



FTA600 R

FTA600 R FOLDING ARM DRIVES

- Model 24V DC, S12
- Pulling/Pushing force 215 Nm / 215 Nm
- Opening angle (lever) 5 – 93 Degree, programmable
- Speed 1,5 - 2,5 Degree/s, programmable
- Housing (WxH) 40 x 56 x 421 mm, aluminum
- Opening mechanism Lever arm 20 x 30 x 405 mm, aluminum
- Version Solo with roller for air inlets
- Protection rating IP32

**FTA600
R**



FTA600 DF

FTA600 DF FOLDING ARM DRIVES

- Model 24V DC, S12
- Pulling/Pushing force 215 Nm / 215 Nm
- Opening angle (lever) 5 – 93 Degree, programmable
- Speed 1,5 - 2,5 Degree/s, programmable
- Housing (WxH) 40 x 56 x 421 mm, aluminum
- Opening mechanism Lever arm 20 x 30 x 381 mm, aluminum
- Version Solo with knuckle joint for side-hung inward opening windows
- Protection rating IP32

**FTA600
DF**



FTA600 GF

FTA600 GF FOLDING ARM DRIVES

- Model 24V DC, S12
- Pulling/Pushing force 215 Nm / 215 Nm
- Opening angle (lever) 5 – 93 Degree, programmable
- Speed 1,5 - 2,5 Degree/s, programmable
- Housing (WxH) 40 x 56 x 421 mm, aluminum
- Opening mechanism Lever arm 20 x 30 x 444 mm, aluminum
- Version Solo with slide rail for side hung outward opening windows
- Protection rating IP32

**FTA600
GF**

FOLDING ARM DRIVES																
Type	Form	Model		Opening angle (Factory setting)	Torque		Speed (Factory setting)		Cut-off current	Use			Location	Functions		
		Type of cut-off	Rated voltage	Range	Opening torque	Closing torque	OPEN	CLOSE	Max.	Natural ventilation	RWA	NRWG	Facade	Run monitoring	Synchronised run	Sequence control
			[VDC]	[°]	[Nm]	[Nm]	[°/s]	[°/s]	[A]							
FTA	FTA R	S12	24	93	215	215	2,0	2,0	1,4	●	●	●	●	●	●	●
	FTA DF					215				●	●	●	●	●	●	●
	FTA GF					215				●	●	●	●	●	●	●

LEGEND

● suitable ■ not recommended

S12 internal intelligent cut-off switch for synchronised run and programmable functions



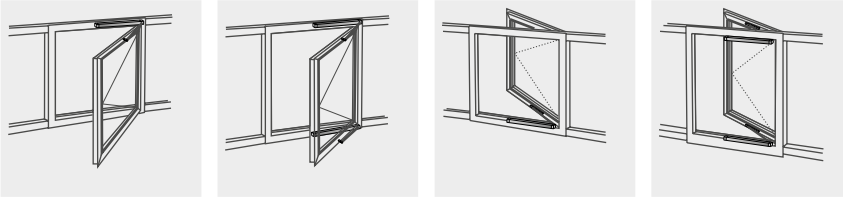
SPECIAL FEATURES FTA600

- For natural ventilation, smoke and heat exhausting systems and ferralux® NRWG (EN12101-2)
- Type:
 - R – with role: The folding arm opens via role for air inlets at 90°
 - DF – with knuckle-joint for opening/closing of side hung inward opening windows at 90°
 - GF – with slide rail for opening/closing of side hung outward opening windows at 90°
- Opening time of 45 s for 90° opening angle
- Programmable voltage free contact
- Robust corrosion-resistant design
- Easy installation due to holes in the end caps of housing
- Programmable parameters of Internal Intelligent Control Electronics S12
 - 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
- Suitable for M-COM for automatic synchronised run of multi drive systems and automatic sequence control with locking drives

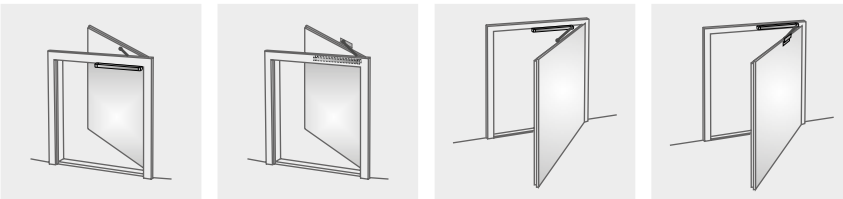
For this product series, a Type III Environmental Product Declaration (EPD) was issued according to ISO 14025 and EN 15804.
 The LCA results of the different product types are listed at the end of this product catalogue.
 The EPD documents can be viewed or downloaded from our homepage www.aumueller-gmbh.de.

FACADE

Side-hung (FTA600 DF/GF)

**INLET AIR**

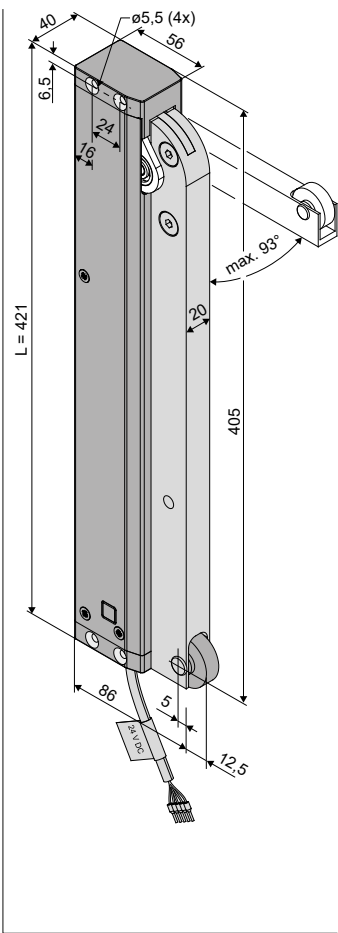
Floor-to-ceiling windows (FTA600 R)



- Application: natural ventilation, RWA
- Mainly for supply air openings
- Internal Intelligent Control Electronics S12
- Programmable contact for opener
- Unitary plug-solution for AUMÜLLER Click System

Options

- Programmable special functions
- M-COM for automatic synchronised run of multi drive systems and automatic sequence control with locking drives (S3 / S12)
- Various customised programmings on request



TECHNICAL DATA

U_N	Rated voltage	24 V DC (19 V ... 28 V)
I_N	Rated current	1,0 A
I_A	Cut-off current	1,4 A
P_N	Rated power	24 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
M_A	Force (Torque) OPEN (max.)	600 N (~ 215 Nm)
M_Z	Force (Torque) CLOSE (max.)	600 N (~ 215 Nm)
F_H	Pullout force	3.000 N (fastening depended)
	Lever arm	aluminium (RAL9006)
	Connecting cable	non-halogen, grey 5 x 0,5 mm ² , ~ 3 m
v	Speed (constant at 2/3 load)	Factory settings:  2,0°/s (45 s for 0° - 90°)  2,0°/s (45 s for 0° - 90°) Adjustment range: 1,5 - 2,5 °/s
s	Stroke length (lever)	Factory settings: 93° (± 5%) Adjustment range: 5 - 93°
L	Length	421 mm
	Potential free contact	max. 24 VDC / 0,5A, programmable
	Sound pressure level	≤ 70 dB (A)

ORDER DATA

s [DEG]	L [mm]	Version	Finish	PU/pcs.	Part.-No.		
0° – 93°	421	FTA600 R S12 24V	E6/C-0	1	524144		
Accessories				PU/pcs.	Part.-No.		
K88 Casement bracket FTA600 R				1	524156		

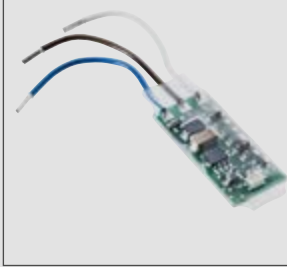
OPTIONS

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		
Microprocessor programming S12				
Electronic stroke reduction 24V S12	1	524190		
Programming drives 24V / 230V S12		524180		
Optional accessories				
Configuration module for synchronised multi-drive systems	1	524177		

OPTIONAL ACCESSORIES

Main control unit and plug solution

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

Wire Click



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

VARIANTS: 24V - Silicone

3 m cable length - 24V DC

Part.-No. 501251

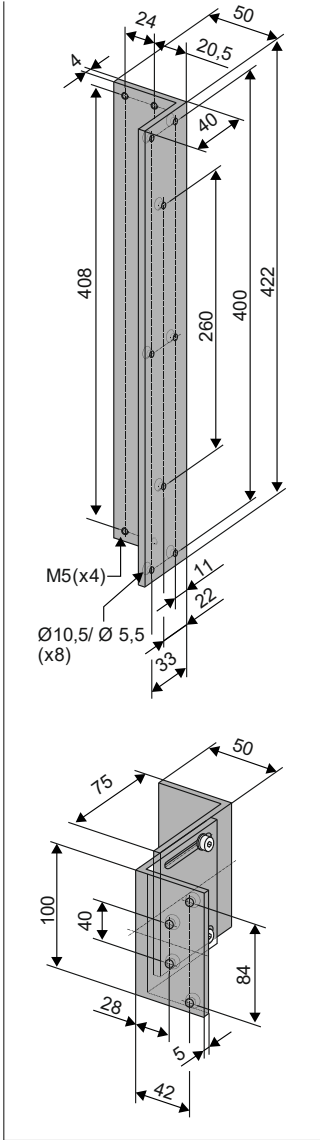
5 m cable length - 24V DC

Part.-No. 501252

10 m cable length - 24V DC

Part.-No. 501253

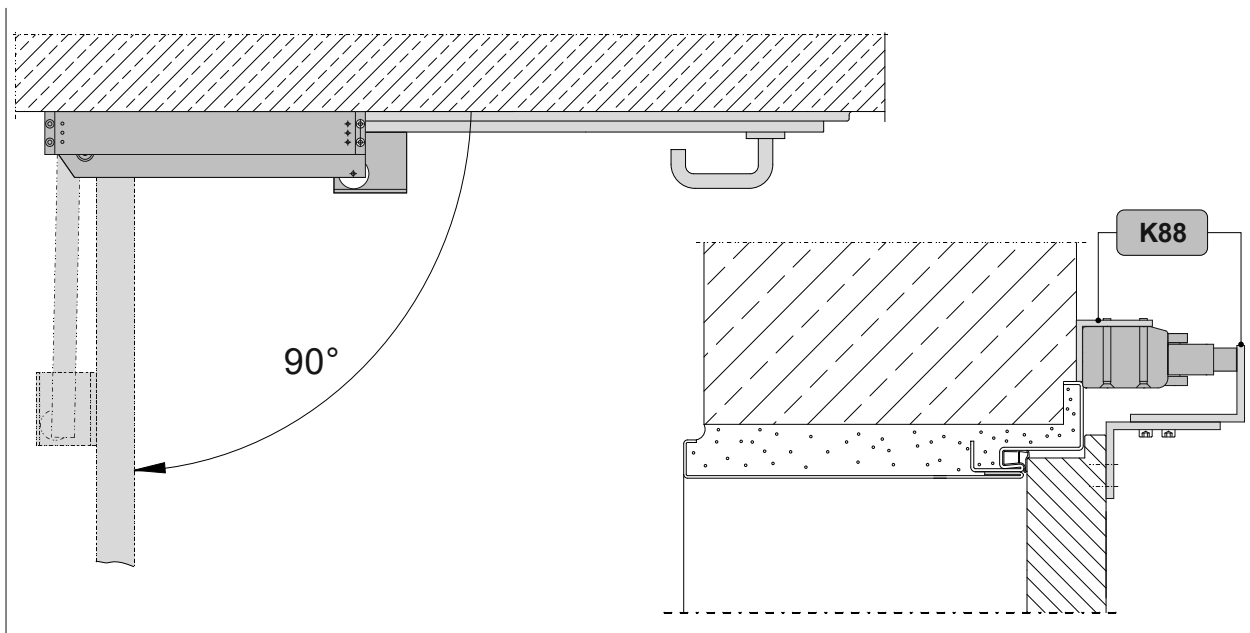
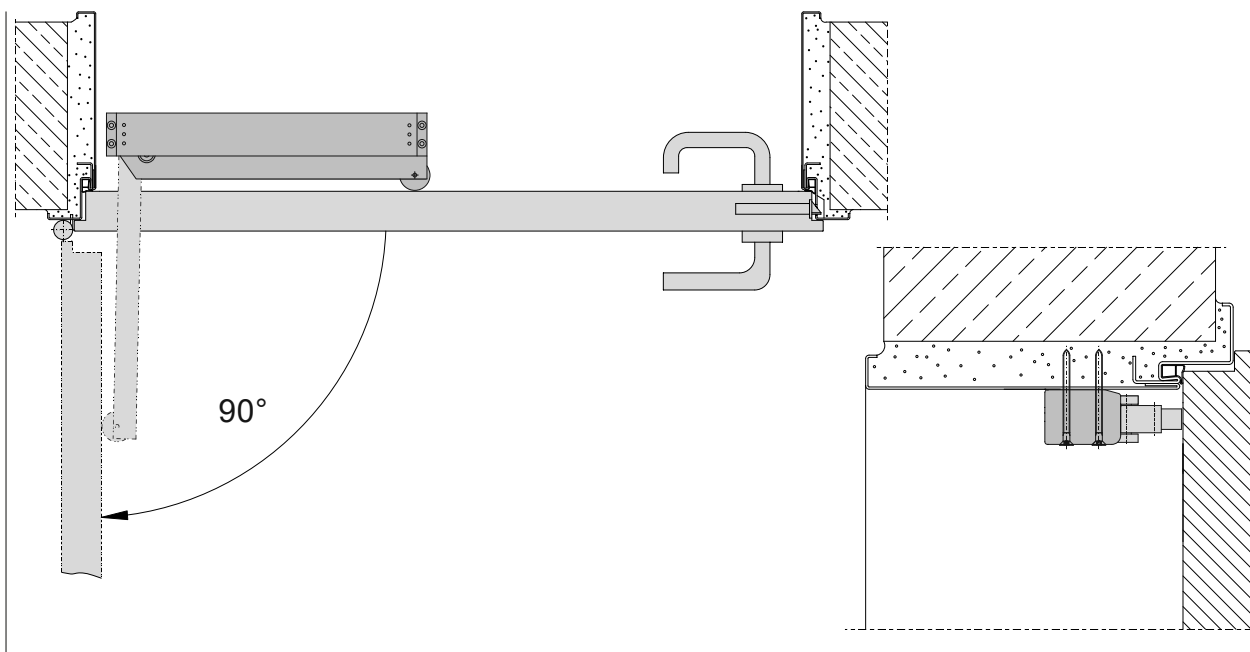
OPTIONAL ACCESSORIES

Casement bracket			
K88		Application Surface mounting on the side closing edge of frame profiles of inward opening floor-to-ceiling windows as air inlets. Angle bracket 422 mm for mounting of FTA600-R on the frame profile. Two angle brackets 100 mm for mounting on the floor-to-ceiling windows as sliding guidance of the carrier role, adjustable for compensation of the overlap.	Part.-No. 524156 Material/Finish aluminium Feature/Equipment 1x angle 50 x 40 x 422 (t = 4) mm 2x angles 50 x 75 x 100 (t = 5) mm fixing screws and nuts Load max. 600 N

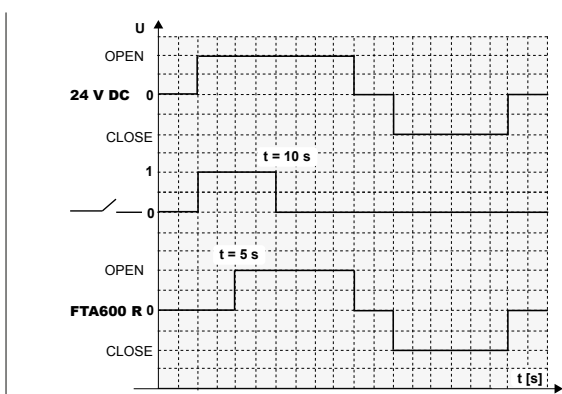
FRAME BRACKETS

Special model	PU/pcs.	Part.-No.	
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	

Typical applications



Contact diagramm



After application of the voltage, the floor-to-ceiling windows lock contact is activated for 10 seconds. With a delay of about 5 seconds, the drive arm of the folding arm drives FTA600 R starts moving and opens to an angle of max. 93°.

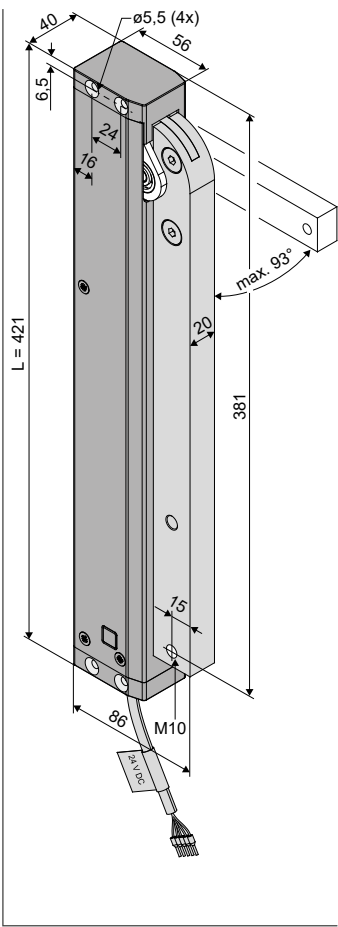
During the **closing operation**, the floor-to-ceiling window lock contact is not activated.



- Application: natural ventilation, RWA
- Mainly for opening and closing of side-hung inward opening windows
- Internal Intelligent Control Electronics S12
- Programmable contact for feedback
- Unitary plug-solution for AUMÜLLER Click System

Options

- Programmable special functions
- M-COM for automatic synchronised run of multi drive systems and automatic sequence control with locking drives (S3 / S12)
- Various customised programmings on request



TECHNICAL DATA

U_N	Rated voltage	24 V DC (19 V ... 28 V)
I_N	Rated current	1,0 A
I_A	Cut-off current	1,4 A
P_N	Rated power	20 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
M_A	Force (Torque) OPEN (max.)	600 N (~ 215 Nm)
M_Z	Force (Torque) CLOSE (max.)	600 N (~ 215 Nm)
F_H	Pullout force	3.000 N (fastening depended)
	Lever arm	aluminium (RAL9006)
	Connecting cable	non-halogen, grey 5 x 0,5 mm ² , ~ 3 m
v	Speed (constant at 2/3 load)	Factory settings: 2,0°/s (45 s for 0° - 90°) 2,0°/s (45 s for 0° - 90°) Adjustment range: 1,5 - 2,5 °/s
s	Stroke length (lever)	Factory settings: 93° (± 5%) Adjustment range: 5 - 93°
L	Length	421 mm
	Potential free contact	max. 24 VDC / 0,5A, programmable
	Sound pressure level	≤ 70 dB (A)

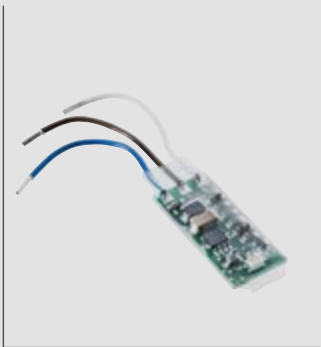
ORDER DATA

s [DEG]	L [mm]	Version	Finish	PU/pcs.	Part.-No.		
0° – 93°	421	FTA600 DF S12 24V	E6/C-0	1	524145		
Accessories				PU/pcs.	Part.-No.		
K103 Casement bracket FTA600 DF				1	524172		

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		
Microprocessor programming S12				
Electronic stroke reduction 24V S12	1	524190		
Programming drives 24V / 230V S12		524180		
Optional accessories				
Configuration module for synchronised multi-drive systems	1	524177		

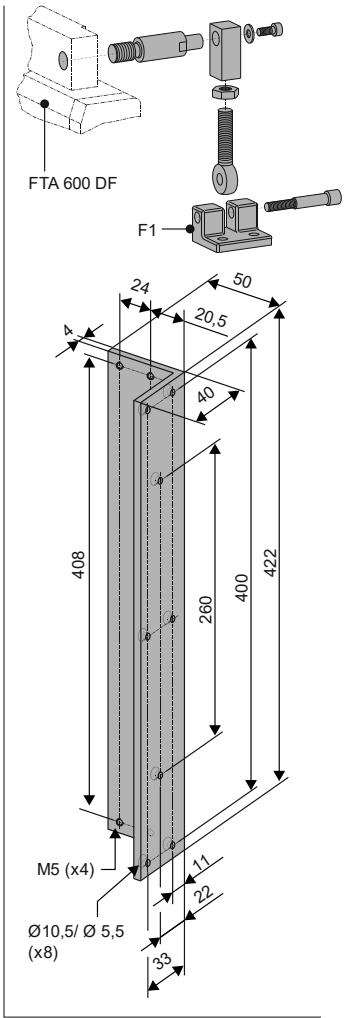
OPTIONAL ACCESSORIES

Main control unit and plug solution				
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	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	
		Rated voltage: 24 V DC (19 V ... 28 V) Current consumption: <12 mA Drive type: S12 Protection rating IP30 rubber envelope		
Wire Click		Wire Click: Unitary plug-solution for AUMÖLLER Click System.	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	
		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		
		VARIANTS: 24V - Silicone		
		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			

ACCESSORIES

Casement bracket

K103



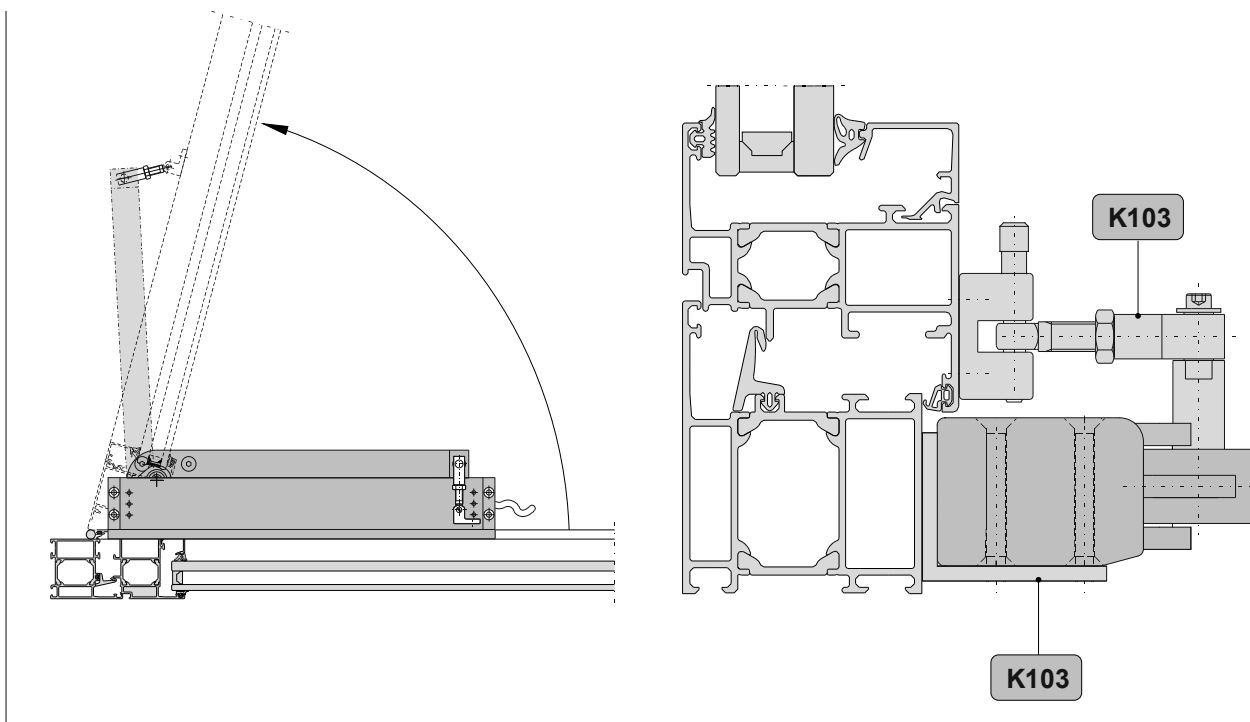
Application
Surface mounting on the **side closing edge** of window frame profiles of **inward opening side-hung** windows.
 Angle bracket **422 mm** for mounting of FTA600-DF on the window frame profile.
 F1 for mounting on the casement profile and for the fixing with the knuckle joint, adjustable for compensation of the overlap.

Part.-No. 524172
Material/Finish
 aluminium
Feature/Equipment
 1x angle 50 x 40 x 422
 (t = 4) mm
 1x casement bracket F1
 1x fixing accessories
Load
 max. 600 N

FRAME BRACKETS

Special model	PU/pcs.	Part.-No.	
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	

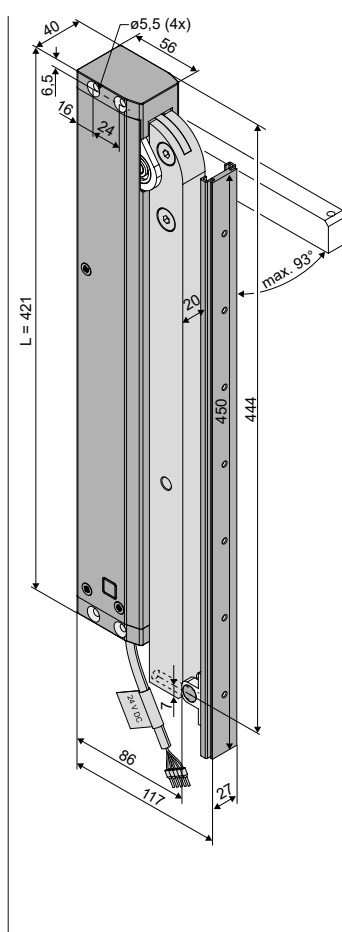
Typical applications



- Application: natural ventilation, RWA
- Mainly for opening and closing of side-hung outward opening windows
- Internal Intelligent Control Electronics S12
- Programmable contact for feedback
- Unitary plug-solution for AUMÜLLER Click System

Options

- Programmable special functions
- M-COM for automatic synchronised run of multi drive systems and automatic sequence control with locking drives (S3 / S12)
- Various customised programmings on request



TECHNICAL DATA

U_N	Rated voltage	24 V DC (19 V ... 28 V)
I_N	Rated current	1,0 A
I_A	Cut-off current	1,4 A
P_N	Rated power	20 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
M_A	Force (Torque) OPEN (max.)	600 N (~ 215 Nm)
M_Z	Force (Torque) CLOSE (max.)	600 N (~ 215 Nm)
F_H	Pullout force	3.000 N (fastening depended)
	Lever arm	aluminium (RAL9006)
	Connecting cable	non-halogen, grey 5 x 0,5 mm ² , ~ 3 m
v	Speed (constant at 2/3 load)	Factory settings:  2,0°/s (45 s for 0° - 90°) Adjustment range: 1,5 - 2,5 °/s
s	Stroke length (lever)	Factory settings: 93° (± 5%) Adjustment range: 5 - 93°
L	Length	455 mm
	Potential free contact	max. 24 VDC / 0,5A, programmable
	Sound pressure level	≤ 70 dB (A)

ORDER DATA

s [DEG]	L [mm]	Version	Finish	PU/pcs.	Part.-No.		
0° – 93°	455	FTA600 GF S12 24V	E6/C-0	1	524146		
Accessories				PU/pcs.	Part.-No.		
K104 Casement bracket FTA600 GF				1	524173		

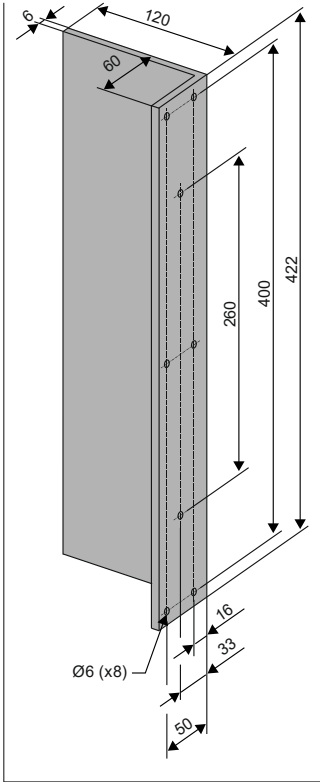
OPTIONS

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		
Microprocessor programming S12				
Electronic stroke reduction 24V S12	1	524190		
Programming drives 24V / 230V S12		524180		
Optional accessories				
Configuration module for synchronised multi-drive systems	1	524177		

OPTIONAL ACCESSORIES

Main control unit and plug solution					
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	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		
		Rated voltage: 24 V DC (19 V ... 28 V) Current consumption: <12 mA Drive type: S12 Protection rating IP30 rubber envelope			
Wire Click		Wire Click: Unitary plug-solution for AUMÜLLER Click System.	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		
		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			
		VARIANTS: 24V - Silicone			
		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				

ACCESSORIES

Casement bracket			
K104		Application Surface mounting on the side closing edge of window frame profiles of outward opening side-hung windows. Angle bracket 422 mm for mounting of FTA600-GF on the window frame profile. The slide rail of has to be mounted on the casement profile.	Part.-No. 524173 Material/Finish aluminium Feature/Equipment 1x angle 120 x 60 x 422 (t = 6) mm 4x countersunk screws, M5x45 mm Load max. 600 N

FRAME BRACKETS

Special model	PU/pcs.	Part.-No.	
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	

Typical applications

