A hand in a grey long-sleeved shirt reaches out from the right side of the frame, touching the edge of a white, handle-less refrigerator door. The refrigerator is open, revealing its interior shelves and drawers. The kitchen is modern with white cabinetry and a light wood floor. In the background, there is a dining table with chairs and a large window overlooking a bright outdoor area.

SERVO-DRIVE flex

For electrical opening of
handle-less, integrated refrigerators

 **blum**[®]

Entirely handle-less kitchen design

In kitchens with minimalist, handle-less designs, integrated refrigerators, freezers and dishwashers can also now disappear stylishly behind furniture fronts. The SERVO-DRIVE flex electrical opening support system ensures easy opening.





Contents

- 04** Flexible application areas
- 06** Versatile applications
- 08** Intelligent functions
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- 20** SERVO-DRIVE flex for dishwashers
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Flexible options for use

Left or right opening, sliding or fixed door – regardless of the installation situation, SERVO-DRIVE flex can be used with standard integrated refrigerators, combination fridge/freezers, freezers and dishwashers.







Versatile applications

Various installation situations can be implemented with the SERVO-DRIVE flex electrical opening support system. The drive unit is suitable for various applications.



Each door in the combination fridge/freezer is fitted with a separate SERVO-DRIVE flex unit and can therefore be opened individually.



Large and heavy doors, e.g. freezer doors, open with two synchronised drive units reliably and at the same time.



An optional SERVO-DRIVE switch can be used to enlarge the trigger range for the fronts of refrigerators. Whichever part of the front is pressed, opening the door is always convenient.



If SERVO-DRIVE flex is used with integrated dishwashers, the drive unit is mounted in the centre of the installation recess.

Lean protection

SERVO-DRIVE flex differentiates between short pressing actions and longer leaning actions. The lean protection prevents accidental triggering of the opening support system.



Intelligent functions

SERVO-DRIVE flex is a well-conceived system which is designed specifically to suit the demands of everyday kitchen use. Thanks to the intelligent functions, handle-less integrated devices can be operated easily and conveniently.



Adaptive system

SERVO-DRIVE flex can be adapted to suit the door properties. This means the access gap is always the same size and the door can be opened reliably.



Automatic self-closing system

If the door is not fully opened after triggering the opening support system, the magnetic rod pulls the front shut again. This ensures that the door does not remain open accidentally.



Trigger safety

After opening, the rod retracts into the drive unit. The user's working area remains free because the opening function is not triggered again until pressure is applied to the front.

Easy assembly and installation



Attach mounting plate

Start by screwing in a mounting plate to both the left-hand and right-hand sides in the installation recess.



Clip on drive unit

The drive unit can be clipped onto the left or right mounting plate, depending on the door opening.



Connect power supply

The cabled SERVO-DRIVE flex unit is connected to the power supply.



Mount the front

The front can be clipped directly onto the mounting plates which have already been installed when the unit was mounted.



Synchronise the drive unit

During the reference run, the drive unit adjusts itself to the installation situation. SERVO-DRIVE flex is now ready for use.

SERVO-DRIVE flex is mounted easily and conveniently in just a few steps. If the drive unit needs to be accessed subsequently, the front of the installation recess can simply be unclipped.



View assembly film
www.blum.com/sdflex_videos

Other single applications for SERVO-DRIVE

In addition to SERVO-DRIVE flex, other single applications exist for the tried-and-tested easy-to-use SERVO-DRIVE system. For example, waste bin pull-outs or individual lift systems in wall cabinets can be fitted with an electrical system.



SERVO-DRIVE uno for AVENTOS

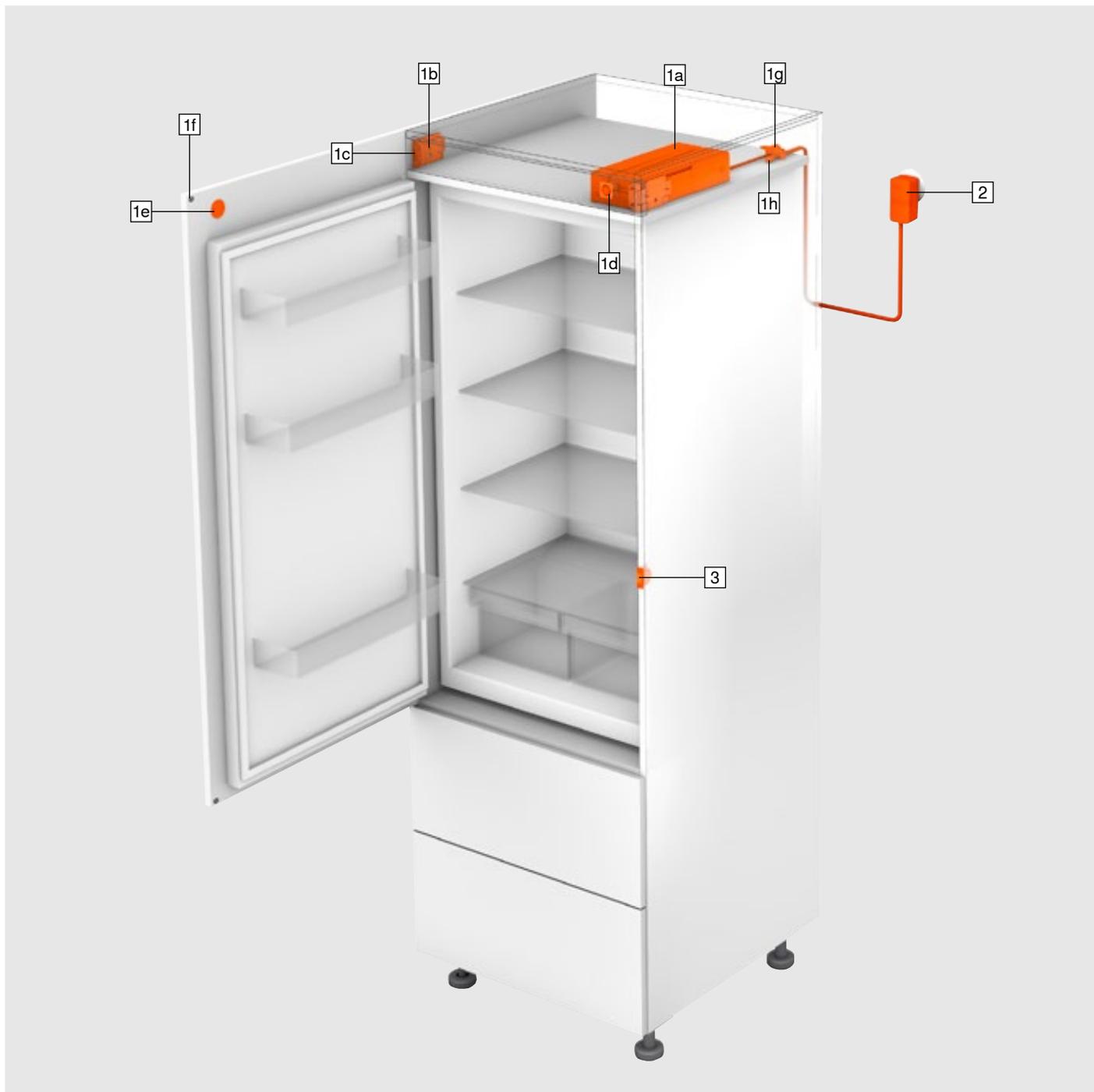
If just one lift system is to be fitted with an electrical system, SERVO-DRIVE uno for AVENTOS is the ideal motion support system for the wall cabinet. Individual lift systems can be opened with a light touch and closed silently and effortlessly with BLUMOTION.



**SERVO-DRIVE uno for waste bin pull-outs**

Use your hip, knee or foot – a short press on the front is all it takes and the pull-out opens automatically. SERVO-DRIVE uno for waste bin pull-outs is a convenient retrofitting solution and can be fitted in just a few simple steps.

SERVO-DRIVE flex for refrigerators and freezers – recess height (NH) < 1700 mm



- Can be used for all standard built-in refrigerators and freezers
- Recess height (NH) < 1700 mm
- Low recess height (NH) for drive unit of min. 60 mm
- Adaptive system
- Automatic self-closing system for unintentional opening
- Lean protection feature
- Trigger safety
- Easy assembly and installation
- Not suitable for refrigerators and freezers without own cabinet, freezers with base unit (recess height (NH) ≥ 1700 mm) and refrigerated pull-outs

SERVO-DRIVE flex for refrigerators and freezers – recess height (NH) < 1700 mm

Ordering information

1			SERVO-DRIVE flex set		
			Colour		
			R7035		Z10C500A
Consisting of:					
1a	1 x	Drive unit			
1b	2 x	Mounting plate			
1c	2 x	Front fixing			
1d	1 x	Front cover			
1e	1 x	Catch plate			
1f	2 x	Blum distance bumper			
1g	1 x	Connecting node			
1h	2 x	Cable end protector			
-	11 x	Chipboard screw			
-	1 x	Assembly jig			

Accessories

3				SERVO-DRIVE switch	
				Colour	
				Material	
				SW/HGR/TGR	
				K	
				23P5020	
Recommendation for the use of the SERVO-DRIVE switch – see page 25					

-				Wireless receiver	
				Colour	
				Material	
				R7035	
				K	
				Z10C5007	
Recommendation for the use of the SERVO-DRIVE switch – see page 25					

Colour/material					
HGR	Light grey	SW	Silk white		
K	Nylon	TGR	Dark grey		
		R7035	RAL 7035 light grey		

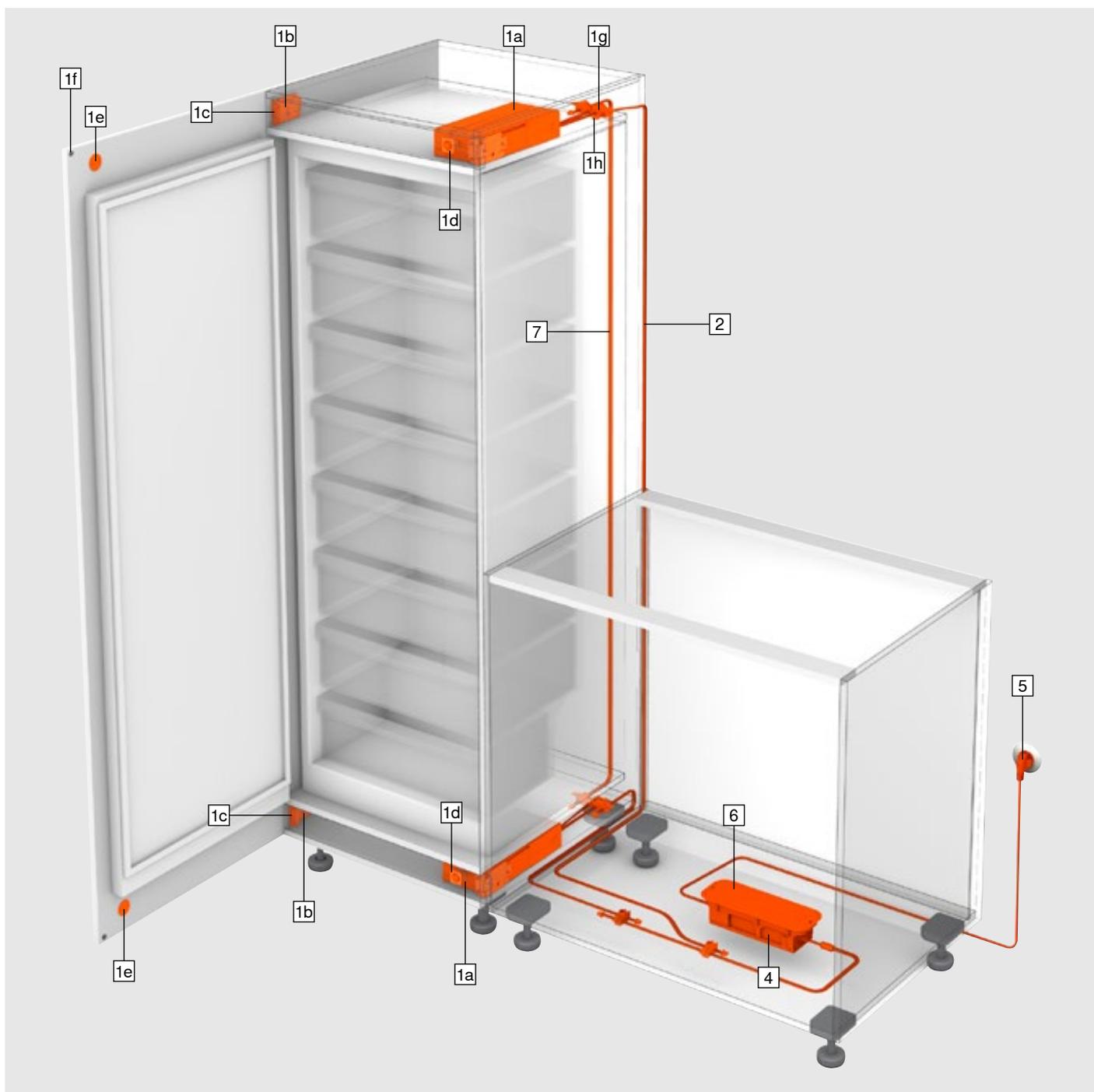
SERVO-DRIVE plug-in power supply unit					
Only suitable for one drive unit					
Market	Language package		Market	Language package	
E	A	Z10NA40EA	E	F	Z10NA40EF
E	B	Z10NA40EB	B	A	Z10NA40BA
E	C	Z10NA40EC	K	I	Z10NA40KI
E	D	Z10NA40ED	N	H	Z10NA40NH
E	E	Z10NA40EE	U	G	Z10NA40UG
Item available on request					
Consisting of:					
-	1 x	SERVO-DRIVE plug-in power supply unit Incl. cable, 1120 mm (with SERVO-DRIVE distribution cable extendible to max. 2000 mm) Incl. operating and installation instructions			

Markets and language packages

Name					
Markets			Language packages*		
E	Europa		A	DE, EN, FR, IT, NL	
B	GB		B	DA, EN, FI, NO, SV	
K	AU		C	EL, EN, HR, SL, SR, TR	
N	CN		D	EN, ES, FR, IT, PT	
U	US CA JP		E	CS, HU, PL, SK	
			F	BG, ET, LV, LT, RO, RU, GB	
			G	EN, ES, FR	
			H	EN, ZH, KO	
			I	EN	
* Language descriptions as per ISO-639					

Power adapter

See the Information chapter of the Blum catalogue for a detailed market list

SERVO-DRIVE flex for refrigerators and freezers – recess height (NH) \geq 1700 mm


- Can be used for all standard built-in refrigerators and freezers
- Recess height (NH) \geq 1700 mm
- Low recess height (NH) for drive unit of min. 60 mm
- Adaptive system
- Automatic self-closing system for unintentional opening
- Lean protection feature
- Trigger safety
- Easy assembly and installation
- Not suitable for refrigerators and freezers without own cabinet, freezers with base unit (recess height (NH) \geq 1700 mm) and refrigerated pull-outs

SERVO-DRIVE flex for refrigerators and freezers – recess height (NH) ≥ 1700 mm

Ordering information

1		SERVO-DRIVE flex set	
		Colour	2 x
		R7035	Z10C500A
Consisting of:			
1a	1 x	Drive unit	
1b	2 x	Mounting plate	
1c	2 x	Front fixing	
1d	1 x	Front cover	
1e	1 x	Catch plate	
1f	2 x	Blum distance bumper	
1g	1 x	Connecting node	
1h	2 x	Cable end protector	
-	11 x	Chipboard screw	
-	1 x	Assembly jig	

2		SERVO-DRIVE distribution cable	
		Colour	Length (mm)
		SZ	3000
Z10K300A			
For cutting to size			



Market	Language package		Market	Language package	
E	A	Z10NE04EA	I	A	Z10NE04IA
E	B	Z10NE04EB	K	I	Z10NE04KI
E	C	Z10NE04EC	N	H	Z10NE04NH
E	D	Z10NE04ED	R	H	Z10NE04RH
E	E	Z10NE04EE	S	K	Z10NE04SK
E	F	Z10NE04EF	T	H	Z10NE04TH
E	I	Z10NE04EI	U	G	Z10NE04UG
B	A	Z10NE04BA	U	J	Z10NE04UJ
B	I	Z10NE04BI	Z	I	Z10NE04ZI
H	I	Z10NE04HI			

Consisting of:		
1a	1 x	SERVO-DRIVE power supply unit Incl. operating and installation instructions
1b	1 x	Flex Length 1.5–1.8 m, incl. plug

Colour/material			
K	Nylon	WGR	White grey
SZ	Black	R7035	RAL 7035 light grey
WS	White	R7037	RAL 7037 dust grey

-		Connecting node and cable end protector	
		Colour	Material
		SZ	K
3 x			
Consisting of:			
1g	1 x	Connecting node	
1h	2 x	Cable end protector	

6		Power supply unit housing	
		Base fixing	
		Colour	Material
		R7037	K
Z10NG000			
Includes cover			
For SERVO-DRIVE power supply unit			

Alternative

-		Power supply unit housing	
		Panel fixing	
		Colour	Material
		WGR	K
Z10NG120			
For SERVO-DRIVE power supply unit			

7		Communication cable	
		Colour	Length (mm)
		R7037	3000
Z10K300A			
For cutting to size			
Connects two drive units that need to open simultaneously			

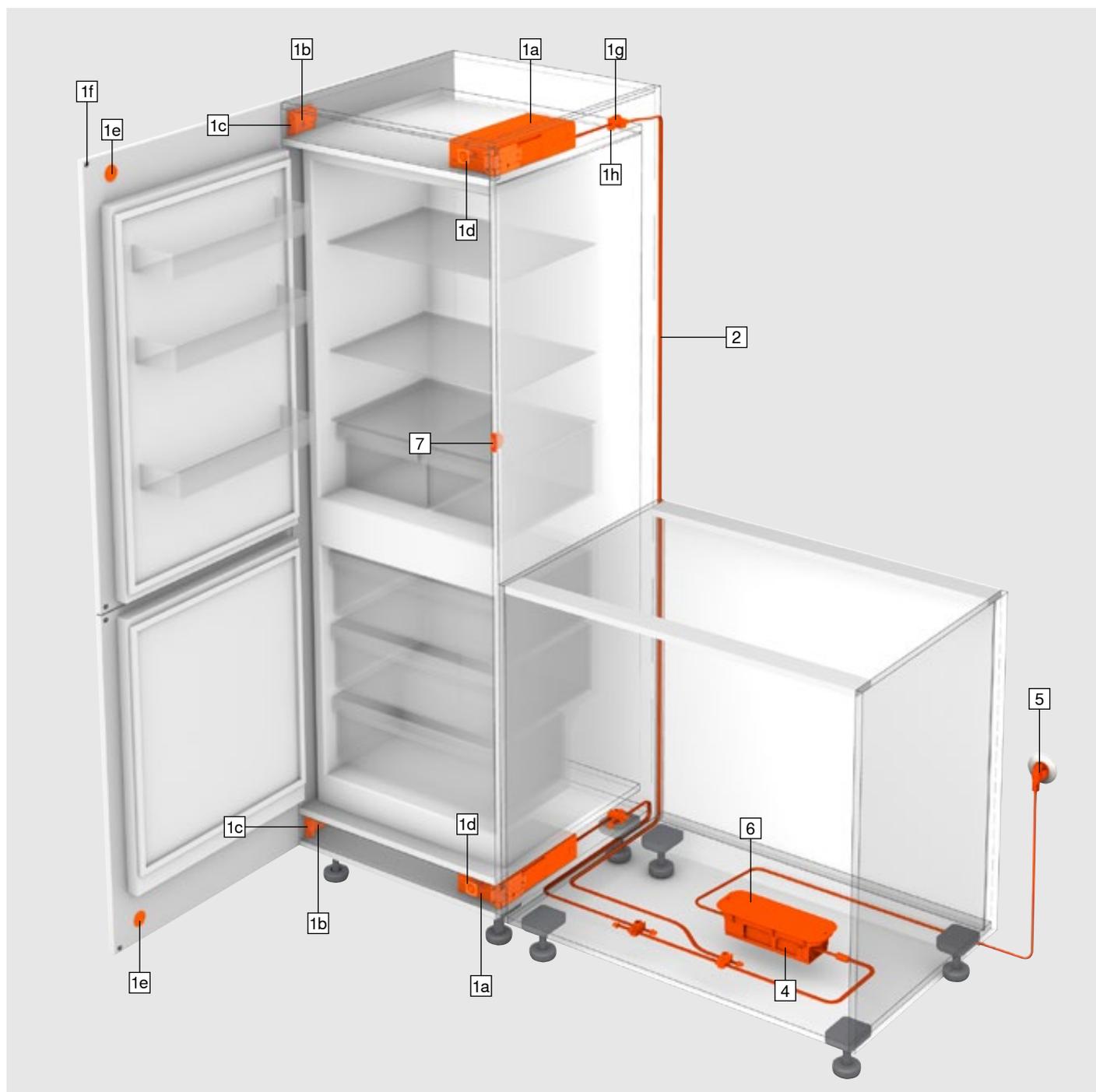
Accessories

-		Cable holder	
		Colour	Material
		WS	K
Z10K0009			
E.g. for fixing the SERVO-DRIVE distribution cable			

Markets and language packages

Name		Language packages*	
E	Europa	A	DE, EN, FR, IT, NL
B	GB	B	DA, EN, FI, NO, SV
H	IN	C	EL, EN, HR, SR, SL, TR
I	IL	D	EN, ES, FR, IT, PT
K	AU	E	CS, HU, PL, SK
N	CN	F	BG, ET, LV, LT, RO, RU, GB
R	KR	G	EN, ES, FR
S	BR	H	EN, ZH, KO
T	TW	I	EN
U	US CA JP	J	JA
Z	ZA	K	EN, ES, PT

* Language descriptions as per ISO-639

SERVO-DRIVE flex for fridge/freezer combinations


- Can be used for all standard built-in fridge/freezer combinations
- Recess height (NH) \geq 1700 mm
- Low recess height (NH) for drive unit of min. 60 mm
- Adaptive system
- Automatic self-closing system for unintentional opening
- Lean protection feature
- Trigger safety
- Easy assembly and installation
- Not suitable for refrigerators and freezers without own cabinet, freezers with base unit (recess height (NH) \geq 1700 mm) and refrigerated pull-outs

SERVO-DRIVE flex for fridge/freezer combinations

Ordering information

1		SERVO-DRIVE flex set	
	Colour		2 x
	R7035		Z10C500A
Consisting of:			
1a	1 x	Drive unit	
1b	2 x	Mounting plate	
1c	2 x	Front fixing	
1d	1 x	Front cover	
1e	1 x	Catch plate	
1f	2 x	Blum distance bumper	
1g	1 x	Connecting node	
1h	2 x	Cable end protector	
-	11 x	Chipboard screw	
-	1 x	Assembly jig	

2		SERVO-DRIVE distribution cable	
	Colour	Length (mm)	
	SZ	3000	Z10K300A

For cutting to size

SERVO-DRIVE power supply unit incl. flex



Market	Language package		Market	Language package	
E	A	Z10NE04EA	I	A	Z10NE04IA
E	B	Z10NE04EB	K	I	Z10NE04KI
E	C	Z10NE04EC	N	H	Z10NE04NH
E	D	Z10NE04ED	R	H	Z10NE04RH
E	E	Z10NE04EE	S	K	Z10NE04SK
E	F	Z10NE04EF	T	H	Z10NE04TH
E	I	Z10NE04EI	U	G	Z10NE04UG
B	A	Z10NE04BA	U	J	Z10NE04UJ
B	I	Z10NE04BI	Z	I	Z10NE04ZI
H	I	Z10NE04HI			

Consisting of:

1a	1 x	SERVO-DRIVE power supply unit Incl. operating and installation instructions
1b	1 x	Flex Length 1.5–1.8 m, incl. plug

Colour/material

HGR	Light grey	TGR	Dark grey
K	Nylon	WS	White
SZ	Black	WGR	White grey
SW	Silk white	R7035	RAL 7035 light grey
		R7037	RAL 7037 dust grey

-	Connecting node and cable end protector		
	Colour	Material	
	SZ	K	Z10V100E.01

Consisting of:

1g	1 x	Connecting node
1h	2 x	Cable end protector

6		Power supply unit housing	
	Base fixing		
	Colour	Material	
	R7037	K	Z10NG000

Includes cover

For SERVO-DRIVE power supply unit

Alternative

-	Power supply unit housing		
	Panel fixing		
	Colour	Material	
	WGR	K	Z10NG120

For SERVO-DRIVE power supply unit

7		SERVO-DRIVE switch	
	Colour	Material	
	SW/HGR/TGR	K	23P5020

Recommendation for the use of the SERVO-DRIVE switch – see page 25

-	Wireless receiver		
	Colour	Material	
	R7035	K	Z10C5007

Recommendation for the use of the SERVO-DRIVE switch – see page 25

Accessories

-	Cable holder		
	Colour	Material	
	WS	K	Z10K0009

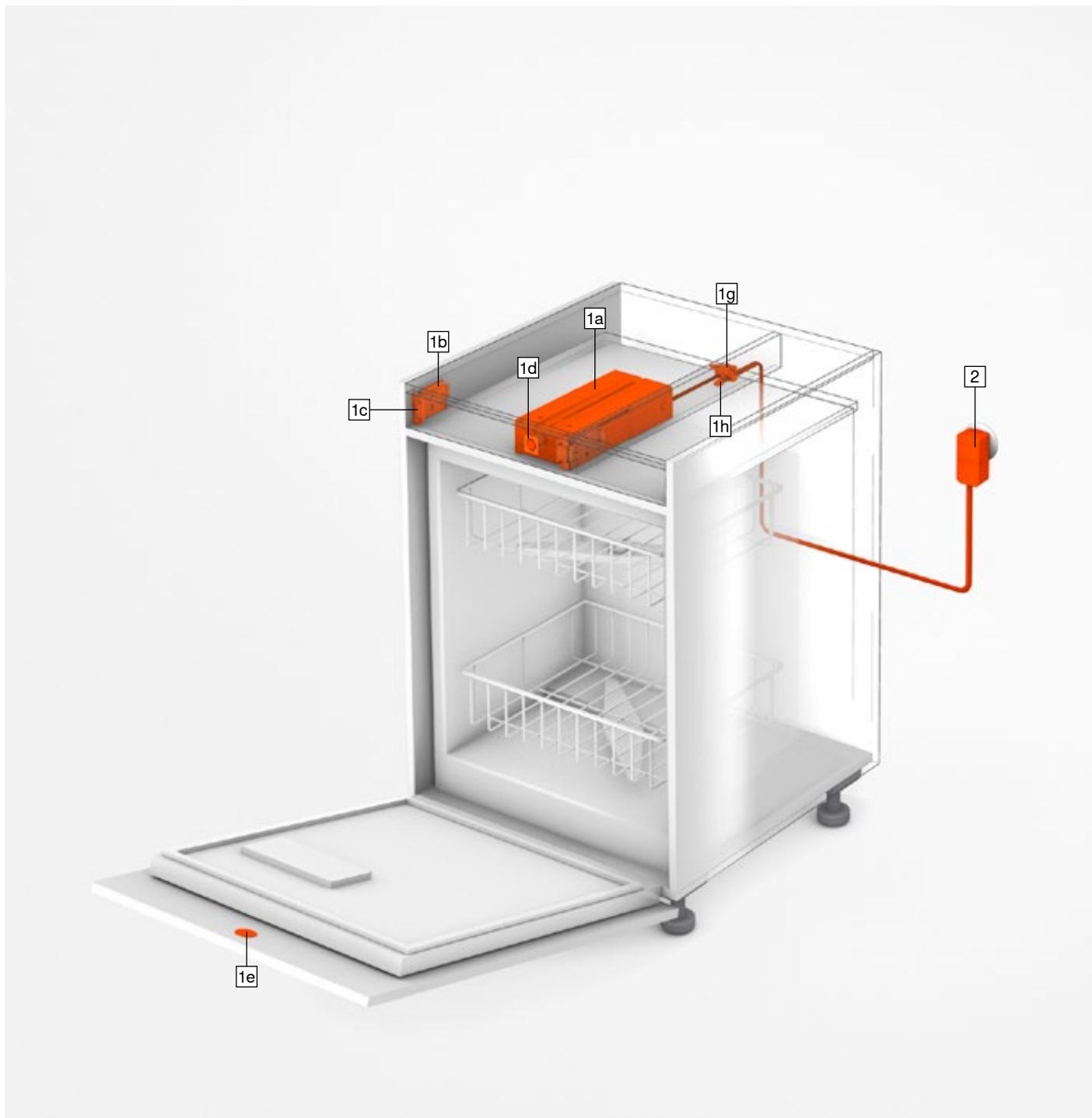
E.g. for fixing the SERVO-DRIVE distribution cable

Markets and language packages

Name		Language packages*	
Markets		Language packages*	
E	Europa	A	DE, EN, FR, IT, NL
B	GB	B	DA, EN, FI, NO, SV
H	IN	C	EL, EN, HR, SR, SL, TR
I	IL	D	EN, ES, FR, IT, PT
K	AU	E	CS, HU, PL, SK
N	CN	F	BG, ET, LV, LT, RO, RU, GB
R	KR	G	EN, ES, FR
S	BR	H	EN, ZH, KO
T	TW	I	EN
U	US CA JP	J	JA
Z	ZA	K	EN, ES, PT

* Language descriptions as per ISO-639

SERVO-DRIVE flex for dishwashers



- For all standard built-in dishwashers
- Low recess height (NH) for drive unit of min. 60 mm
- Adaptive system
- Lean protection feature
- Trigger safety
- Easy assembly and installation
- Application option dependent on device type, and worktop and plinth height; see Planning

SERVO-DRIVE flex for dishwashers

Ordering information

1		SERVO-DRIVE flex set
Colour		
R7035		Z10C500A
Consisting of:		
1a	1 x	Drive unit
1b	2 x	Mounting plate
1c	2 x	Front fixing
1d	1 x	Front cover
1e	1 x	Catch plate
-	2 x	Blum distance bumper
1g	1 x	Connecting node
1h	2 x	Cable end protector
-	11 x	Chipboard screw
-	1 x	Assembly jig

1b		Mounting plate	
		Colour	Material
		R7035	K
Z10C5005			
Also requires			

SERVO-DRIVE plug-in power supply unit					
Only suitable for one drive unit					
Market	Language package		Market	Language package	
E	A	Z10NA40EA	E	F	Z10NA40EF
E	B	Z10NA40EB	B	A	Z10NA40BA
E	C	Z10NA40EC	K	I	Z10NA40KI
E	D	Z10NA40ED	N	H	Z10NA40NH
E	E	Z10NA40EE	U	G	Z10NA40UG
☎ Item available on request					
Consisting of:					
-	1 x	SERVO-DRIVE plug-in power supply unit Incl. cable, 1120 mm (with SERVO-DRIVE distribution cable extendible to max. 2000 mm) Incl. operating and installation instructions			

Markets and language packages

Name	
Markets	Language packages*
E Europa	A DE, EN, FR, IT, NL
B GB	B DA, EN, FI, NO, SV
K AU	C EL, EN, HR, SL, SR, TR
N CN	D EN, ES, FR, IT, PT
U US CA JP	E CS, HU, PL, SK
	F BG, ET, LV, LT, RO, RU, GB
	G EN, ES, FR
	H EN, ZH, KO
	I EN
* Language descriptions as per ISO-639	

Power adapter

See the Information chapter of the Blum catalogue for a detailed market list

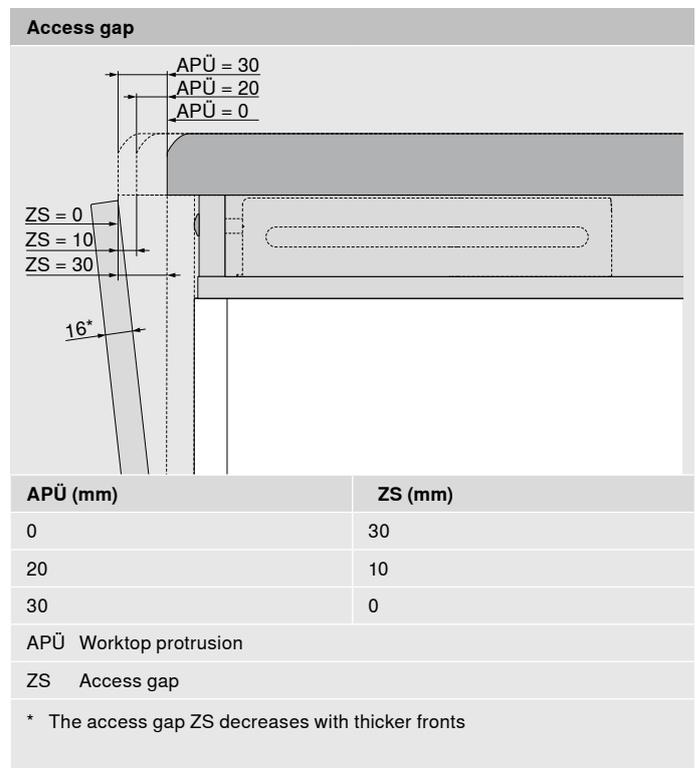
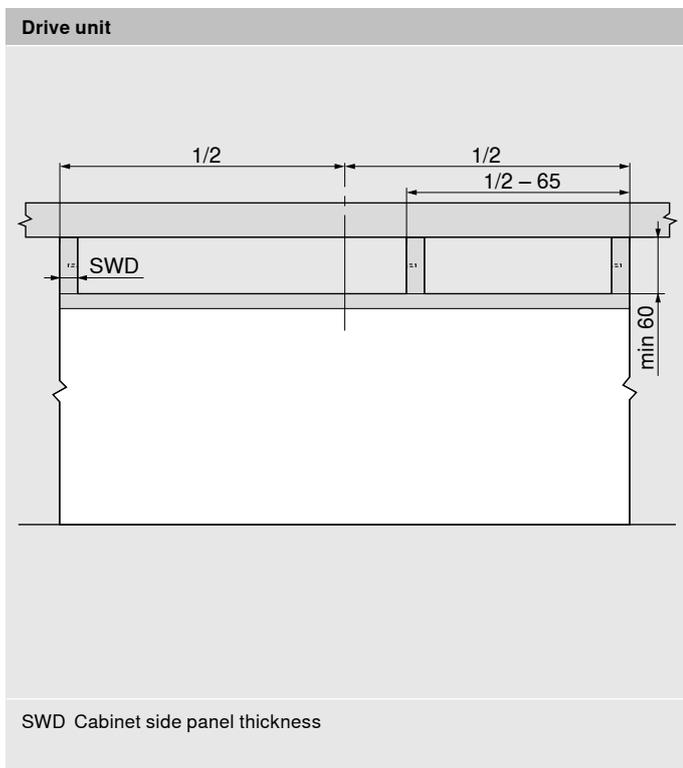
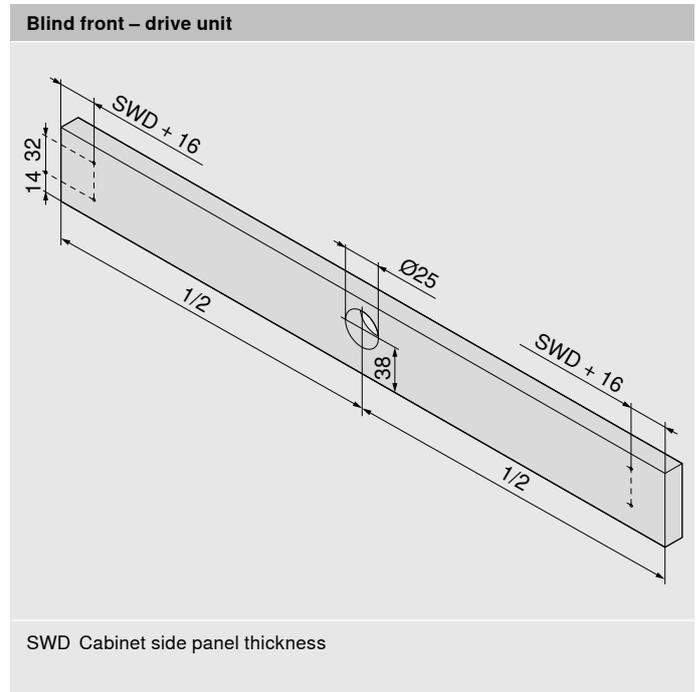
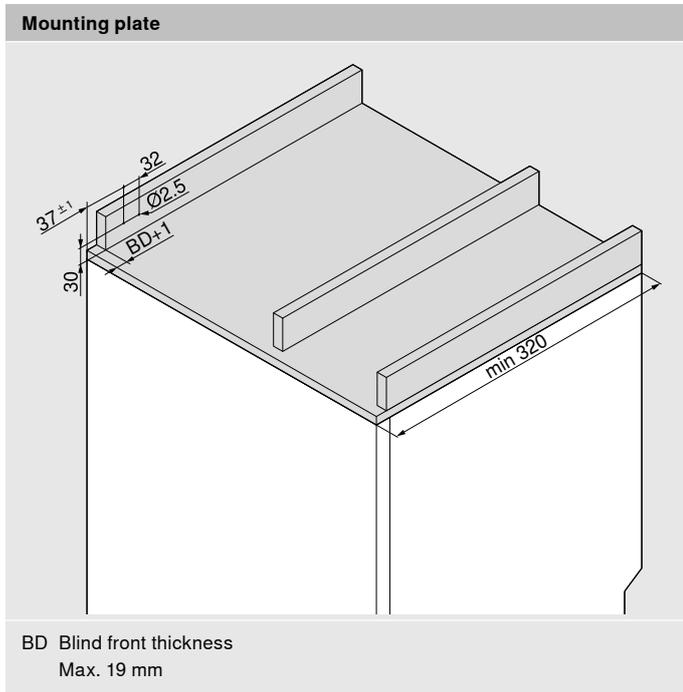
SERVO-DRIVE flex for refrigerators and freezers

Planning

<p>Mounting plate</p>		<p>Blind front – drive unit</p>
<p>Blum distance bumper</p> <p>Blum distance bumper is required for the refrigerator and freezer door</p> <p>The Blum distance bumper ensures the required trigger path of 2 mm</p>		
<p>Access gap</p>		
<p>Space requirement and safety distance – power supply unit housing</p> <div data-bbox="1054 1682 1500 2119"> <p>! Please note</p> <p>Maintain a safety distance of 30 mm for air circulation. Otherwise there is a risk that the SERVO-DRIVE power supply unit could overheat. The dimensions in the drawing take the safety distance into account.</p> </div> <div data-bbox="87 2078 539 2119"> <p>Base fixing</p> </div> <div data-bbox="571 2078 1018 2119"> <p>Panel fixing</p> </div>		

SERVO-DRIVE flex for dishwashers

Planning



Assembly devices

Drilling template for Blum distance bumper



- Template for bumper drilling on the unattached and attached front

Ordering information

ZML.1090

Drilling template for the SERVO-DRIVE switch

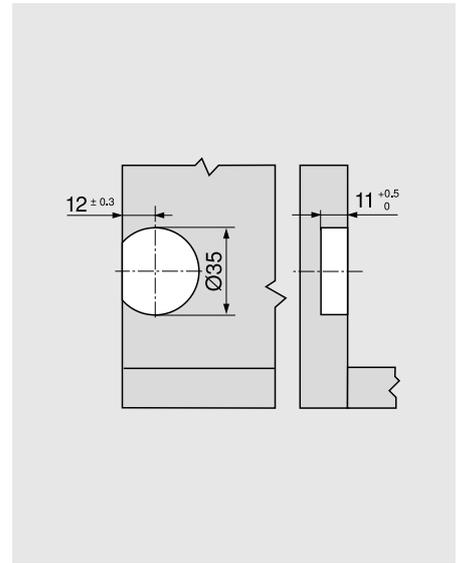
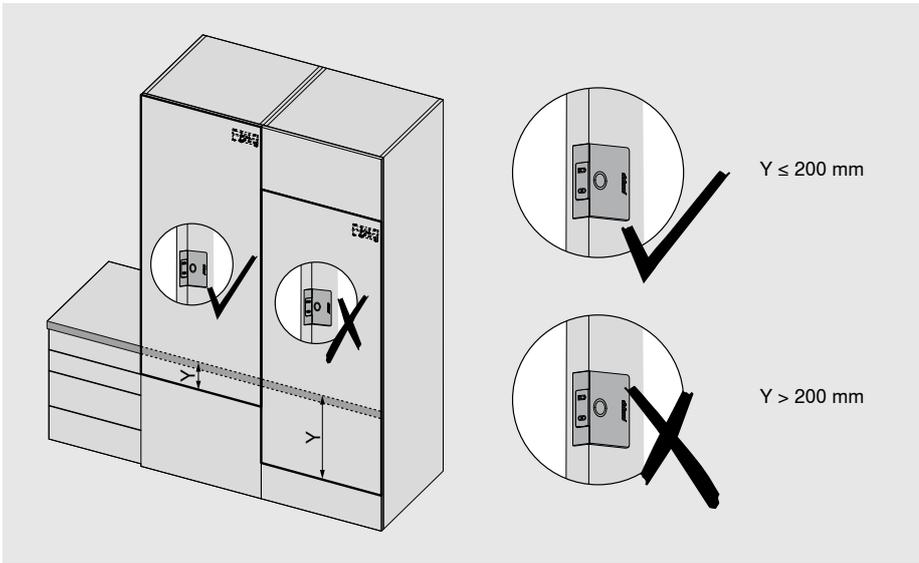


- Simple hand-held tool for drilling accurate holes for the SERVO-DRIVE switch attachment
- Hand drill required

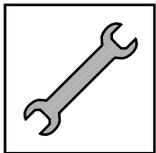
Ordering information

M31.2000

Recommendation for the use of the SERVO-DRIVE switch



Assembly/adjustment/removal



Information on assembly and adjustment:
www.blum.com/ma620



Assembly video:
www.blum.com/sdflex_videos



moving ideas

We believe that ideas can move the world. We offer innovative fittings, inspiring furniture concepts and appropriate services so that you can turn your creative ideas into reality. We are driven by your needs, international trends and our shared vision of a better quality of living. Let us work together to create moving ideas.



Quality of living

We would like you to enjoy greater convenience and functionality when using furniture.



Product range

Everything from a single source: our wide range of products allows you to keep up with today's and tomorrow's trends.



Inspiration

We monitor global trends and strive to create the solutions of tomorrow. We like to share our insights with you.



Innovation

We stay in motion. Curiosity and pioneering spirit drive us to develop new products and services for you.



Services

We support your daily operations with customised services tailored to your processes.



Quality

We continuously strive to improve our products, services and ourselves.



Trust

We take responsibility for partnerships, our employees, society and the environment.

Julius Blum started our journey in 1952 with horseshoe studs. Today we supply innovative fittings to customers in over 120 countries.

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