



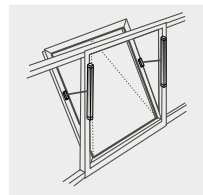
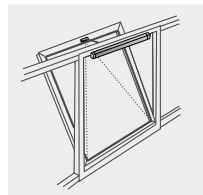
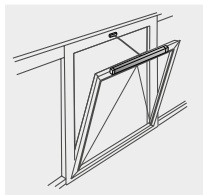
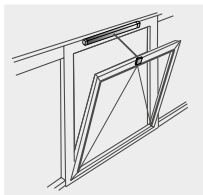
PRODUCT FEATURES KS4

- For natural ventilation, smoke and heat exhausting systems and ferralux® NRWG (EN12101-2)
- Aluminium housing anodized or optionally in RAL colors
- High-quality stainless steel sidebow roller chain, without protruding rivet heads
- Slim line body that suits concealed fitting within profiles
- Rigid drive mounting on frame without brackets
- Feedback limit position „CLOSE“ (max. 24 V, 500 mA)
- Programmable parameters of Intelligent Control Electronics S12:
 - Feedback limit position „OPEN“ (max. 24 V, 500 mA)
 - Synchronised multi-operation and sequence control without add. devices
 - Electronic soft-start, soft-close and soft-stop at end of stroke control
 - Stroke, force, speed
 - Rebate control
- Integrated plug solution
- Compatible with the plug-in configuration module M-COM® Click

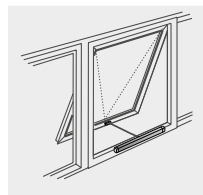
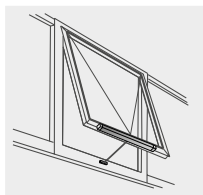
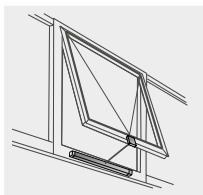
For this product series, a Type III Environmental Product Declaration (EPD) was issued according to ISO 14025 and EN 15804. The LCA results of the different product types are listed at the end of this product catalogue. The EPD documents can be viewed or downloaded from our homepage www.aumueller-gmbh.de.

FACADE

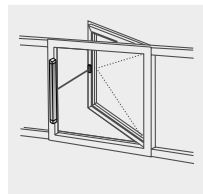
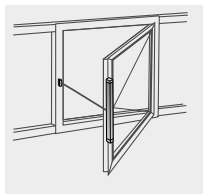
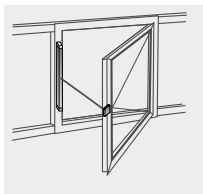
Bottom-hung



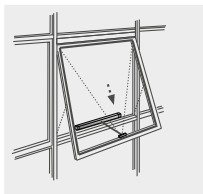
Top-hung



Side-hung



Friction hinged



Parallel outward opening



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- Application: natural ventilation, RWA, ferralux®-NRWG
- Internal Intelligent Control Electronics S12
- Feedback limit position „CLOSE“ (max. 24 V, 500 mA)

Equipment

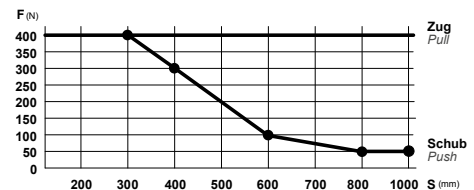
- Additional **AUMÜLLER-Click plug set** for multi-drive operation

Options

- Programmable special functions
- Programmable feedback limit position „OPEN“ (max. 24 V, 500 mA)
- M-COM for automatic synchronised run of multi drive systems and automatic sequence control with locking drives (S3 / S12)

TECHNICAL DATA

U_N	Rated voltage	24 V DC (19 V ... 28 V)
I_N	Rated current	0,9 A
I_A	Cut-off current	1,2 A
P_N	Rated power	22 W
DC	Duty cycle	5 cycles (ED 30 % - ON: 3 min./OFF: 7 min.)
	Protection rating	IP 32
	Ambient temperature range	-5 °C ... +60 °C
F_Z	Pulling force max.	400 N
F_A	Pushing force max.	



s > 600 mm only for pulling application

F_H	Pullout force	1.800 N (fastening depended)
	Chain	Stainless steel, without protruding rivet heads. Simple connection to casement brackets. Small bending radii allow maximum opening angles of small windows.

	Connecting cable	non-halogen, grey 5 x 0,5 mm ² , ~ 2 m
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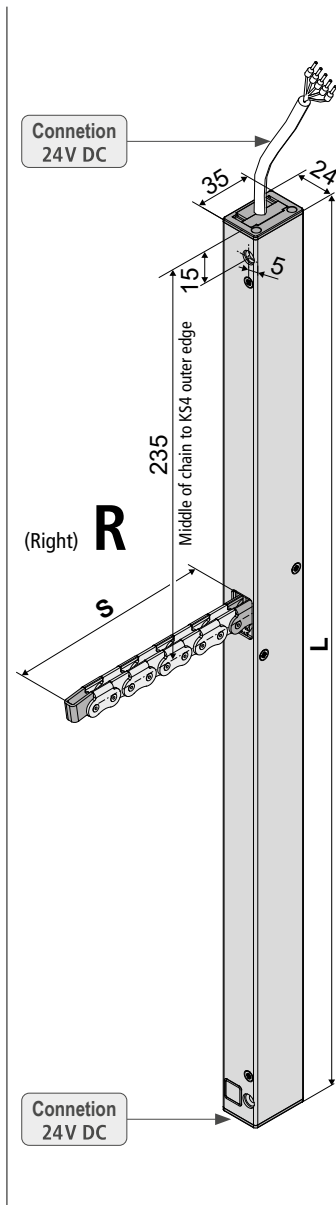
v	Speed	Factory settings: $s \leq 400$ 8,0 mm/s 8,0 mm/s $s > 400 - 600$ 12,0 mm/s 8,0 mm/s $s > 600$ 13,5 mm/s 8,0 mm/s Adjustment range: 5 - 14 mm/s
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s	Stroke	Factory settings: see order data Adjustment range: 5 - 1000 mm
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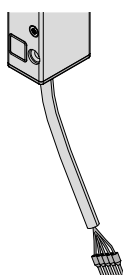
L	Length	see order data
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	Feedback contact	limit position „CLOSE“ (max. 24 V, 500 mA)
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	Sound pressure level	≤ 70 dB (A)
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OPTION



AUMÜLLER chain drives have an integrated cable routing with connection sockets on both housing ends. This enables the following options:

- **Wire Click** with various cable lengths
 Part.-No.: **501250** - 1 m cable length
501251 - 3 m cable length
501252 - 5 m cable length
501253 - 10 m cable length
- Series connection of several drives into multi drive systems
- Power supply from both sides

ORDER DATA						
s [mm]	L [mm]	Version	Finish	PU / pcs.	Part.-No.	
200	455	KS4 200 S12 24V R	E6/C-0	1	522020	
300	551	KS4 300 S12 24V R	E6/C-0	1	522030	
400	551	KS4 400 S12 24V R	E6/C-0	1	522040	
500	665	KS4 500 S12 24V R	E6/C-0	1	522050	
600	665	KS4 600 S12 24V R	E6/C-0	1	522060	
800	755	KS4 800 S12 24V R	E6/C-0	1	522080	
1000	868	KS4 1000 S12 24V R	E6/C-0	1	522000	

OPTIONS			
Special model	PU / pcs.	Part.-No.	
Drive housing painted/powder coated in other RAL colours			
Lump sum for coating		516030	
Specify at order stage:	1 – 20	516004	
	21 – 50	516004	
	51 – 100	516004	
	from 101	516004	
Plug solution:			
Wire Click - 1 m – non-halogen, grey – 5 x 0,5 mm ²	New	501250	
Wire Click - 3 m – non-halogen, grey – 5 x 0,5 mm ²		501251	
Wire Click - 5 m – non-halogen, grey – 5 x 0,5 mm ²		501252	
Wire Click - 10 m – non-halogen, grey – 5 x 0,5 mm ²		501253	
Microprocessor programming S12			
Electronic stroke reduction 24V S12		524190	
Programming drives 24V / 230V S12		524180	
Optional accessories	PU / pcs.	Part.-No.	
M-COM® Click Configuration module for synchronised multi-drive systems	1	524167	
M-COM Configuration module for synchronised multi-drive systems	1	524177	
Audio Click	1	524122	

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- Application: natural ventilation, RWA, ferralux®-NRWG
- Internal Intelligent Control Electronics S12
- Feedback limit position „CLOSE“ (max. 24 V, 500 mA)

Equipment

- Additional **AUMÜLLER-Click plug set** for multi-drive operation

Options

- Programmable special functions
- Programmable feedback limit position „OPEN“ (max. 24 V, 500 mA)
- M-COM for automatic synchronised run of multi drive systems and automatic sequence control with locking drives (S3 / S12)

TECHNICAL DATA

U_N Rated voltage 24 V DC (19 V ... 28 V)

I_N Rated current 0,9 A

I_A Cut-off current 1,2 A

P_N Rated power 22 W

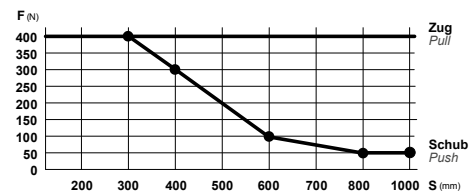
DC Duty cycle 5 cycles (ED 30 % - ON: 3 min./OFF: 7 min.)

Protection rating IP 32

Ambient temperature range -5 °C ... +60 °C

F_Z Pulling force max. 400 N

F_A Pushing force max.



s > 600 mm only for pulling application

F_H Pullout force 1.800 N (fastening depended)

Chain

Stainless steel, without protruding rivet heads.
Simple connection to casement brackets.
Small bending radii allow maximum opening angles of small windows.

Connecting cable

non-halogen, grey 5 x 0,5 mm², ~ 2 m

v Speed

Factory settings:

s ≤ 400 8,0 mm/s 8,0 mm/s

s > 400 – 600 12,0 mm/s 8,0 mm/s

s > 600 13,5 mm/s 8,0 mm/s

Adjustment range: 5 - 14 mm/s

s Stroke

Factory settings: see order data

Adjustment range: 5 – 1000 mm

L Length

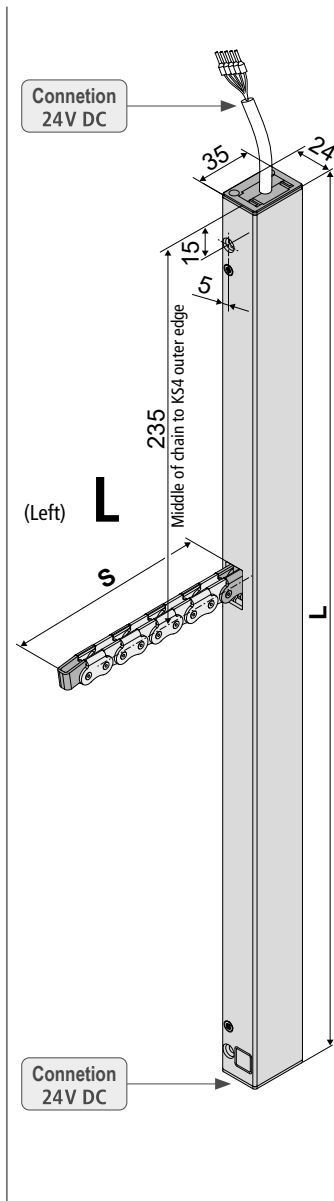
see order data

Feedback contact

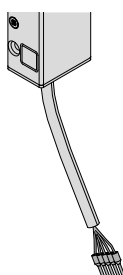
limit position „CLOSE“ (max. 24 V, 500 mA)

Sound pressure level

≤ 70 dB (A)



OPTION

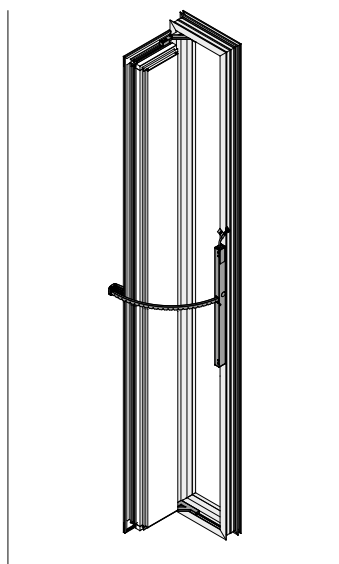
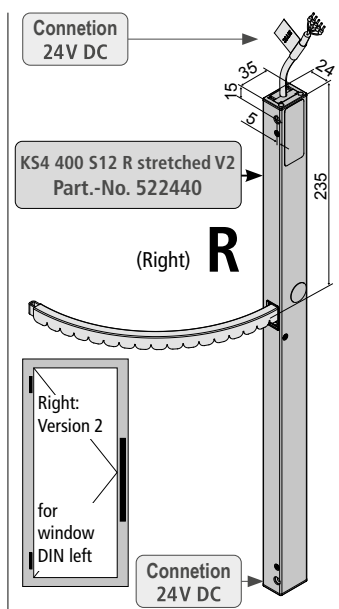
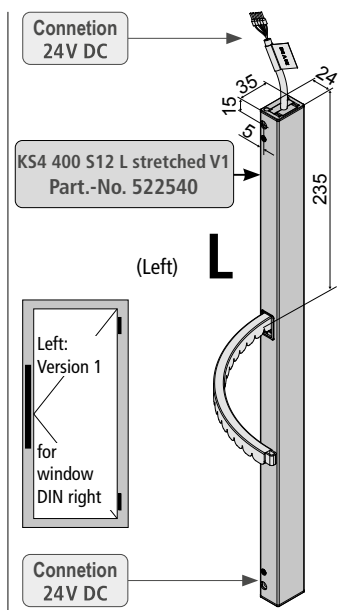


AUMÜLLER chain drives have an integrated cable routing with connection sockets on both housing ends. This enables the following options:

- **Wire Click** with various cable lengths
Part.-No.: **501250** - 1 m cable length
501251 - 3 m cable length
501252 - 5 m cable length
501253 - 10 m cable length
- Series connection of several drives into multi drive systems
- Power supply from both sides

ORDER DATA						
s [mm]	L [mm]	Version	Finish	PU / pcs.	Part.-No.	
200	455	KS4 200 S12 24V L	E6/C-0	1	520120	
300	551	KS4 300 S12 24V L	E6/C-0	1	520130	
400	551	KS4 400 S12 24V L	E6/C-0	1	520140	
500	665	KS4 500 S12 24V L	E6/C-0	1	520150	
600	665	KS4 600 S12 24V L	E6/C-0	1	520160	
800	755	KS4 800 S12 24V L	E6/C-0	1	520180	
1000	868	KS4 1000 S12 24V L	E6/C-0	1	520100	

OPTIONS			
Special model	PU / pcs.	Part.-No.	
Drive housing painted/powder coated in other RAL colours			
Lump sum for coating		516030	
Specify at order stage:	1 – 20	516004	
	21 – 50	516004	
	51 – 100	516004	
	from 101	516004	
Plug solution:			
Wire Click - 1 m – non-halogen, grey – 5 x 0,5 mm ² New		501250	
Wire Click - 3 m – non-halogen, grey – 5 x 0,5 mm ²		501251	
Wire Click - 5 m – non-halogen, grey – 5 x 0,5 mm ²		501252	
Wire Click - 10 m – non-halogen, grey – 5 x 0,5 mm ²		501253	
Microprocessor programming S12			
Electronic stroke reduction 24V S12		524190	
Programming drives 24V / 230V S12		524180	
Optional accessories	PU / pcs.	Part.-No.	
M-COM® Click Configuration module for synchronised multi-drive systems	1	524167	
M-COM Configuration module for synchronised multi-drive systems	1	524177	
Audio Click	1	524122	



Attached assembly

- Flexible „side bow chain“ for narrow high windows
- Attached assembly with casement bracket F42
- Application: natural ventilation, RWA, ferralux®-NRWG
- Internal Intelligent Control Electronics S12
- Feedback limit position „CLOSE“ (max. 24 V, 500 mA)

Equipment

- Additional **AUMÜLLER-Click plug set** for multi-drive operation

Options

- Programmable special functions
- Programmable feedback limit position „OPEN“ (max. 24 V, 500 mA)
- M-COM for automatic synchronised run of multi drive systems and automatic sequence control with locking drives (S3 / S12)

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TECHNICAL DATA

U_N	Rated voltage	24 V DC (19 V ... 28 V)
I_N	Rated current	0,9 A
I_A	Cut-off current	1,2 A
P_N	Rated power	22 W
DC	Duty cycle	5 cycles (ED 30 % - ON: 3 min./OFF: 7 min.)
	Protection rating	IP 32
	Ambient temperature range	-5 °C ... +60 °C
F_Z	Pulling force max.	200 N
F_A	Pushing force max.	200 N
F_H	Pullout force	1.800 N (fastening depended)
	Chain	Stainless steel, without protruding rivet heads. Simple connection to casement brackets. Small bending radii allow maximum opening angles of small windows.
	Connecting cable	non-halogen, grey 5 x 0,5 mm ² , ~ 2 m
v	Speed	Factory settings: 8,0 mm/s 8,0 mm/s Adjustment range: 5 - 14 mm/s
s	Stroke	Factory settings: see order data Adjustment range: 5 - 400 mm
L	Length	see order data
	Feedback contact	limit position „CLOSE“ (max. 24 V, 500 mA)
	Sound pressure level	≤ 70 dB (A)

AUMÜLLER chain drives have an integrated cable routing with connection sockets on both housing ends. This enables the following options:

- **Wire Click** with various cabel lengths
Part.-No.: **501250** - 1 m cable length
501251 - 3 m cable length
501252 - 5 m cable length
501253 - 10 m cable length
- Series connection of several drives into multi drive systems
- Power supply from both sides

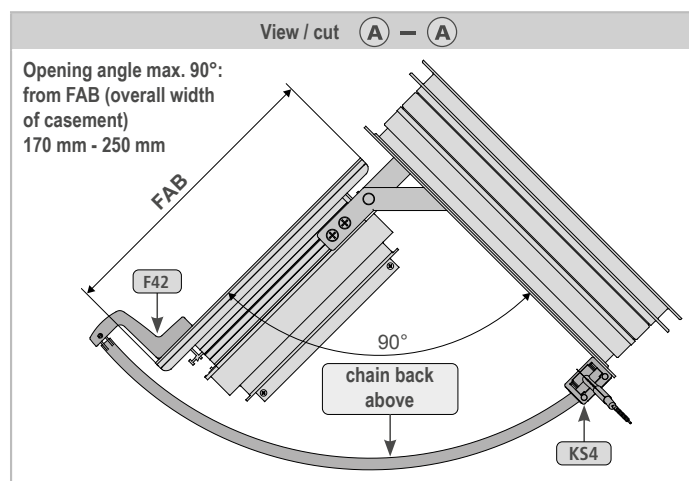
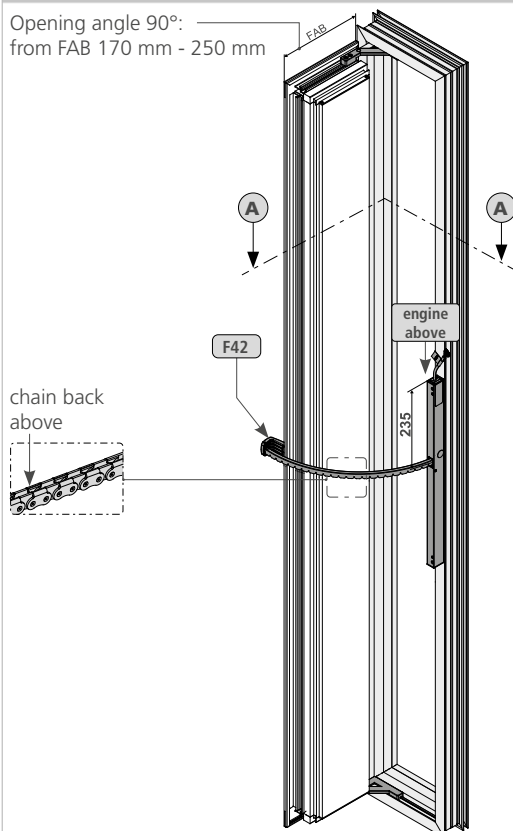
ORDER DATA

s [mm]	L [mm]	Version	Finish	PU / pcs.	Part.-No.		
400	551	KS4 400 S12 24V L stretched chain V1	E6/C-0	1	522540		
400	551	KS4 400 S12 24V R stretched chain V2	E6/C-0	1	522440		

OPTIONS

Special model	PU / pcs.	Part.-No.		
Drive housing painted/powder coated in other RAL colours				
Lump sum for coating		516030		
Specify at order stage:	1 – 20	516004		
	21 – 50	516004		
	51 – 100	516004		
	from 101	516004		
Plug solution:				
Wire Click - 1 m – non-halogen, grey – 5 x 0,5 mm ²	NEW	501250		
Wire Click - 3 m – non-halogen, grey – 5 x 0,5 mm ²		501251		
Wire Click - 5 m – non-halogen, grey – 5 x 0,5 mm ²		501252		
Wire Click - 10 m – non-halogen, grey – 5 x 0,5 mm ²		501253		
Microprocessor programming S12				
Electronic stroke reduction 24V S12		524190		
Programming drives 24V / 230V S12		524180		
Optional accessories	PU / pcs.	Part.-No.		
M-COM® Click Configuration module for synchronised multi-drive systems	1	524167		
M-COM Configuration module for synchronised multi-drive systems	1	524177		
Audio Click	1	524122		

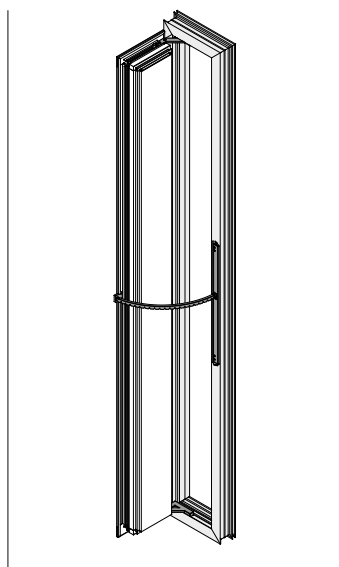
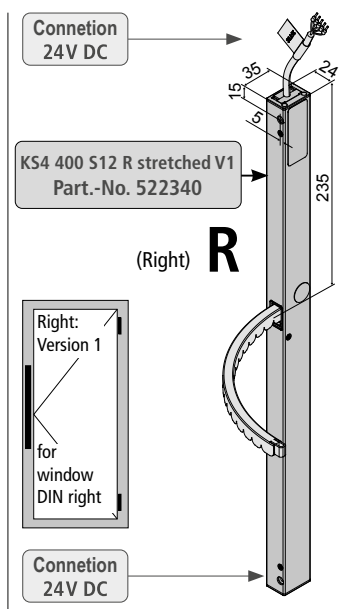
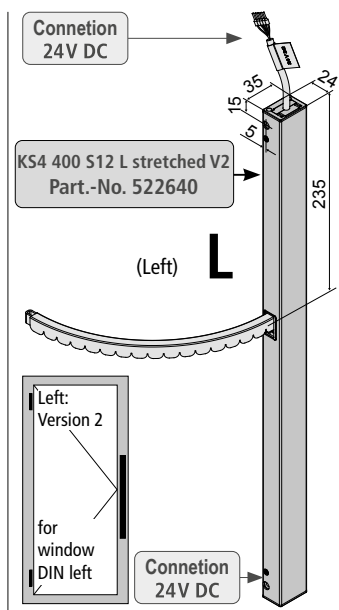
Attached assembly



Stroke programming

FAB	Stroke	Opening angle approx.
170	280	90°
180	305	90°
200	330	90°
225	350	90°
250	375	90°
275	400	85°
300	400	80°

The stroke is programmed: • according to the desired opening angle
• depending on the FAB



Concealed mounting inside profiles

- Flexible „side bow chain“ for narrow high windows
- Concealed mounting inside profiles with casement bracket F43 and frame bracket K133
- Application: natural ventilation, RWA, ferralux®-NRWG
- Internal Intelligent Control Electronics S12
- Feedback limit position „CLOSE“ (max. 24 V, 500 mA)

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Equipment

- Additional **AUMÜLLER-Click plug set** for multi-drive operation

Options

- Programmable special functions
- Programmable feedback limit position „OPEN“ (max. 24 V, 500 mA)
- M-COM for automatic synchronised run of multi drive systems and automatic sequence control with locking drives (S3 / S12)

TECHNICAL DATA

U_N	Rated voltage	24 V DC (19 V ... 28 V)
I_N	Rated current	0,9 A
I_A	Cut-off current	1,2 A
P_N	Rated power	22 W
DC	Duty cycle	5 cycles (ED 30 % - ON: 3 min./OFF: 7 min.)
	Protection rating	IP 32
	Ambient temperature range	-5 °C ... +60 °C
F_Z	Pulling force max.	200 N
F_A	Pushing force max.	200 N
F_H	Pullout force	1.800 N (fastening depended)
Chain		Stainless steel, without protruding rivet heads. Simple connection to casement brackets. Small bending radii allow maximum opening angles of small windows.
Connecting cable		non-halogen, grey 5 x 0,5 mm ² , ~ 2 m
v	Speed	Factory settings: 8,0 mm/s 8,0 mm/s Adjustment range: 5 - 14 mm/s
s	Stroke	Factory settings: see order data Adjustment range: 5 - 400 mm
L	Length	see order data
Feedback contact		limit position „CLOSE“ (max. 24 V, 500 mA)
Sound pressure level		≤ 70 dB (A)

AUMÜLLER chain drives have an integrated cable routing with connection sockets on both housing ends. This enables the following options:

- **Wire Click** with various cabel lengths
Part.-No.: **501250** - 1 m cable length
501251 - 3 m cable length
501252 - 5 m cable length
501253 - 10 m cable length
- Series connection of several drives into multi drive systems
- Power supply from both sides

ORDER DATA

s [mm]	L [mm]	Version	Finish	PU / pcs.	Part.-No.		
400	551	KS4 400 S12 24V L stretched chain V2	E6/C-0	1	522640		
400	551	KS4 400 S12 24V R stretched chain V1	E6/C-0	1	522340		

OPTIONS

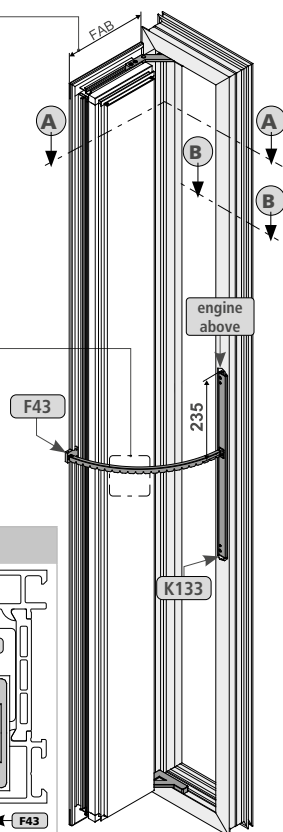
Special model	PU / pcs.	Part.-No.		
Drive housing painted/powder coated in other RAL colours				
Lump sum for coating		516030		
Specify at order stage:	1 – 20	516004		
	21 – 50	516004		
	51 – 100	516004		
	from 101	516004		
Plug solution:				
Wire Click - 1 m – non-halogen, grey – 5 x 0,5 mm ²	NEW	501250		
Wire Click - 3 m – non-halogen, grey – 5 x 0,5 mm ²		501251		
Wire Click - 5 m – non-halogen, grey – 5 x 0,5 mm ²		501252		
Wire Click - 10 m – non-halogen, grey – 5 x 0,5 mm ²		501253		
Microprocessor programming S12				
Electronic stroke reduction 24V S12		524190		
Programming drives 24V / 230V S12		524180		
Optional accessories	PU / pcs.	Part.-No.		
M-COM® Click Configuration module for synchronised multi-drive systems	1	524167		
M-COM Configuration module for synchronised multi-drive systems	1	524177		
Audio Click	1	524122		

Concealed mounting inside profiles

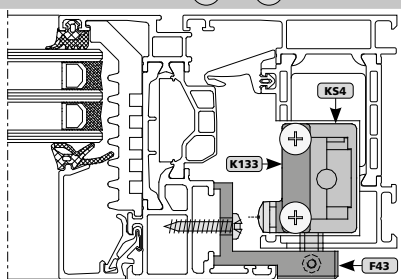
Opening angle 90°:
from FAB 170 mm - 250 mm

Planning of the „concealed mounting
inside profiles“ on request!

chain back
above

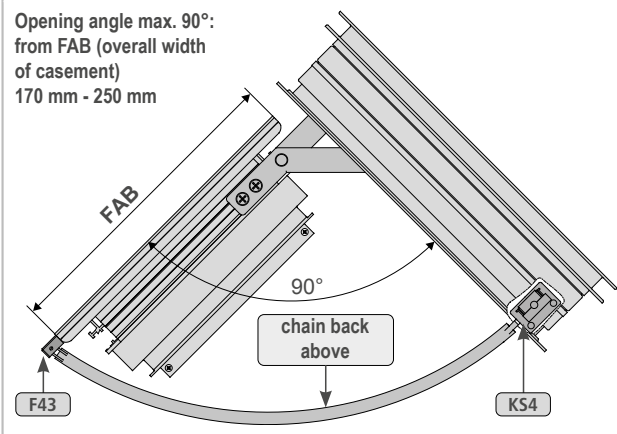


View / cut B – B



View / cut A – A

Opening angle max. 90°:
from FAB (overall width
of casement)
170 mm - 250 mm



Stroke programming

FAB	Stroke	Opening angle approx.
170	280	90°
180	305	90°
200	330	90°
225	350	90°
250	375	90°
275	400	85°
300	400	80°

The stroke is programmed: • according to the desired opening angle
• depending on the FAB

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- Kit for side-hung window with a casement **opening angle ~70°**.
- The KS4 drive is pre-programmed for a **stroke of 350 mm**.
- Application: natural ventilation, RWA, ferralux®-NRWG
- Internal Intelligent Control Electronics S12
- Feedback limit position „CLOSE“ (max. 24 V, 500 mA)

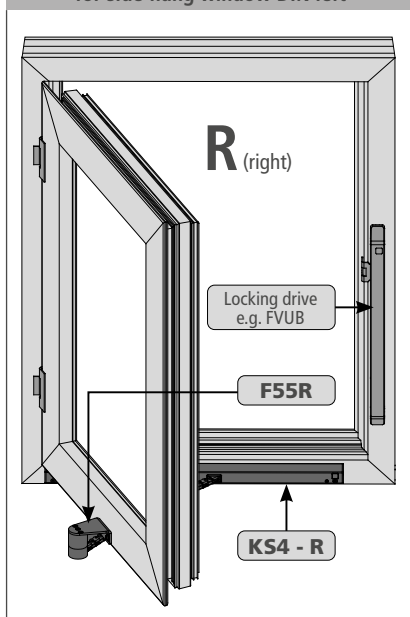
Equipment

- Additional **AUMÜLLER-Click plug set** for multi-drive operation

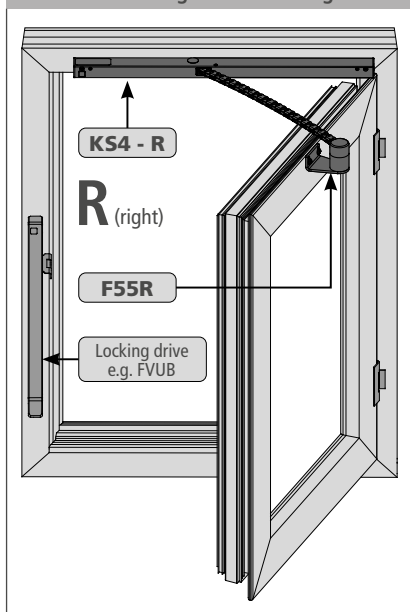
Optionen

- Programmable special functions
- Programmable feedback limit position „OPEN“ (max. 24 V, 500 mA)
- M-COM for automatic synchronised run of multi drive systems and automatic sequence control with locking drives (S3 / S12)

Drehvolution Set 1 (KS4R and F55R)
for side-hung window DIN left



Drehvolution Set 1 (KS4R and F55R)
for side-hung window DIN right



TECHNICAL DATA

U_N	Rated voltage	24 V DC (19 V ... 28 V)
I_N	Rated current	0,9 A
I_A	Cut-off current	1,2 A
P_N	Rated power	22 W
DC	Duty cycle	5 cycles (ED 30 % - ON: 3 min./OFF: 7 min.)
	Protection rating	IP 32
	Ambient temperature range	-5 °C ... +60 °C
F_Z	Pulling force max.	400 N
F_A	Pushing force max.	200 N
F_H	Pullout force	1.800 N (fastening depended)
	Chain	Stainless steel, without protruding rivet heads. Simple connection to casement brackets. Small bending radii allow maximum opening angles of small windows.
	Connecting cable	non-halogen, grey 5 x 0,5 mm ² , ~ 2 m
v	Speed	Factory settings: 8,0 mm/s 8,0 mm/s Adjustment range: 5 - 14 mm/s
s	Stroke	Factory settings: see order data Adjustment range: 5 - 350 mm
L	Length	551 mm
	Feedback contact	limit position „CLOSE“ (max. 24 V, 500 mA)
	Sound pressure level	≤ 70 dB (A)

- *) **FAB = to max. 1200 mm**
FAB ≤ 1000 mm use 1x Drehvolution
FAB > 1000 mm use 2x Drehvolution Set 1 + Set 2 (synchron operation)

Space requirement on the frame = 26 mm

These window sizes are only recommendations.
 A stable side-hung window - with an additional locking drive - is required!

- **) **FAH = to max. 2000 mm**
FAH ≤ 1200 mm use 1x Drehvolution
FAH > 1200 mm use 2x Drehvolution Set 1 + Set 2 (synchron operation)

- *) FAB = Overall width of casement
 **) FAH = Overall height of casement

TÜVNORD
TÜV NORD CERT GmbH

**Baumuster
geprüft**

tuev-nord.de

- Kit for side-hung window with a casement **opening angle ~70°**.
- The KS4 drive is pre-programmed for a **stroke of 350 mm**.
- Application: natural ventilation, RWA, ferralux®-NRWG
- Internal Intelligent Control Electronics S12
- Feedback limit position „CLOSE“ (max. 24 V, 500 mA)

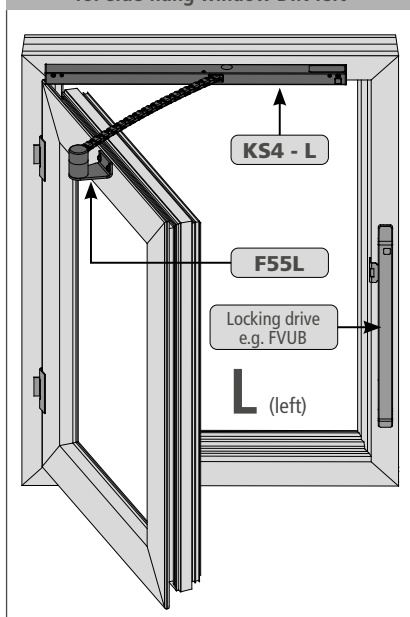
Equipment

- Additional **AUMÜLLER-Click plug set** for multi-drive operation

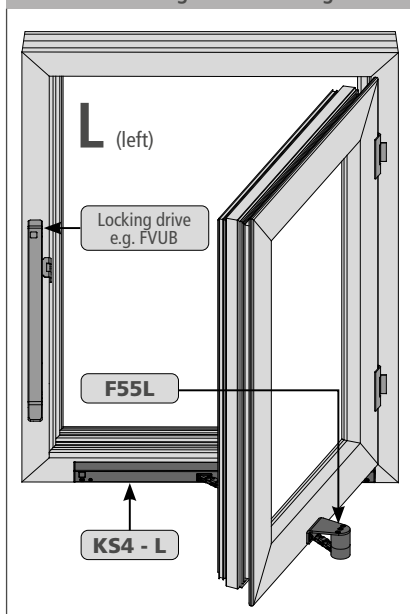
Optionen

- Programmable special functions
- Programmable feedback limit position „OPEN“ (max. 24 V, 500 mA)
- M-COM for automatic synchronised run of multi drive systems and automatic sequence control with locking drives (S3 / S12)

**Drehvolution Set 2 (KS4L and F55L)
for side-hung window DIN left**



**Drehvolution Set 2 (KS4L and F55L)
for side-hung window DIN right**



TECHNICAL DATA

U_N	Rated voltage	24 V DC (19 V ... 28 V)
I_N	Rated current	0,9 A
I_A	Cut-off current	1,2 A
P_N	Rated power	22 W
DC	Duty cycle	5 cycles (ED 30 % - ON: 3 min./OFF: 7 min.)
	Protection rating	IP 32
	Ambient temperature range	-5 °C ... +60 °C
F_Z	Pulling force max.	400 N
F_A	Pushing force max.	200 N
F_H	Pullout force	1.800 N (fastening depended)
	Chain	Stainless steel, without protruding rivet heads. Simple connection to casement brackets. Small bending radii allow maximum opening angles of small windows.
	Connecting cable	non-halogen, grey 5 x 0,5 mm ² , ~ 2 m
v	Speed	Factory settings: 8,0 mm/s 8,0 mm/s Adjustment range: 5 - 14 mm/s
s	Stroke	Factory settings: see order data Adjustment range: 5 - 350 mm
L	Length	551 mm
	Feedback contact	limit position „CLOSE“ (max. 24 V, 500 mA)
	Sound pressure level	≤ 70 dB (A)

- *) FAB = to max. 1200 mm**
FAB ≤ 1000 mm use 1x Drehvolution
FAB > 1000 mm use 2x Drehvolution Set 1 + Set 2 (synchron operation)

Space requirement on the frame = 26 mm

These window sizes are only recommendations.
A stable side-hung window - with an additional locking drive - is required!

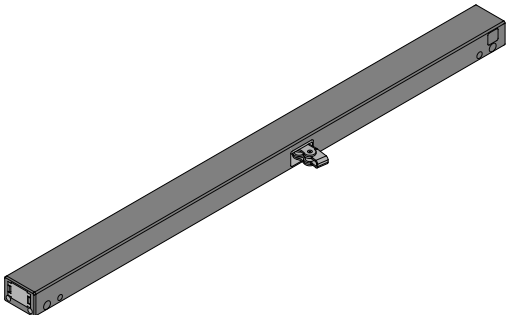
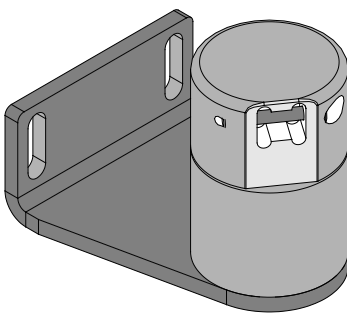
- **) FAH = to max. 2000 mm**
FAH ≤ 1200 mm use 1x Drehvolution
FAH > 1200 mm use 2x Drehvolution Set 1 + Set 2 (synchron operation)

***) FAB = Overall width of casement**

****) FAH = Overall height of casement**

ORDER DATA						
s [mm]	L [mm]	Version	Finish	PU/pcs.	Part.-No.	
350	551	Drehvolution - KS4 - Set 1 (right)	E6/C-0	1	522035	
350	551	Drehvolution - KS4 - Set 2 (left)	E6/C-0	1	520035	

OPTIONS				
Painting on request				
Plug solution:				
Wire Click - 1 m – non-halogen, grey – 5 x 0,5 mm ²	NEW	501250		
Wire Click - 3 m – non-halogen, grey – 5 x 0,5 mm ²		501251		
Wire Click - 5 m – non-halogen, grey – 5 x 0,5 mm ²		501252		
Wire Click - 10 m – non-halogen, grey – 5 x 0,5 mm ²		501253		
Microprocessor programming S12				
Electronic stroke reduction 24V S12		524190		
Programming drives 24V / 230V S12		524180		
Optionales Zubehör	PU/pcs.	Part.-No.		
M-COM® Click Configuration module for synchronised multi-drive systems	1	524167		
M-COM Configuration module for synchronised multi-drive systems	1	524177		
Audio Click	1	524122		

Scope of delivery: Drehvolution - KS4			
			
Chain drive:	KS4 400 S12 24V DC	Casement bracket:	F55
depending on the version:	L (left) R (right)	depending on the version:	L (left) R (right)
Connecting cable:	non-halogen, grey 5 x 0,5 mm ² , ~ 2 m		

OVERVIEW OF BRACKETS											
Typical application					1	2	3	4	5		
Frame bracket					K134	K132	No	K133	K135		
Casement bracket					F41	F42	F42	F43	F19		
Space requirement		min.	[mm]		20	28	27				
Overlap thickness (*1			[mm]		0 - 21	5 - 21	0 - 21				
Opening angle (*2		max.	[DEG]		45	60	40				
Casement weight (*3		max.	[Kg]		85	70	85				
Window material			Alu		●	●	●	●	●		
			Wood		●	●	●	●	●		
			PVC		●	●	●	●	●		
Type of window and mounting	Bottom hung	inward	HSK	FM	●						
				RM		●	●				
			NSK	FM	●	●					
				RM			●				
		outward	HSK	RM	●	●					
				PR							
			NSK	RM	●	●					
				PR							
	Top hung	inward	HSK	FM	■	■					
				RM			■				
			NSK	FM	■	■					
				RM			■				
		outward	HSK	RM	■	●					
				PR							
			NSK	RM	■	■					
				PR							
	Side hung	inward	HSK	FM	●	●					
				RM			●				
			NSK	FM							
				RM							
	Roof	outward	HSK	RM	■	■					
				PR							
			NSK	RM							
				PR							
			PAF	outward		RM	●	●			
			Concealed							●	●
FAB (*4		Solo	[mm]		600 - 1200						
FAH (*4		Solo	[mm]		250 - 1500						

LEGEND

● suitable ■ not recommended

(*1) Window sizes and opening angles may be different.

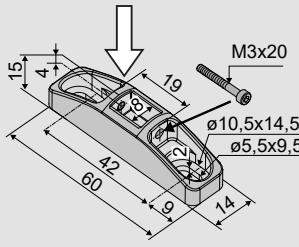
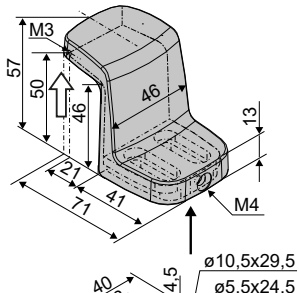
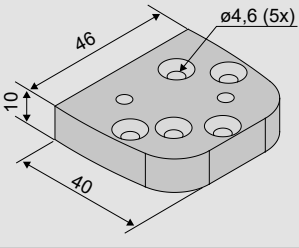
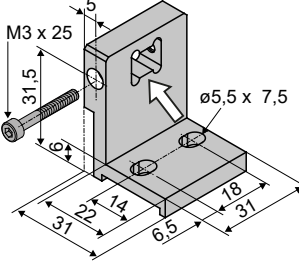
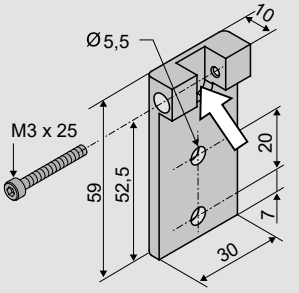
(*2) Sample values of the opening angle evaluated on the basis of FAB/FAH for inward opening windows with drives mounted at the main closing edge. For any other window heights, for outward opening windows and for windows with drives mounted at the side edges the opening angle will vary.

(*3) Please respect the individual geometry of the different windows. The listed max. casement weight refers to a single drive on button hung window with a max. opening angle.

(*4) Sample value of the casement dimensions for corner joints of 110 mm. The actual casement dimensions depend on length of the corner joints, profile dimensions, stroke and position of the drives. The values of FAB/FAH are to be used analogue for side hung windows.

TYPICAL APPLICATIONS		
1 FM, bottom hung inward opening	2 RM, bottom hung inward opening	3 RM, bottom hung inward opening
View on aluminium window	View on aluminium window	View on aluminium window
1 RM, top hung outward opening	3 RM, bottom hung inward opening	3 RM, top hung inward opening
View on aluminium window	View on wood window	View on aluminium window
4 PE (profile installation) in the frame bottom hung, inward opening	5 PE (profile installation) in the frame bottom hung, inward opening	
View on aluminium window	View on wood window	

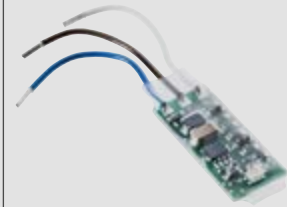
CASEMENT BRACKETS

F41		Application Surface mounting on the casement profiles of inward opening windows, for swivelling fixing of drives KS4 with K132, K134 Chain fixing in direction of the arrow	Part.-No. 151440 Material / Finish Cast aluminum, bright chrome Feature / Equipment 1x screw M3x20 1x Drilling template	
F42		Application Surface mounting on the casement profiles of inward opening windows, for surface mounted drives KS4 Chain fixing in direction of the arrow	Part.-No. 151441 Material / Finish Cast aluminum, bright chrome Feature / Equipment 1x baseplate 1x countersunk screw M4x10 1x screw M3x25 1x Drilling template	
F42-Sup- port		Application F42-Support as a compensating plate when mounting on the wooden windows and plastic windows t = 10 mm	Part.-No. 523961 Material / Finish aluminum (E6/C-0)	
F43		Application Surface mounting on the casement profiles of inward opening windows Schüco AWS 75, for the profile-integrated installation of drives KS4 with K133. Chain fixing in direction of the arrow	Part.-No. 151444 Material / Finish Aluminum Feature / Equipment 1x cylinder head screw M3x25	
F19		Application Surface mounting on the casement profiles of inward opening windows, for the profile-integrated installation of drives KS4 with K135. Chain fixing in direction of the arrow	Part.-No. 151419 Material / Finish Aluminum Feature / Equipment 1x cylinder head screw M3x25	

OPTIONAL ACCESSORIES

Main control unit

M-COM



Application

Configuration module for automatic configuration and monitoring of max. 4 opening drives / 2 locking drives version S12 / S3 in synchronised multi-drive systems

Rated voltage:

24 V DC (19 V ... 28 V)

Current consumption: <12 mA

Drive type: S12

Protection rating

IP30 rubber envelope

Part.-No. 524177

Ambient temperature range:
0 °C ... +70 °C

Dimensions

45 x 17 x 6 mm

Connecting wires

3 wires 0,5 mm² x 50 mm

Feature/Equipment

Printed circuit board with components and connection wires to be installed in connection box to be supplied on site

M-COM® Click



Application

Configuration module for automatic configuration and monitoring of max. 4 opening drives / 2 locking drives version S12 / S3 in synchronised multi-drive systems

Rated voltage:

24 V DC (19 V ... 28 V)

Current consumption: <12 mA

Drive type: S12

Protection rating: IP30

Part.-No. 524167

Ambient temperature range:
-5 °C ... +70 °C

Dimensions:

40 x 26 x 15 mm

Connection:

for **AUMÜLLER** drives with

Wire Click

Equipment

Tongs for removing the M-COM® Click

Plug solution

Wire Click



Application

Wire Click:

Unitary plug-solution for **AUMÜLLER** Click System.

Rated voltage:

24 V DC (19 V ... 28 V)

Connecting cable:

non-halogen, grey 5 x 0,5 mm²

Terminal: up to 1,5 mm²

Feature/Equipment

- Flexible cable length
- Connect multiple drives in series connection
- Torsion-plug
- Locking hooks prevent withdrawal of the plug under tensile load
- Strain relief according DIN EN 60335-1 by screwing the housing halves

VARIANTEN: 24V - Silicone

1 m cable length - 24V DC

Part.-No. 501250

NEW

3 m cable length - 24V DC

Part.-No. 501251

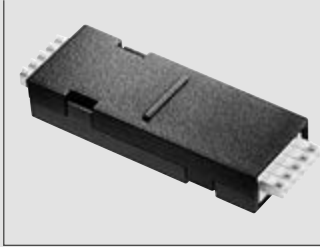
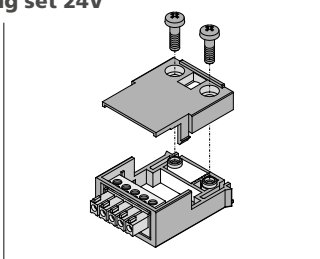
5 m cable length - 24V DC

Part.-No. 501252

10 m cable length - 24V DC

Part.-No. 501253

OPTIONAL ACCESSORIES

Connection plug			
Connect Click 	Application Connect Click is a connection plug for rigid mounting of two drives. Rated voltage: 24 V DC (19 V ... 28 V) Dimension: 70 x 26 x 13 mm	Part.-No. 524123 Feature / Equipment • Torsion-plug • Replaces disturbing cables • Creates a visually consistent image on the window without disturbing, visible cables.	
Click plug set 24V 	Application Click plug set 24V is an additional connector head for Wire Click to connect multiple drives. Cable: 5 x 0,5 mm ² Terminal: up to 1,5 mm ²	Part.-No. 533999 Feature / Equipment • Torsion-plug • Locking hooks prevent withdrawal of the plug under tensile load • Strain relief according DIN EN 60335-1 by screwing the housing halves	
Click module			
Audio Click Main control unit 	Application Click module with acoustic signal for the implementation of anti-pinch protection solutions. And integrated main control unit for automatic configuration and monitoring of max. 4 opening drives and 2 locking drives in version S12 / S3 synchronised multi-drive systems. Rated voltage: 24 V DC +/- 20%, (max. 2 Vss) Current consumption: < 12 mA Control type: S12	Part.-No. 524122 Protection rating: IP 30 Ambient temperature range: -5 °C ... +70 °C Dimensions: 40 x 26 x 15 mm Connection: AUMÜLLER Click Equipment: Tongs for removing the Audio Click	

CASEMENT BRACKETS AND FRAME BRACKETS

Special model	PU/pcs.	Part.-No.	
Casement brackets painted / powder coated in other RAL colours			
Lump sum for coating		516030	
Specify at order stage:	1 – 20	516032	
	21 – 50	516032	
	51 – 100	516032	
	from 101	516032	
Frame brackets painted / powder coated in other RAL colours			
Lump sum for coating		516030	
Specify at order stage:	1 – 20	516031	
	21 – 50	516031	
	51 – 100	516031	
	from 101	516031	