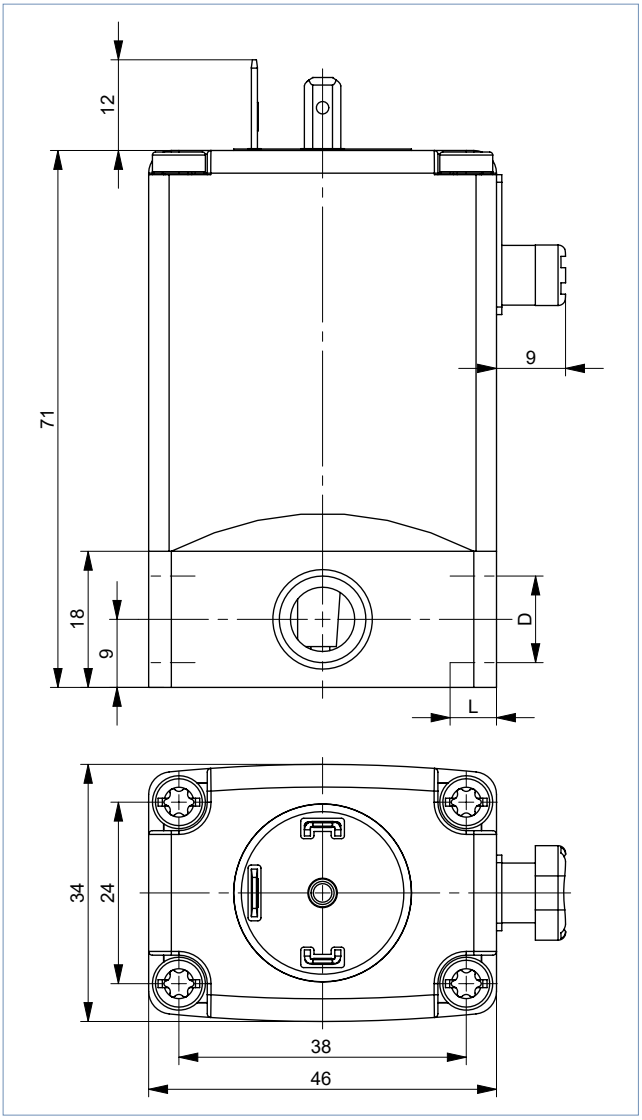
General notes:

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

Metal housing

Note:

- Dimensions in mm
- For metal housings, the minimum thread length at the middle connection is 7.5 mm.
- Screw-in depth of G ¼ connection threads: When using pipe fittings, select versions with G ⅛, as the screw-in depth with G ¼ is not sufficient.
- See the general notes at the beginning of chapter "4.1. Standard version" on page 6.



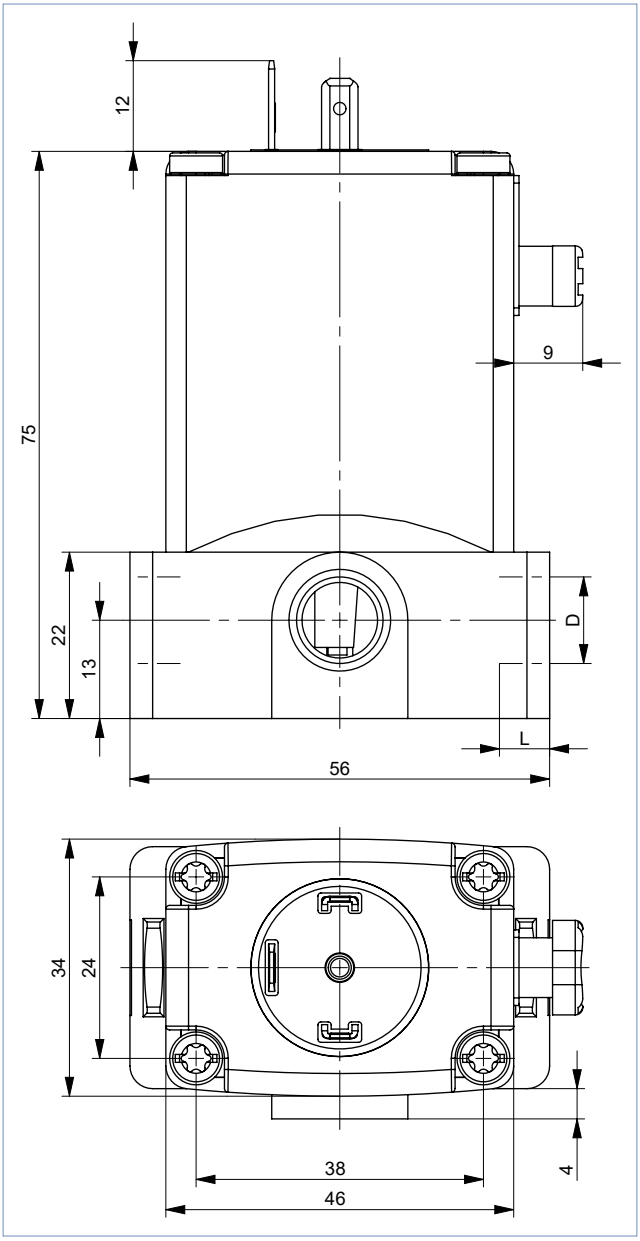
D1	L1	D2	L2
G ⅛	9	–	–
G ¼	9	NPT ¼	7.5

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

Plastic housing

Note:

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



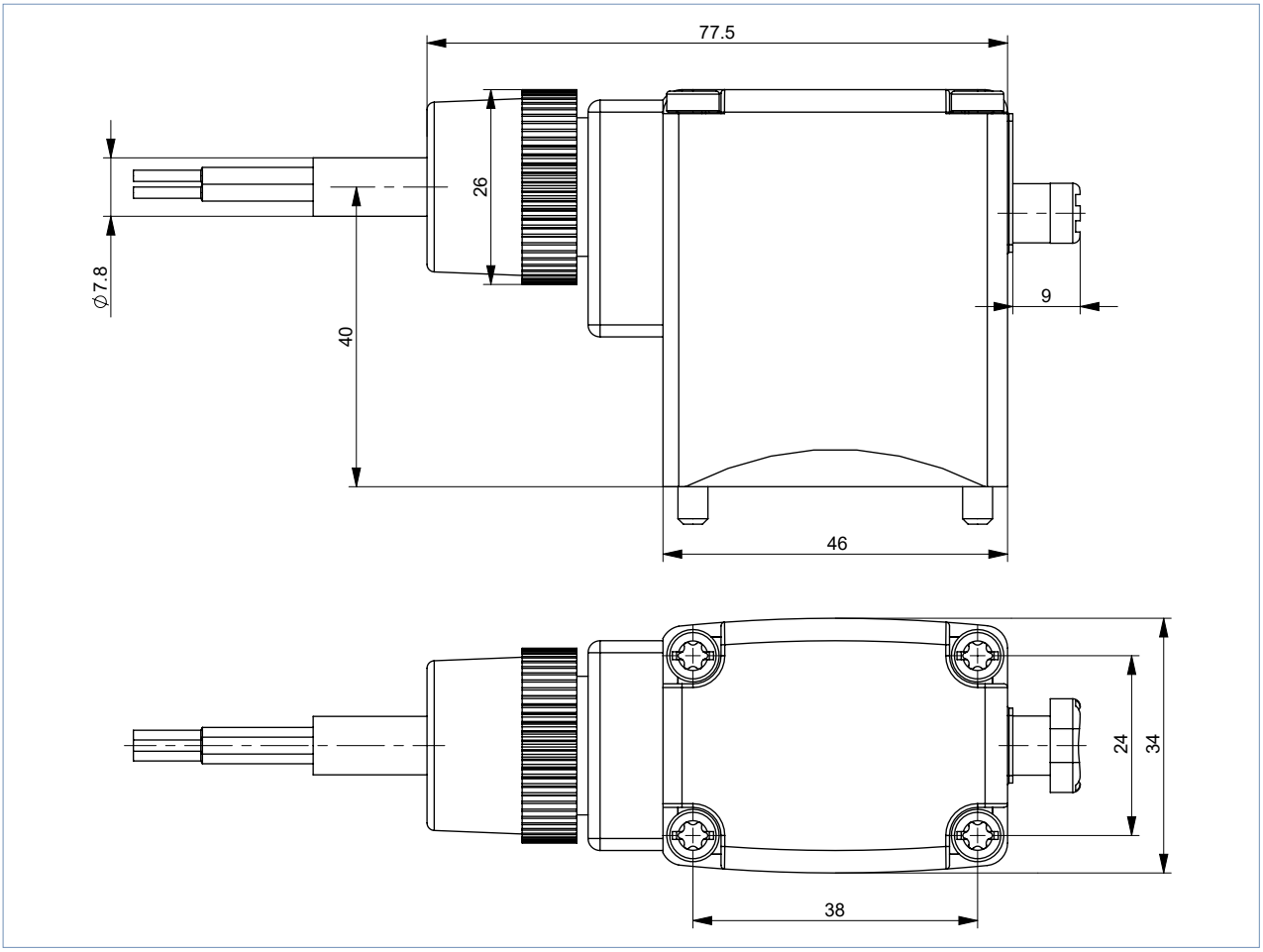
D	L
G ¼	12
NPT ¼	11

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

Cable version

Note:

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



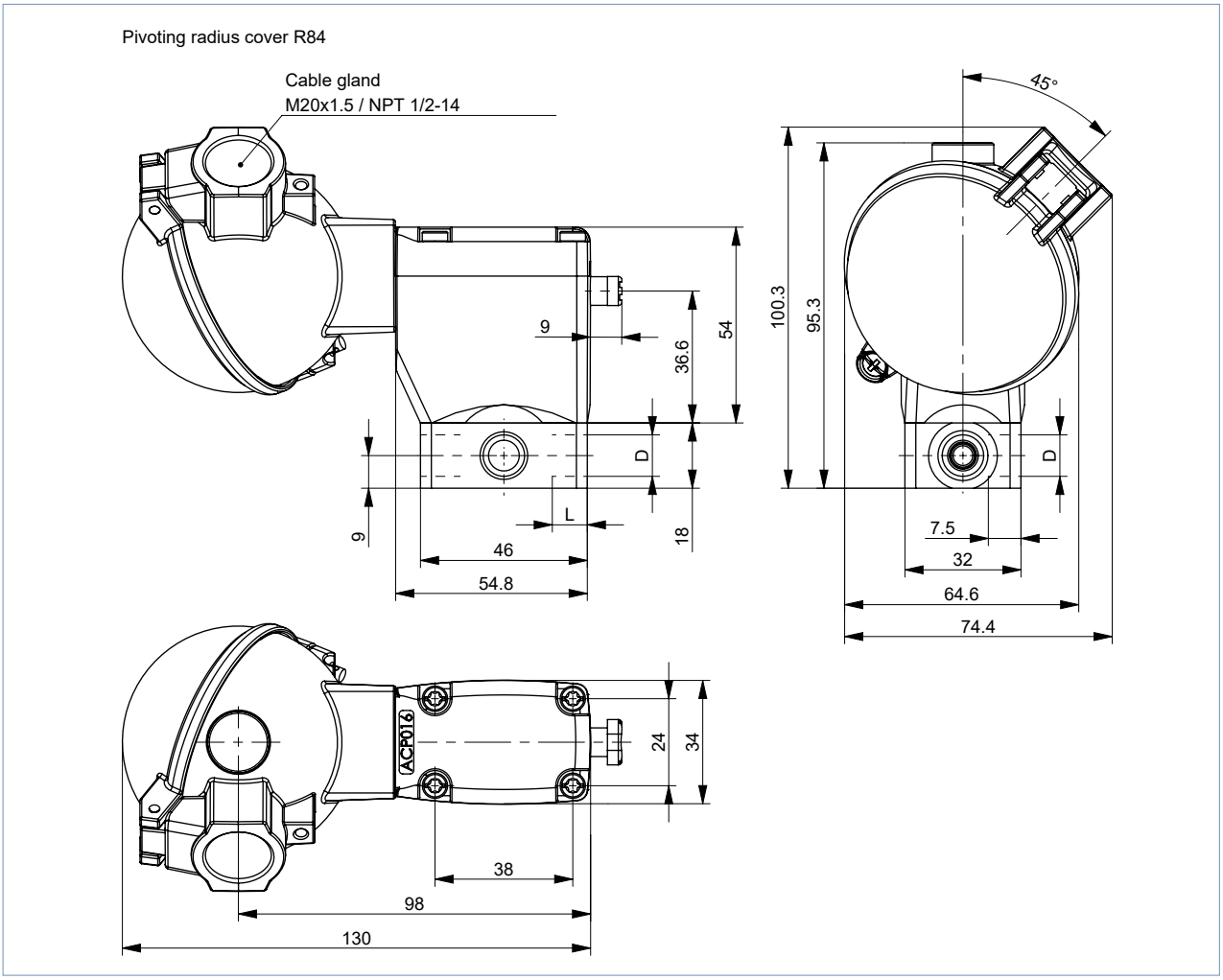
DTS 1000079488 EN Version: Z Status: RL (released | freigegeben | validé) printed: 14.08.2023

4.2. Explosion-proof version

Terminal box version

Note:

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

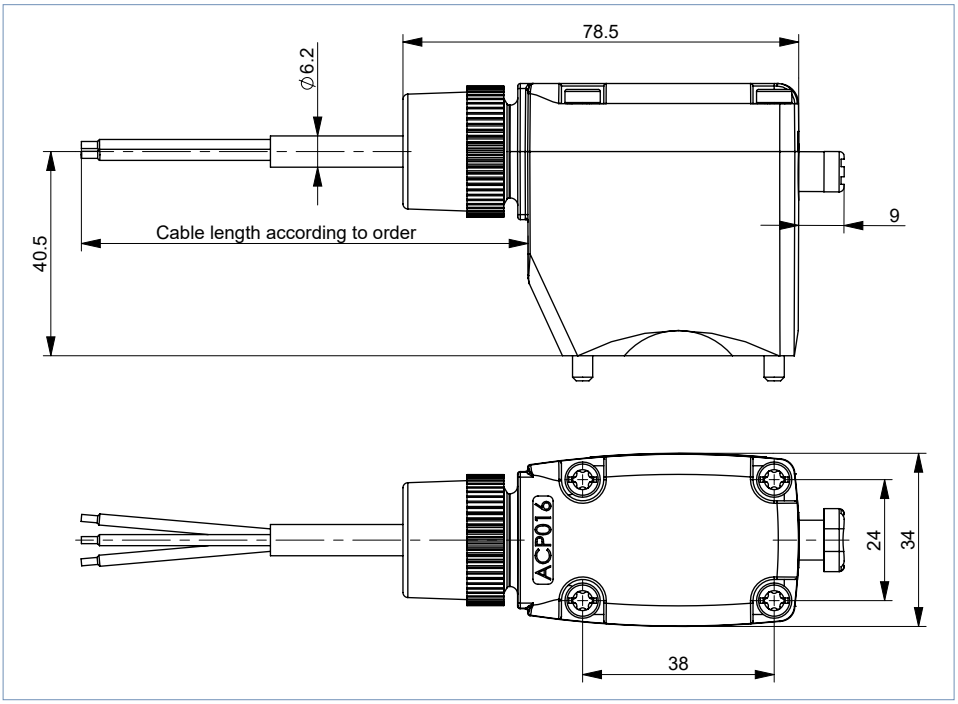


D1	L1	D2	L2
G ⅛	9	–	–
G ¼	9	NPT ¼	7.5

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

Cable version

Note:
Dimensions in mm

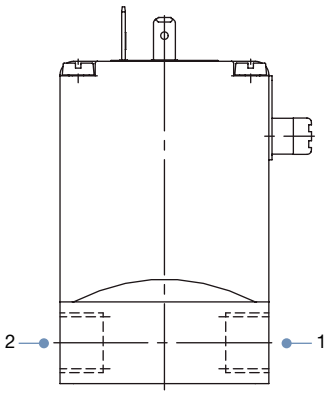
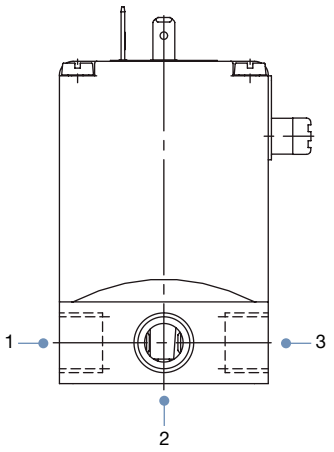


DTS 1000079488 EN Version: Z Status: RL (released | freigegeben | validé) printed: 14.08.2023

5. Device/Process connections

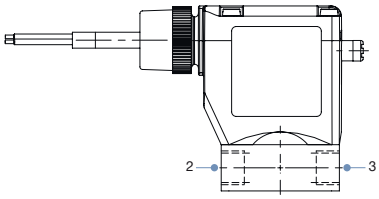
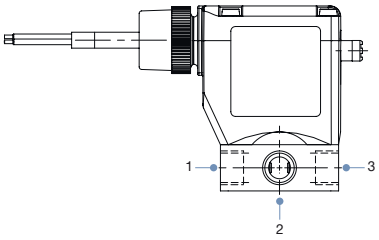
5.1. Pin assignment standard version

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

Circuit function	Connection 1	Connection 2	Connection 3	2-way	3-way
A	P	A	–		
B	B	P	–		
C	P	A	R		
D	R	B	P		
E	P1	A	P2		
F	A	P	B		
T	NC	I_N/OUT	NO		

5.2. Pin assignment explosion-proof version

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

Circuit function	Connec-tion 1	Connec-tion 2	Connec-tion 3	2-way	3-way
A	P	A	–		
B	B	P	–		
C	P	A	R		
D	R	B	P		
E	P1	A	P2		
F	A	P	B		
T	NC	I_N/OUT	NO		

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

6. Performance specifications

6.1. Pressure range and flow rate

Standard version

Note:
Refer to **"Use in other circuit functions" on page 13** for more information about use in other circuit function.

Circuit function	DN	K_V value water[1.]		Pressure range[2.]		
		DC	AC (50 or 60 Hz)	Standard[3.]	Vacuum[4.]	Impulse[5.]
		[m³/h]	[m³/h]	[bar]	[bar]	[bar]
Metal body						
A / B / C / D / F	2.0	0.08	0.11	0…16[6.]	-0.98…10	0…16[6.]
	3.0	0.14	0.18	0…10	-0.98…6	0…10
	4.0	0.17	0.23	0…5	-0.98…3	0…5
	5.0	0.29	0.29	0…2.5	-0.98…1	0…2.5
E	2.0	0.08	0.11	0…10	-0.98…8	0…10
	3.0	0.14	0.18	0…6	-0.98…5	0…6
	4.0	0.17	0.23	0…3	-0.98…2.5	0…3
	5.0	0.29	0.29	0…1.5	-0.98…1	0…1
T	2.0	0.08	0.11	0…12	-0.98…8	0…10
	3.0	0.14	0.18	0…8	-0.98…5	0…6
	4.0	0.17	0.23	0…4	-0.98…2.5	0…5
	5.0	0.29	0.29	0…2.5	-0.98…1	–

Circuit function	DN	K_V value water[7.]	Pressure range[2.]			
			Standard[3.] AC [50 or 60 Hz]	Standard[3.] DC	Vacuum[4.]	Impulse[5.]
		[m³/h]	[bar]	[bar]	[bar]	[bar]
Plastic body						
A / B / C / D / F	2.0	0.13	0…16[6.] [8.]	0…12[8.]	-0.98…10	0…12[8.]
	3.0	0.25	0…10	0…8	-0.98…6	0…8
	4.0	0.30	0…5	0…4	-0.98…3	0…4
	5.0	0.40	0…4.5	0…3	-0.98…1	0…3
E / T	2.0	0.13	0…10	0…7	-0.98…7	0…7
	3.0	0.25	0…6	0…4	-0.98…5	0…4
	4.0	0.30	0…3	0…2	-0.98…2.5	0…2
	5.0	0.40	0…2	0…1	-0.98…0.5	0…1

1.) For frequency 56, the K_V values of the DC version apply
2.) Pressure data: Measured as overpressure to the atmospheric pressure (deviating pressure range for 5 W version)
3.) Heat output 8 W
4.) Vacuum possible for all seal materials
5.) Starting power 11 W
6.) For seal material FKM and FFKM the max. medium pressure is 12 bar
7.) At frequency DC the K_V value is reduced till 10 % to fulfil the function
8.) For material PVDF industry grade the maximum operating pressure is 10 bar

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

Explosion-proof version

Note:
Refer to "Use in other circuit functions" on page 13 for more information about use in other circuit function.

Circuit function	DN	K_v value water	Pressure range[1.) 2.)]	
			Standard	Vacuum
		[m³/h]	[bar]	[bar]
Metal body				
A / B / C / D / F	2.0	0.11	0…16	-0.98…10
	3.0	0.18	0…10	-0.98…6
	4.0	0.23	0…5	-0.98…3
	5.0	0.29	0…4	-0.98…2.5
E	2.0	0.11	0…10	-0.98…8
	3.0	0.18	0…6	-0.98…5
	4.0	0.23	0…3.5	-0.98…2.5
	5.0	0.29	0…3	-0.98…2
T	2.0	0.11	0…10	-0.98…8
	3.0	0.18	0…6	-0.98…5

1.) Devices with FKM or FFKM diaphragm are reduced to a max. pressure of 12 bar.
2.) Pressure data: Measured as overpressure to the atmospheric pressure

Circuit function	DN	K_v value water	Pressure range[1.) 2.)]	
			Standard	Vacuum
		[m³/h]	[bar]	[bar]
Plastic body				
A / B / C / D / F	2.0	0.13	0…16[3.)]	-0.98…10
	3.0	0.25	0…10	-0.98…6
	4.0	0.30	0…5	-0.98…3
	5.0	0.40	0…4.5	-0.98…1
E / T	2.0	0.13	0…10	-0.98…7
	3.0	0.25	0…6	-0.98…5
	4.0	0.30	0…3	-0.98…2.5

1.) Devices with FKM or FFKM diaphragm are reduced to a max. pressure of 12 bar.
2.) Pressure data: Measured as overpressure to the atmospheric pressure
3.) For material PVDF industry grade the maximum operating pressure is 10 bar

Use in other circuit functions

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

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

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

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

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

7. Product accessories

7.1. Accessories standard version

Option	Variable Code	Description
Impulse version	CF02	Bistable magnetic system with inrush and drop-off coil; continuous operation or operation with short current pulses (min. 150 ms) possible
Oxygen versions	NL02	Suitable for applications with oxygen (non-metal materials that are in contact with the medium, are tested and approved according to BAM)
Increased purity requirements e.g. oil, grease and silicone-free	NL50/ NL05	Wetted parts are specially cleaned and packaged in accordance with the valves
Increased tightness requirements	PCxx	Standard units are tested at 10^{-2} mbar x l/sec; feasible up to 10^{-6} mbar
Electrical feedback	LF02/ LF03	See **Type 1060** ▶. Function as opener, closer or toggle switch depending on the connection (no IP65 achievable)
High-power electronics	CZ05	Inrush power 60 W, nominal holding current 3 W; with plastic versions 100 % duty cycle is now feasible
Vacuum version	NA02	Suitable for vacuums up to -0.98 bar
Increased purity and tightness requirements	NA03	Wetted parts are specially cleaned and leak tested to 10^{-4} mbar x l/sec
Increased purity and tightness requirements and vacuum version	NA01	Wetted parts are specially cleaned and leak tested up to 10^{-4} mbar x l/sec and suited for vacuum up to -0.98 bar
Coil with reduced power (5 W)	–	Devices have lower pressure range; with plastic versions 100 % duty cycle is now feasible
Cable plug	JHxx/ JGxx/ JFxx	Cable plug is part of the delivery. Cable plug versions (acc. to DIN EN 175301-803 form A), see datasheet **Type 2518** ▶ and **Type 2509** ▶
Approvals	PD01	CSA General Purpose valve
	PD02	UR (UL-recognized)/CSA approval
	PD07	DNV-GL (formerly Germanischer Lloyd)
	PR05	cFMus approved coil Class I, Division 1, Groups A, B, C and D - T4 Class II, Division 1, Groups E, F and G - T4 Class III, Division 1 - T4 Class I, Zone 1, AEx mb IIC T4 Gb, Zone 21 AEx mb IIIC T130 C Db Ex mb IIC T4 Gb; Ex mb IIIC T130 C Db
	PE95	UL (UL-listed) approval
	PU15	UL listed for Hazardous Locations for USA and Canada, Class I, Zone 1, AEx eb mb IIC T4; Zone 21, AEx mb tb IIIC T130 °C / Class I, Div 2, Group A,B,C,D; Class II+III, Div 2, Group F,G
	PX41	EPS 16 ATEX 1111 X/IECEx EPS 16.0049X, 2G T4 IIC/2D T130 °C IIIC, Tamb -40 °C bis +60 °C, single and block mounting
Possible conformities (depending on the assembly)	–	EAC, drinking water, FDA

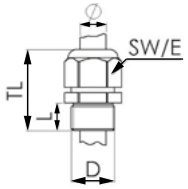
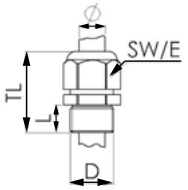
DTS 1000079488 EN Version: Z Status: RL (released | freigegeben | validé) printed: 14.08.2023

7.2. Accessories explosion-proof version

Option	Variable Code	Description
Oxygen versions	NL02	Suitable for applications with oxygen (non-metal materials that are in contact with the medium, are tested and approved according to BAM)
Increased purity requirements e.g. oil, grease and silicone-free	NL50/ NL05	Wetted parts are specially cleaned and packaged in accordance with the valves
Increased hermetic requirements	PCxx	Standard units are tested at 10^{-2} mbar x l / sec; feasible up to 10^{-6} mbar
Vacuum version	NA02	Suitable for vacuums up to -0.98 bar
Increased purity and hermetic requirements	NA03	Wetted parts are specially cleaned and leak tested to 10^{-4} mbar x l/sec
Increased purity and hermetic requirements and vacuum version	NA01	Wetted parts are specially cleaned and leak tested up to 10^{-4} mbar x l/sec and suited for vacuum up to -0.98 bar
Electrical feedback	CF15	Coil with intrinsically safe proximity switches (PTB 00 ATEX 2048X) instead of manual override

7.3. Cable glands for ATEX/IECEx terminal box

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

Description	Ex approvals		Dimensions	
	Certification	Identification		
Ex cable gland, Brass, nickel-plated, 6…13 mm 	PTB 04 ATEX 1112 X, IECEx PTB 13.0027X	II 2 G Ex e IIC Gb, II 2 D Ex tb IIIC Db IP68		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

7.4. Special tool to turn the terminal box

Note:
This special tool is not supplied with the valve, see "8.4. Ordering chart accessories" on page 19.

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

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

8. Ordering information

8.1. Bürkert eShop – Easy ordering and quick delivery



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.

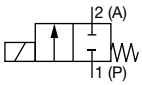
Try out our product filter

8.3. Ordering chart

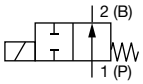
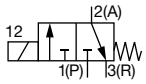
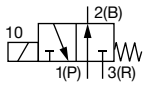
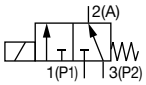
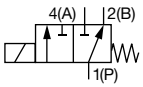
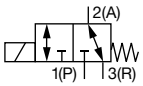
Standard version

Note:

- All devices with connection thread G ¼, manual override and cable plug **Type 2518** ▶.
- Other versions are available on request.
- Articles with reduced delivery time

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

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

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

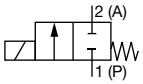
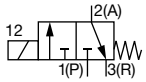
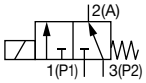
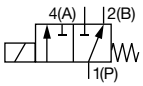
1.) The listed article numbers and circuit functions have a housing with straight pass.

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

Explosion-proof version

Note:

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

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

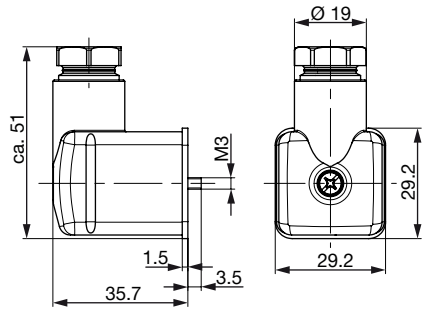
1.) The listed article numbers and circuit functions have a housing with straight pass.

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

8.4. Ordering chart accessories

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

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

Cable plug	Dimensions	Version	Voltage	Article no.
		Without circuitry (AC/DC)	0…250 V AC/DC	314802
		With LED (AC/DC)	12…24 V AC/DC	314812
		With LED and varistor (AC/DC)	12…24 V AC/DC	314820
		With rectifier, LED and varistor	12…24 V AC/DC	314816

Cable glands for ATEX/IECEx terminal box

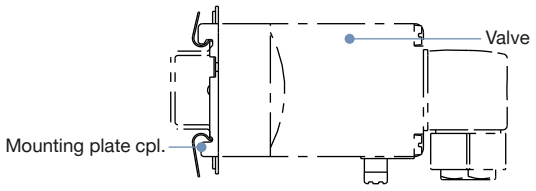
Note:

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

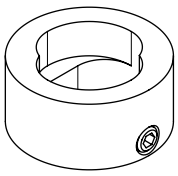
Description	Article no.
Ex cable gland, brass, nickel-plated, 6…13 mm[1.)]	773278
Ex cable gland, polyamide, 7…13 mm[1.)]	773277
Set SC02-AC10: Special wrench[2.)] incl. service manual	293488

1.) Cable diameter
2.) Not included in the scope of delivery of the valve

Mounting plate cpl. for DIN rail mounting

Description	Article no.
	013253

Locking ring

Description	Article no.
Locking ring to prevent inadvertent manual actuation 	013372

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

Bürkert – Close to You

For up-to-date addresses
please visit us at
www.burkert.com



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

Credits, © and concept: Christian Bürkert GmbH & Co. KG | Photographs: Marc Eggimann Fotografie - 4051 Basel | Scanner GmbH - Werbeagentur Künzelsau - 74653 Künzelsau