



SERVO-DRIVE for AVENTOS HK top

Technical data sheet

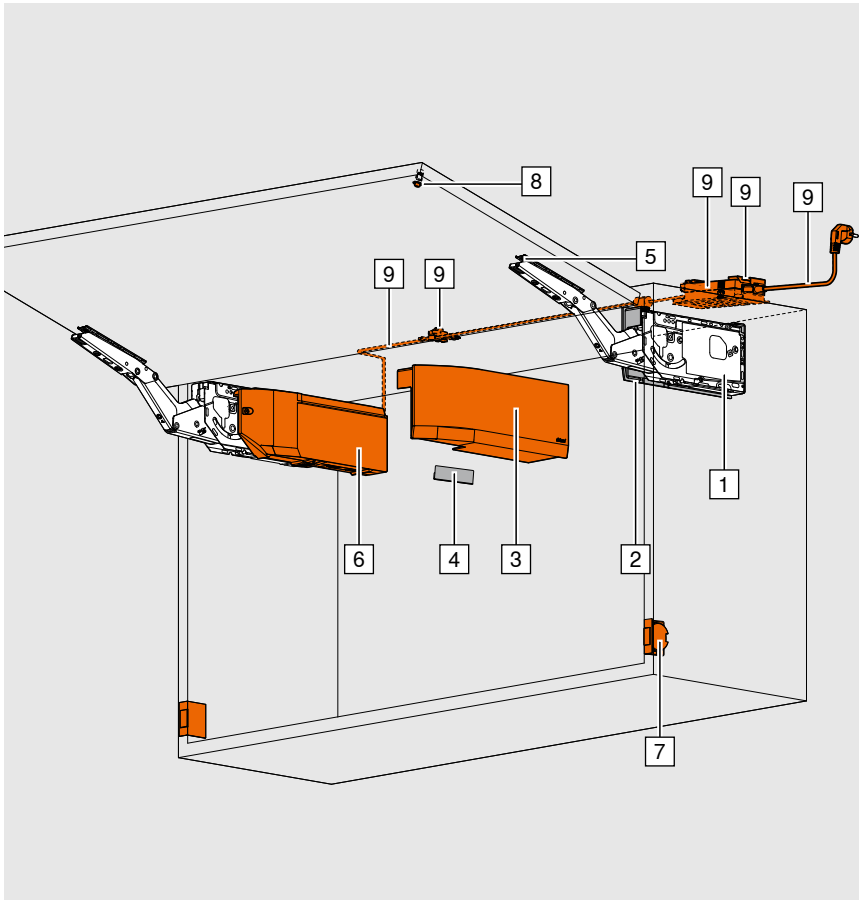
www.blum.com

 **blum**[®]

SERVO-DRIVE for AVENTOS HK top



Order specification



- Ideal for low cabinet heights in wall cabinets, in tall units and over the refrigerator
- Cabinet height 205–600 mm
- Cabinet width up to 1800 mm
- Soft and effortless closing thanks to BLUMOTION
- Light operating forces
- Balanced, top quality motion with a variable stop
- Tool-free assembly
- 3-dimensional front adjustment
- Simple, infinitely variable lift mechanism adjustment
- No hinges required
- Integrated safety mechanism
- Integrated infinitely variable opening angle stop



Power factor (LF) = cabinet height (KH) [mm] x front weight incl. double handle weight [kg]

Standard

SERVO-DRIVE

Order specification

1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Lift mechanism			
	Fixing with pre-mounted system screws					
	LF	OW				
	420–1610	75°–107°	2 x	<input checked="" type="checkbox"/>	22K2311	
	930–2800	75°–107°	2 x	<input checked="" type="checkbox"/>	22K2511	
	1730–5200	75°–107°	2 x	<input checked="" type="checkbox"/>	22K2711	
3200–9000	75°–107°	2 x	<input checked="" type="checkbox"/>	22K2911		

1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Lift mechanism			
	Fixing with chipboard screws with positioning system					
	LF	OW				
	420–1610	75°–107°	2 x	<input checked="" type="checkbox"/>	22K2301	
	930–2800	75°–107°	2 x	<input checked="" type="checkbox"/>	22K2501	
	1730–5200	75°–107°	2 x	<input checked="" type="checkbox"/>	22K2701	
3200–9000	75°–107°	2 x	<input checked="" type="checkbox"/>	22K2901		

LF Power factor

OW Opening angle (infinitely variable adjustment)

Note

Max. front weight 18 kg for two lift mechanisms.

The power factor (LF) can be increased by 50% when using a third lift mechanism. We recommend a third lift mechanism for wide cabinets. The reason for this is to prevent the middle of the front from sagging when open.

SERVO-DRIVE for AVENTOS HK top




Order specification


2	<input type="checkbox"/>	Cover cap right		
		Colour	Material	
		HGR, SW, TGR	Nylon	22K8001

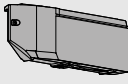
2	<input type="checkbox"/>	Cover cap left		
		Colour	Material	
		HGR, SW, TGR	Nylon	22K8001

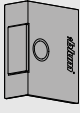
3	<input checked="" type="checkbox"/>	SERVO-DRIVE cover cap left		
		Colour	Material	
		HGR, SW, TGR	Nylon	23K8001

4	<input type="checkbox"/>	Branding element		
		Material		
		Nylon		
			Colour	
Version			SW-M, TGR	IN-G
Printed *	2 x	ABD.1000.BL	ABD.1009.BL	
Customised, printed branding element – starting from 1000 pieces				
Embossed *	2 x	ABD.1000.BT	ABD.1009.BT	
Customised, embossed branding element – starting from 5000 pieces				
Plain	2 x	ABD.1000	ABD.1009	
* With Blum logo				

5	<input type="checkbox"/>	Front fixing bracket			
		Colour	Version		
		Nickel plated	Symmetrical		
		Wooden fronts and wide alu frames*		2 x	20S4201
		Narrow alu frames		2 x	20S4201A
		EXPANDO	2 x	20S42E1	
* Use 4 chipboard screws (609.1x00) per side for wooden fronts. Use 4 countersunk self-tapping screws (660.0950) per side for wide alu frames.					

5	<input type="checkbox"/>	Front fixing bracket		
		Version		
		Thin fronts	2 x	20S42T1
EXPANDO T suitable for thin fronts				


6	<input checked="" type="checkbox"/>	SERVO-DRIVE drive unit		
		Colour	Material	
		R7037	Nylon	23KA001
We recommend using two synchronised drive units for three lift mechanisms or more				


7	<input checked="" type="checkbox"/>	SERVO-DRIVE switch		
		Colour	Material	
		HGR, SW, TGR	Nylon	
		Incl. battery	2 x	23P5020

8	<input checked="" type="checkbox"/>	Blum distance bumper		
		Colour		
		R7037		
		Ø 5 mm	2 x	993.0530
		Ø 8 mm	2 x	993.0830.01

9	<input checked="" type="checkbox"/>	Blum transformer and accessories		
See page 4				

Accessories

10	<input type="checkbox"/>	Universal individual template		
				65.1051.02

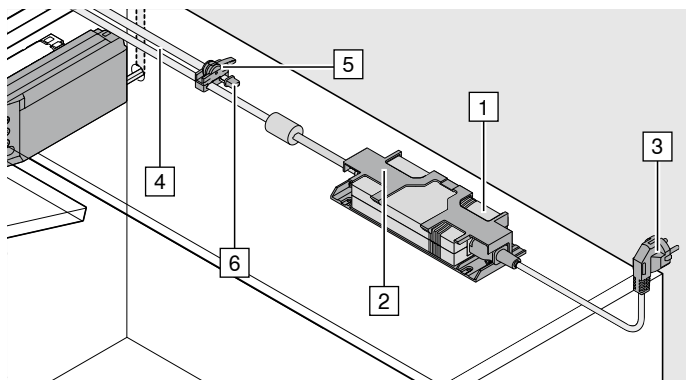
11	<input type="checkbox"/>	Marking template for AVENTOS HK top		
				ZML.2200

Colour	
HGR	Light grey
SW	Silk white
TGR	Dark grey
R7037	RAL 7037 dust grey
IN-G	Inmold brushed stainless steel

SERVO-DRIVE for AVENTOS HK top



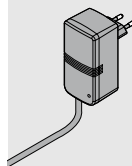
SERVO-DRIVE for AVENTOS HK top Blum transformer and accessories



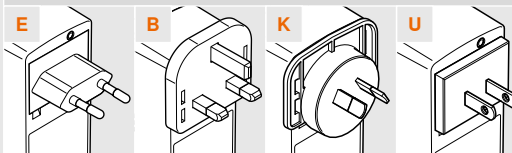
Alternative to 1, 2 and 3

12-Watt Blum plug-in transformer

Only suitable for one drive unit



Power adapter (x)



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

Language packages (y)

A	DE, EN, FR, IT, NL	E	CS, HU, SK, PL
B	DA, EN, FI, NO, SV	F	BG, ET, LT, LV, RO, RU
C	EL, EN, HR, SL, SR, TR	G	EN, ES, FR
D	EN, ES, FR, IT, PT		

Z10NA30xyF

Consisting of:

-	1 x	12-Watt Blum plug-in transformer
		Incl. cable, 1120 mm (with distribution cable extendible to max. 2000 mm)

Other combinations available upon request

Accessories

	4 Distribution cable		
	Colour	Length (m)	
	Black	6	Z10K600A
	Black	100	Z10K1HMA

Can be used as a distribution cable and bracket profile cable

For cutting to size

	5 Connecting node		
	Colour	Material	
	Black	Nylon	Z10V1000.01

	6 Cable end protector		
	Colour	Material	
	Black	Nylon	Z10K0008

	Cable holder		
	Colour	Material	
	White	Nylon	Z10K0009

E.g. for fixing the distribution cable

	1 24-watt Blum transformer			
	Language package		Language package	
	A	Z10NE030A	F	Z10NE030F
	B	Z10NE030B	G	Z10NE030G
	C	Z10NE030C	H	Z10NE030H
	D	Z10NE030D	J	Z10NE030J
	E	Z10NE030E		
Includes operating and installation instructions				
Without flex				
Language package				
A	DE, EN, FR, IT, NL	F	BG, ET, LT, LV, RO, RU	
B	DA, EN, FI, NO, SV	G	EN, ES, FR	
C	EL, EN, HR, SL, SR, TR	H	EN, ZH	
D	EN, ES, FR, IT, PT	J	JA	
E	CS, HU, PL, SK			
Language descriptions as per ISO-639				

	2 Transformer unit housing		
	Colour	Material	
	White grey	Nylon	Z10NG120
For 24-Watt Blum transformer			

	3 Flex			
	Market		Market	
	AR	Z10M200A	JP	Z10M200J
	UK	Z10M200B	AU	Z10M200K
	CH	Z10M200C	CL	Z10M200L
	DK	Z10M200D	CN	Z10M200N
	Europe	Z10M200E	BR	Z10M200S.01
	Europe ¹	Z10M200E.OS	TW	Z10M200T
	IN	Z10M200H	US, CA	Z10M200U
	IL	Z10M200I	ZA	Z10M200Z

¹ Without plug

SERVO-DRIVE for AVENTOS HK top

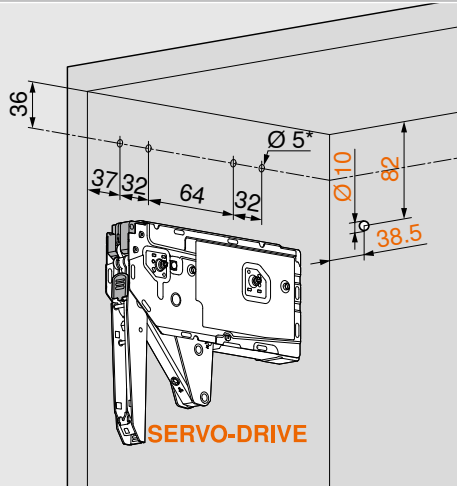


Standard and SERVO-DRIVE for AVENTOS HK top

Planning

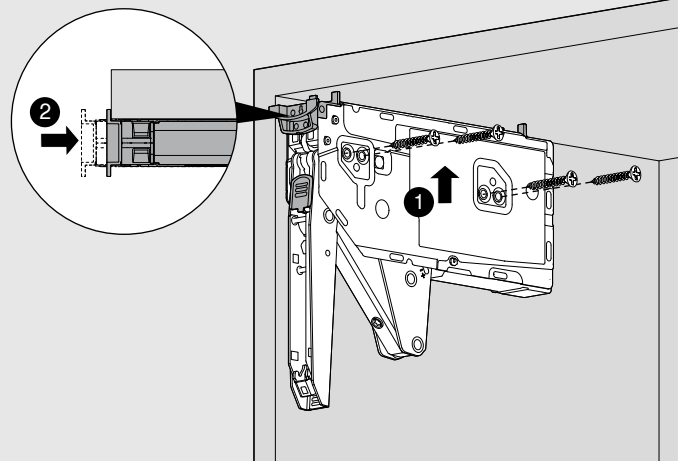
Drilling position

System screws



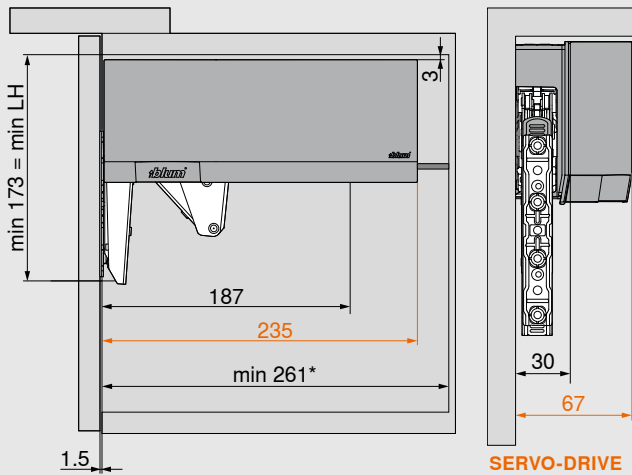
* Drilling depth 11.5 mm

Chipboard screws



4 x chipboard screws Ø 4 x 35 mm

Space requirement



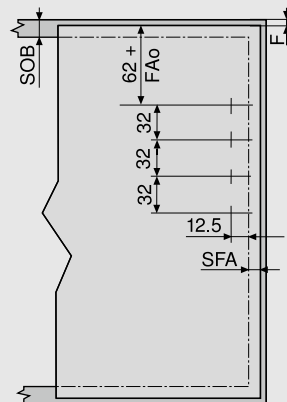
* Min. 261 mm with visible wall hanging bracket

Note: Cabinet height max. 600 mm

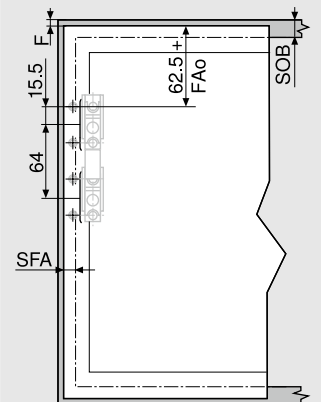
LH Internal cabinet height

Front assembly

Wooden fronts and wide alu frames*



Narrow alu frames



* Use 4 chipboard screws (609.1x00) per side for wooden fronts.
Use 4 countersunk self-tapping screws (660.0950) per side for wide alu frames.

EXPANDO: Ø 8 mm, drilling depth 11.7 mm

Wall application: Requires 5 mm minimum gap

FAo Max. 25.4 mm

FAo Upper front overlay

SOB Top panel thickness

SFA Front overlay of the side panel

F Gap

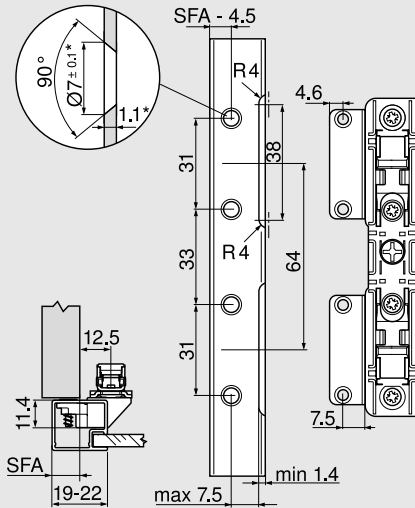
SERVO-DRIVE for AVENTOS HK top



Standard and SERVO-DRIVE for AVENTOS HK top

Planning

Narrow alu frames

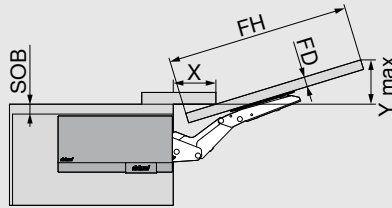


For frame width 19 mm, an SFA of 11–18 mm is possible.

* When changing material thickness, adjust the assembly dimensions accordingly

SFA Front overlay of the side panel

Space requirement – Cornice | Crown moulding



Space requirement (mm)

At max. opening angle

$$Y = FH \times 0.29 + FD - SOB$$

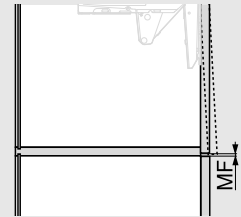
FD (mm)	16	19	22	26	28
X (mm)	68	57	47	33	27

SOB Top panel thickness

FD Front thickness

FH Front height

Minimum gap

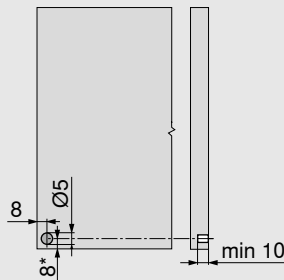


Minimum gap MF is 2 mm

Blum distance bumper (SERVO-DRIVE application only)



Insert Blum distance bumper (do not glue)
Do not use bumpers in the upper third



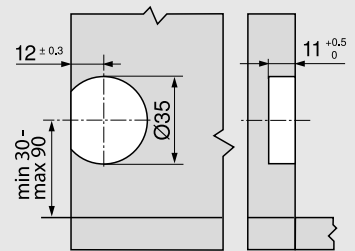
Recommendation for aluminium frames

Take into account the drilling for the Blum distance bumper in the cabinet side

A trial application must be carried out when fixing in the front

* From cabinet bottom edge for fronts that protrude below

SERVO-DRIVE switch



Assembly and adjustment



Information on assembly and adjustment

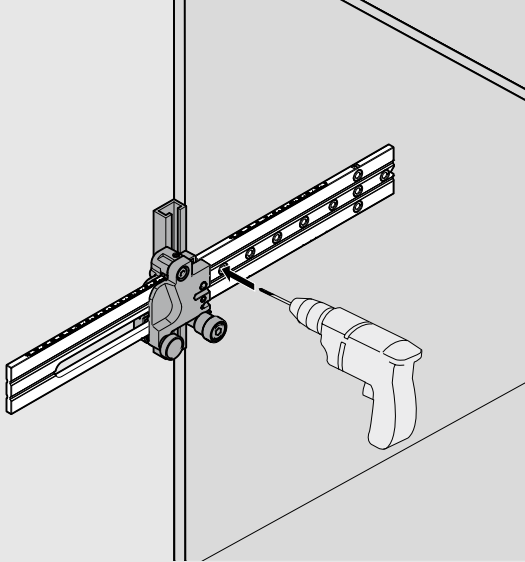
www.blum.com/hktopassembly

SERVO-DRIVE for AVENTOS HK top



Standard and SERVO-DRIVE for AVENTOS HK top

Cabinet assembly

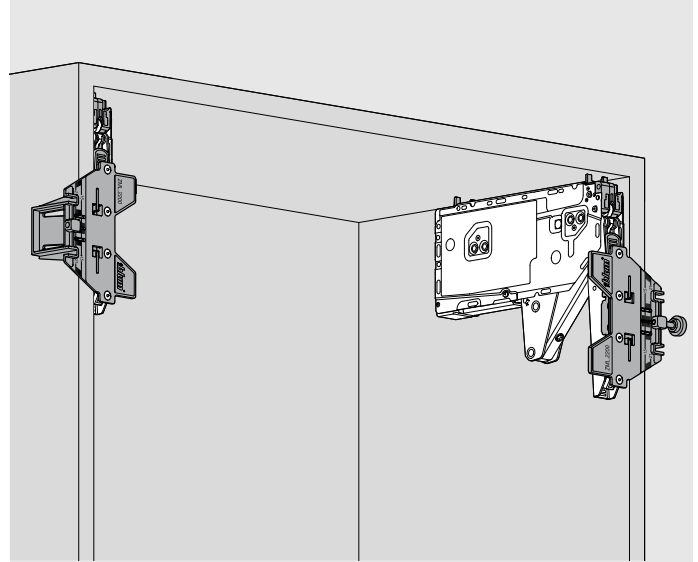


Drilling template

65.1051.02

can be used for all lift systems

Front assembly template



Marking template for AVENTOS HK top

ZML.2200

for front fixing

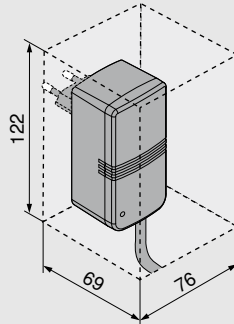
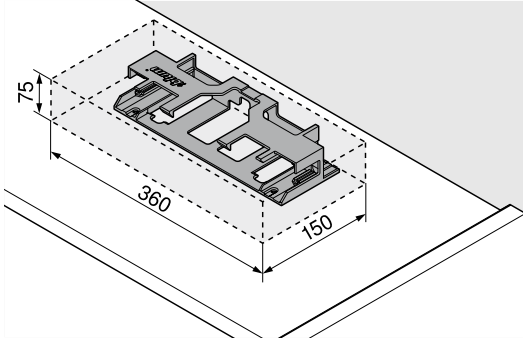
SERVO-DRIVE for AVENTOS HK top



SERVO-DRIVE for AVENTOS HK top Blum transformer and accessories

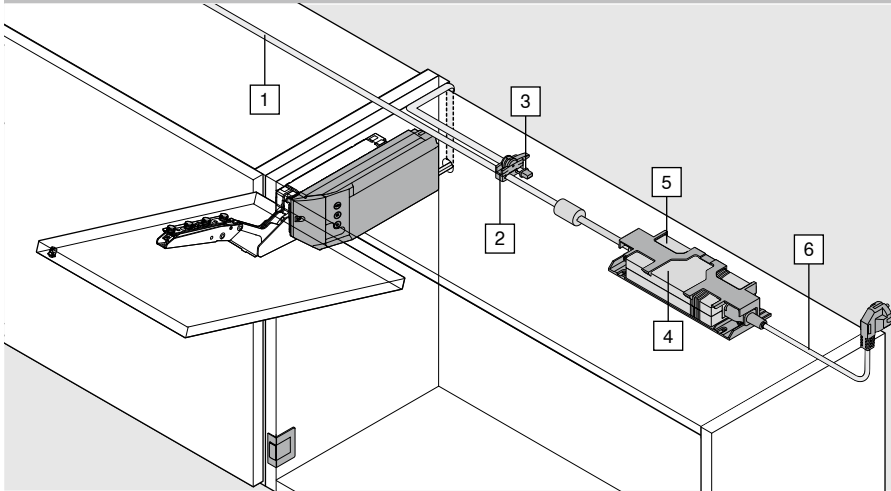
Planning

Space requirement and safety distance, Blum transformer unit housing and/or Blum plug-in transformer



i A safety distance of 30 mm must be maintained for air circulation (see graphic); otherwise, there is a risk that the Blum transformer or plug-in transformer could overheat.

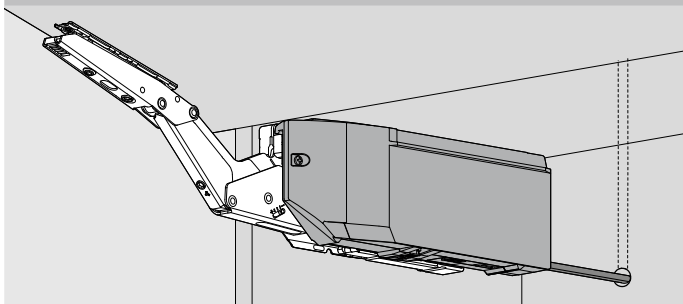
Assembly on the cabinet top panel



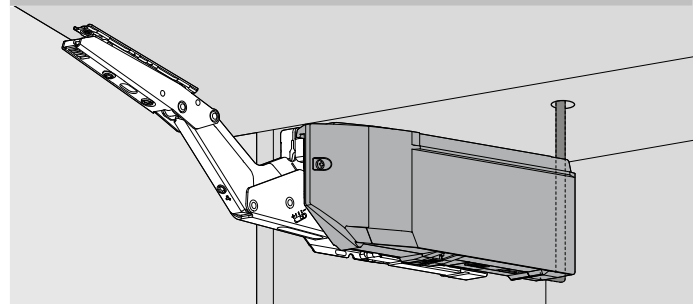
- 1 Distribution cable for cutting to size
- 2 Connecting node
- 3 Cable end protector
- 4 Blum transformer
- 5 Transformer unit housing
- 6 Flex

i Only one Blum transformer can be connected to each distribution cable.

Back cabling



Top cabling



Assembly and adjustment



Information on assembly and adjustment

www.blum.com/servodrive-aventos-assembly

Julius Blum GmbH
Furniture Fittings Mfg.
6973 Höchst, Austria
Tel.: +43 5578 705-0
Fax: +43 5578 705-44
E-mail: info@blum.com
www.blum.com

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