

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, aluminuim
Opening mechanism	Lever arm 20 x 30 x 405 mm, aluminuim
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, aluminuim
Opening mechanism	Lever arm 20 x 30 x 381 mm, aluminuim
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, aluminuim
Opening mechanism	Lever arm 20 x 30 x 444 mm, aluminuim
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



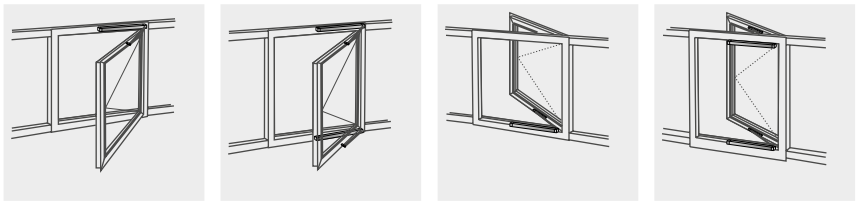
SPECIAL FEATURES FTA600

- 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 openeing/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**.

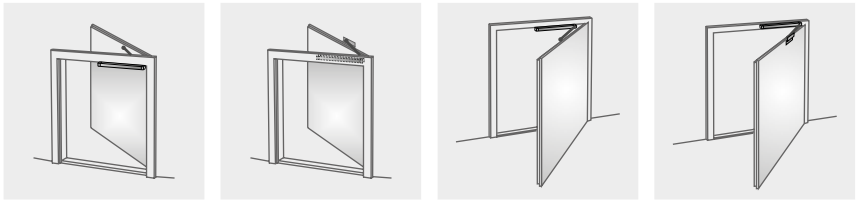
FACADE

Side-hung (FTA600 DF/GF)



INLET AIR

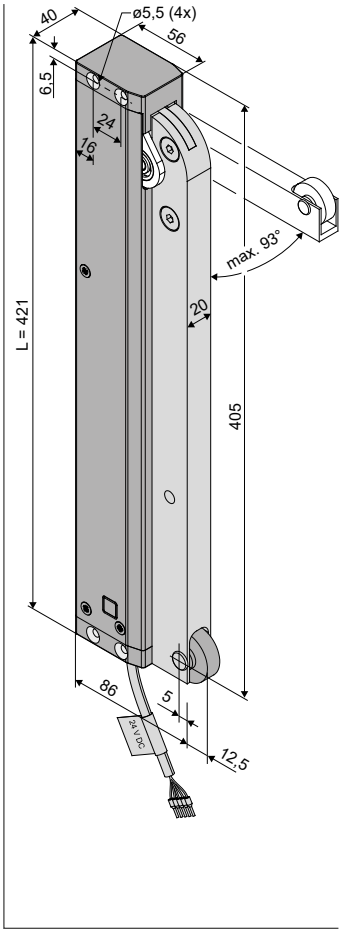
Floor-to-ceiling windows (FTA600 R)



- 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 mm², ~ 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

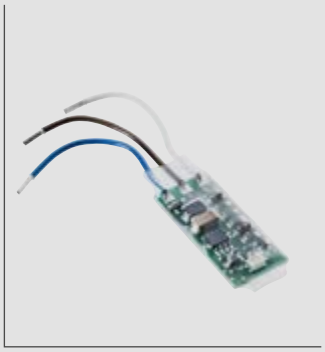
Special model	PU/pcs.	Part.-No.
Drive housing painted/powder coated in other RAL colours		
Lump sum for coating		**516030**
Specify at order stage:	1 – 20	**516004**
	21 – 50	**516004**
	51 – 100	**516004**
	from 101	**516004**
Microprocessor programming S12		
Electronic stroke reduction 24V S12	1	**524190**
Programming drives 24V / 230V S12		**524180**

Optional accessories	PU/pcs.	Part.-No.
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

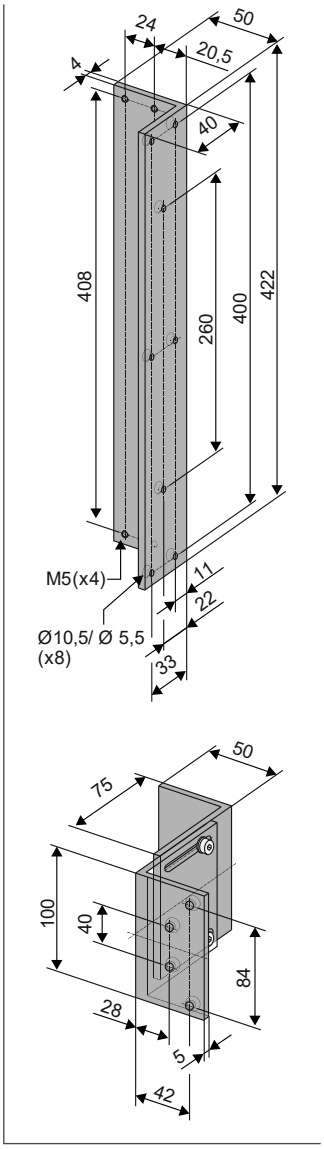
Feature/Equipment
- Flexible cable length
- Connect multiple drives in series connection
- Torsion-plug
- Locking hooks prevent withdrawal of the plug under tensile load
- Strain relief according DIN EN 60335-1 by screwing the housing halves

VARIANTS: 24V - Silicone	
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

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.

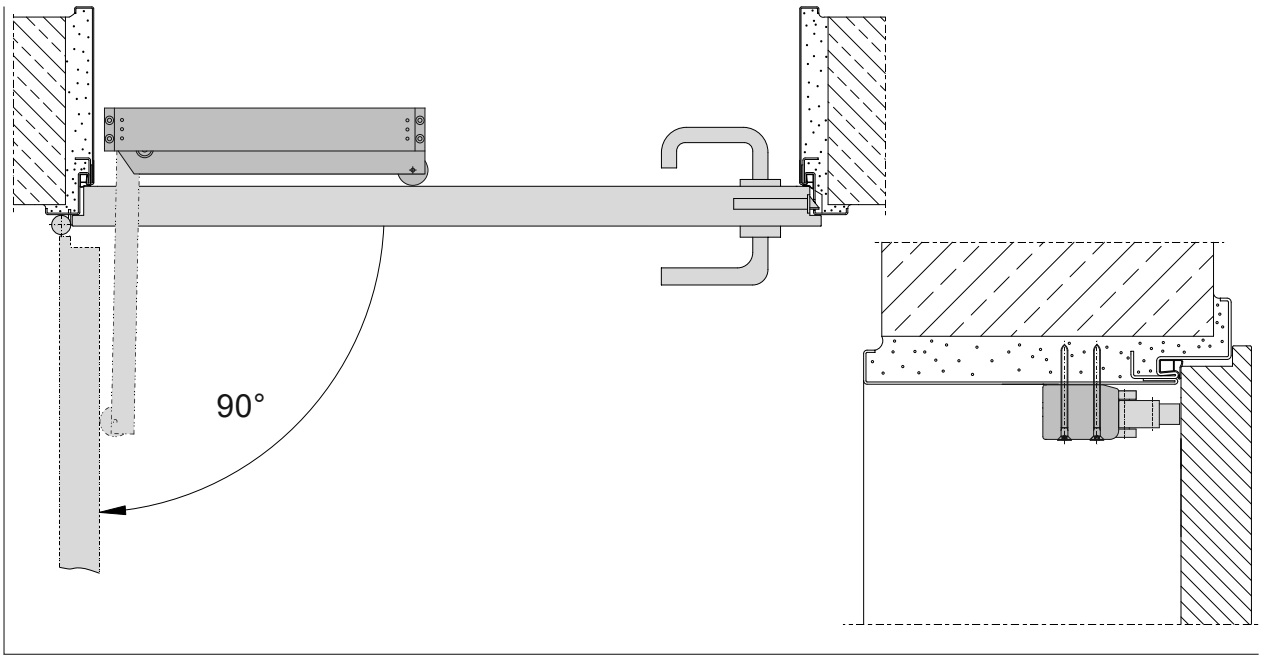
Part.-No. 524156

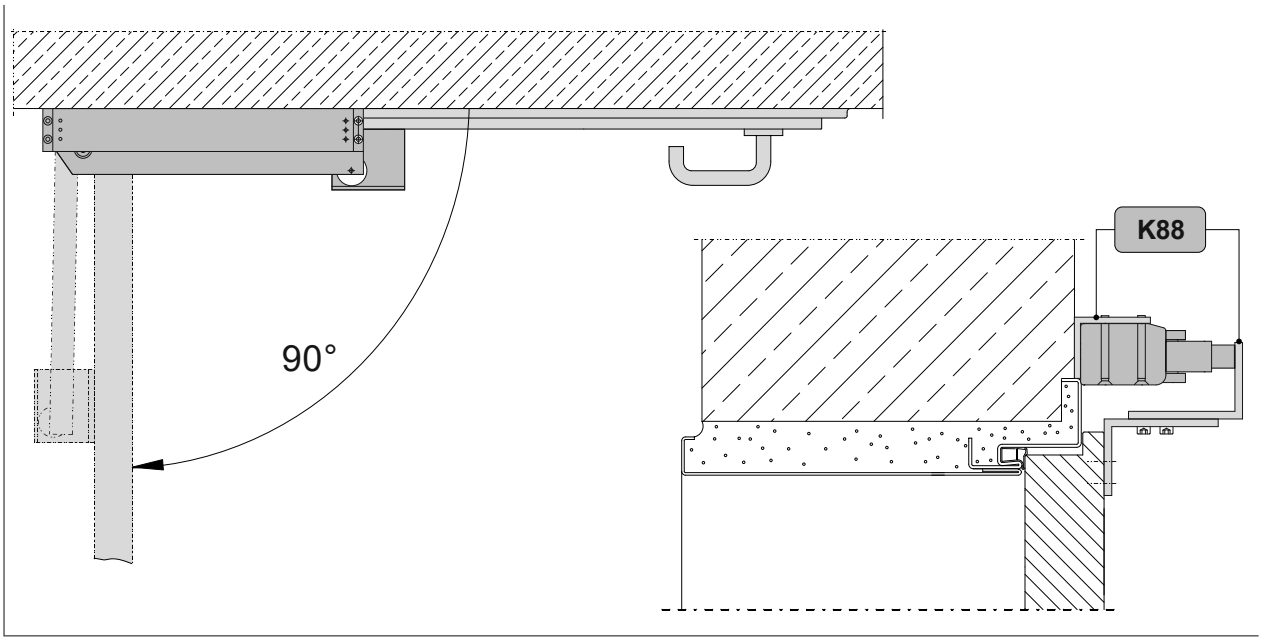
Material/Finish
aluminium
Feature/Equipment
1x angle 50 x 40 x 422 (t = 4) mm
2x angles 50 x 75 x 100 (t = 5) mm
fixing screws and nuts
Load
max. 600 N

FRAME BRACKETS

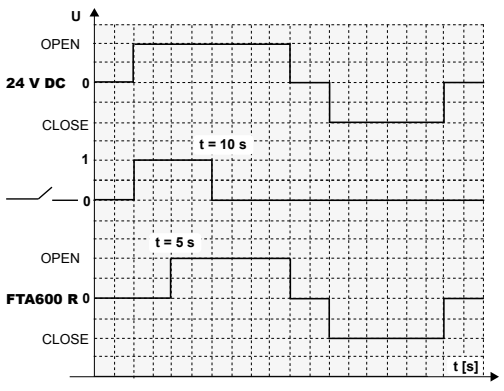
Special model	PU/pcs.	Part.-No.		
Frame brackets painted / powder coated in other RAL colours				
Lump sum for coating		**516030**		
Specify at order stage:	1 – 20	**516031**		
	21 – 50	**516031**		
	51 – 100	**516031**		
	from 101	**516031**		

Typical applications





Contact diagramm



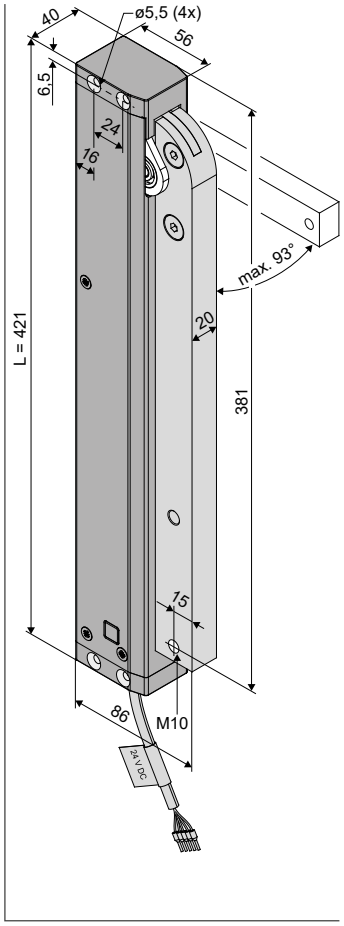
After application of the voltage, the floor-to-ceiling windows lock contact is activated for 10 seconds. With a delay of about 5 seconds, the drive arm of the folding arm drives **FTA600 R** starts moving and opens to an angle of max. 93°.

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 mm², ~ 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

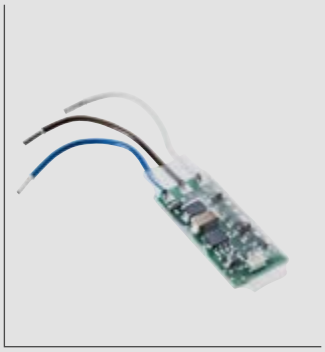
Special model	PU/pcs.	Part.-No.
Drive housing painted/powder coated in other RAL colours		
Lump sum for coating		**516030**
Specify at order stage:	1 – 20	**516004**
	21 – 50	**516004**
	51 – 100	**516004**
	from 101	**516004**
Microprocessor programming S12		
Electronic stroke reduction 24V S12	1	**524190**
Programming drives 24V / 230V S12		**524180**

Optional accessories	PU/pcs.	Part.-No.
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

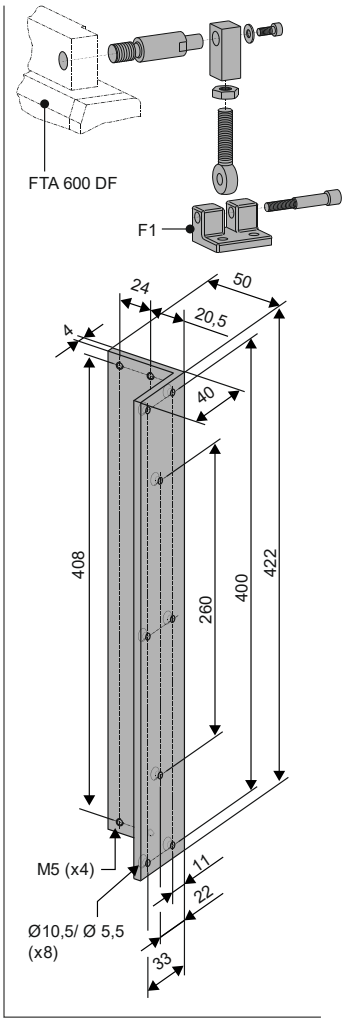
Feature/Equipment
- Flexible cable length
- Connect multiple drives in series connection
- Torsion-plug
- Locking hooks prevent withdrawal of the plug under tensile load
- Strain relief according DIN EN 60335-1 by screwing the housing halves

VARIANTS: 24V - Silicone	
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**

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.

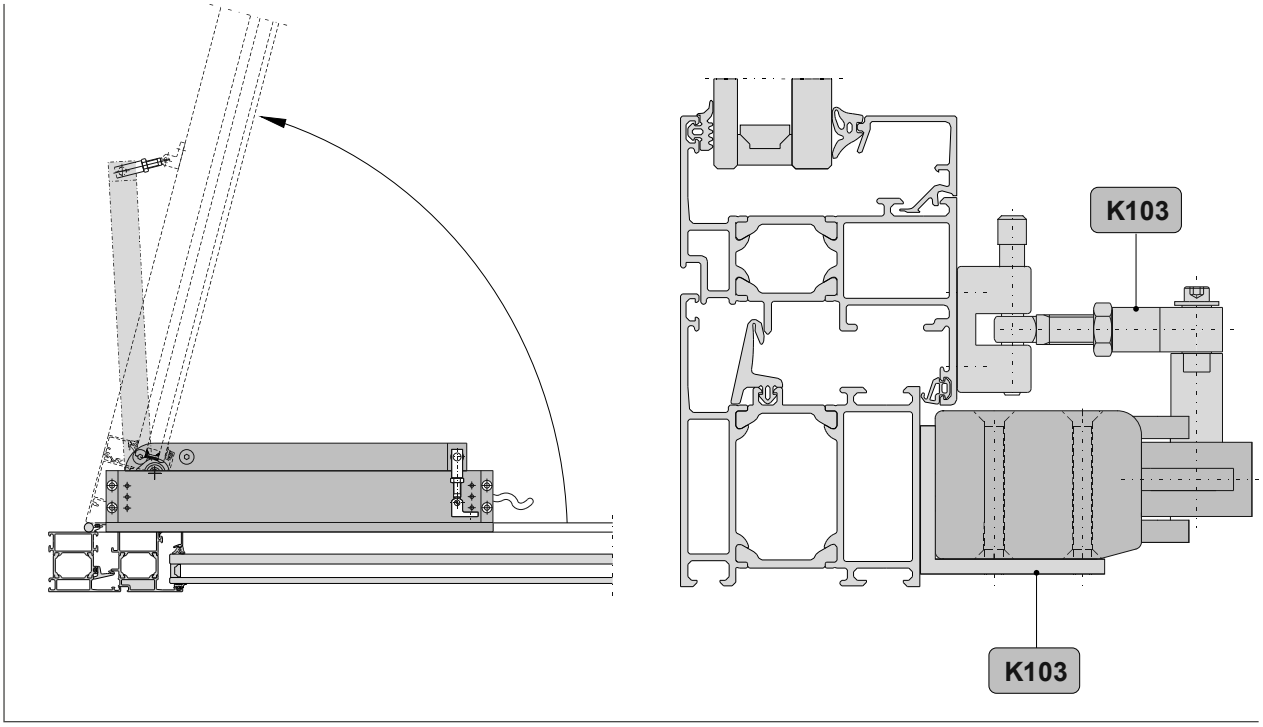
Part.-No. 524172

Material/Finish
aluminium
Feature/Equipment
1x angle 50 x 40 x 422 (t = 4) mm
1x casement bracket F1
1x fixing accesories
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**		

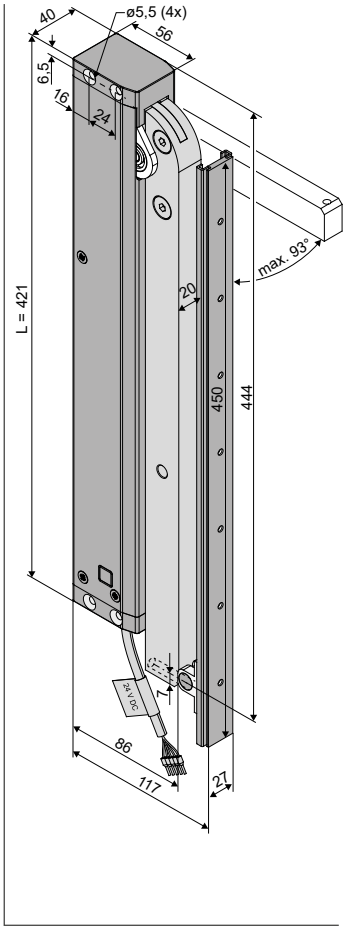
Typical applications



- 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 mm², ~ 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	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

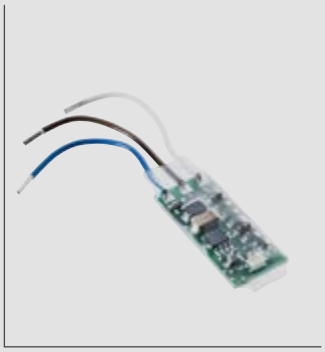
Special model	PU/pcs.	Part.-No.
Drive housing painted/powder coated in other RAL colours		
Lump sum for coating		**516030**
Specify at order stage:	1 – 20	**516004**
	21 – 50	**516004**
	51 – 100	**516004**
	from 101	**516004**
Microprocessor programming S12		
Electronic stroke reduction 24V S12	1	**524190**
Programming drives 24V / 230V S12		**524180**

Optional accessories	PU/pcs.	Part.-No.
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

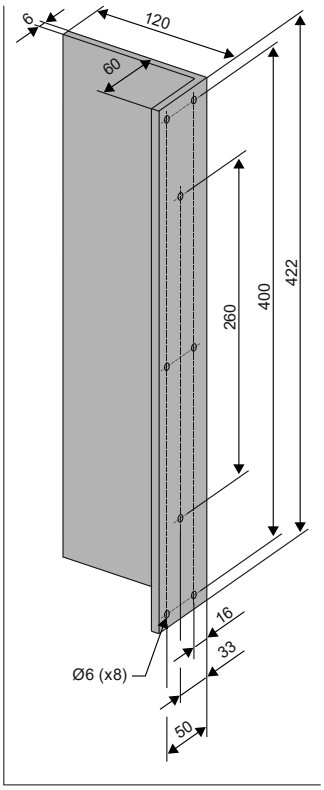
Feature/Equipment
- Flexible cable length
- Connect multiple drives in series connection
- Torsion-plug
- Locking hooks prevent withdrawal of the plug under tensile load
- Strain relief according DIN EN 60335-1 by screwing the housing halves

VARIANTS: 24V - Silicone	
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**

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

