

Automations

Chain and Rod actuators,
Control units

 **GIESSE**

Index

Chain Actuators

Varia Evo	06
Varia Tube	08
Varia Slim Base	10
Varia Slim Plus	12
Varia Slim / Varia Slim syncro	14
Varia - Accessories	18

Rod Actuator

Rod Actuator ST450	20
--------------------	----

Control Units

Power BT Control Units	22
Power AT Control Units	24
Shev RWA	27

RWA SYSTEMS

SMOKE AND HEAT EVACUATION

Statistical data has shown that almost all building-fire-related fatalities are caused by poisoning as a result of inhaling smoke and toxic gases rather than thermal damage due to high temperatures. When fires occur on building premises, smoke spreads throughout the rooms, causing considerable damage to the structure itself and the equipment inside. Bringing the temperature down or delaying temperature increase not only helps to preserve the stability of the structure but also makes it easier for firefighters to see their way around, keeps the air cooler at head level and retards the spread of flames sideways.

The primary concern of any fire-fighting team is to stop smoke from building up in the rooms and reaching escape routes, creating safe areas where people can survive.

The safety system must be activated automatically, ensuring that all apertures are unobstructed so that heat and smoke can get out, thus freeing escape routes so people can reach areas with clean fresh air. This very same system regulates air changes in rooms on a daily basis, improving occupants' quality of life and general health.

RWA actuators mean you only have to install one single actuator for both smoke evacuation and natural ventilation.

GIESSE RWA actuators have been designed and tested to be used with integrated systems for smoke and heat evacuation in compliance with the European Standard EN12101-2.

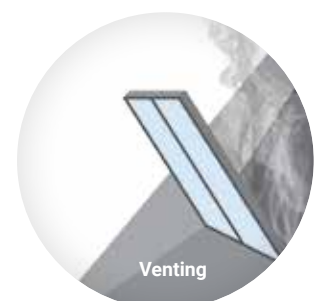
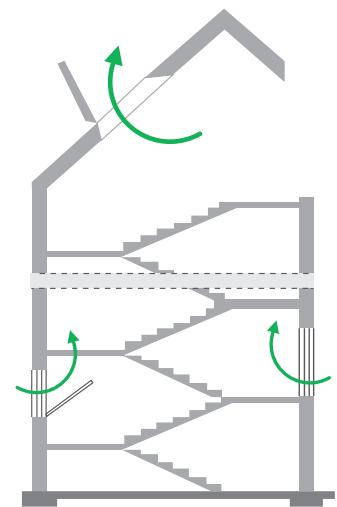
NRWG certification determines the test procedures which the various parts of the system undergo, such as windows, automations, detection devices and the central control and monitoring unit. Even construction materials are subject to this certification.

Building structure should be a prime consideration when creating evacuation systems and deciding where to put them because of the need for outlets on vertical walls, roofs, shafts, etc.

GIESSE produces remote-controllable electric actuators which move windows and ventilation openings in the event of fire.

Using an integrated smoke-and-heat evacuation system in conjunction with the actuators will protect people's lives. When smoke and hot air are released from rooms, chances of survival increases.

Creating a smoke-free space low down at ground level, **freeing stairwells and corridors and diminishing deadly fumes** are all ways to help occupants to quickly identify escape routes and make it easier for emergency-rescue services to gain access. This is why the actuators have been designed and tested for use with integrated systems and frames for extracting smoke and heat in compliance with European Standard EN12101-2.



CHOOSE YOUR SOLUTION

Windows come in a variety of types, sizes and weights. Sometimes weather factors can be such that significant force is required to open windows.

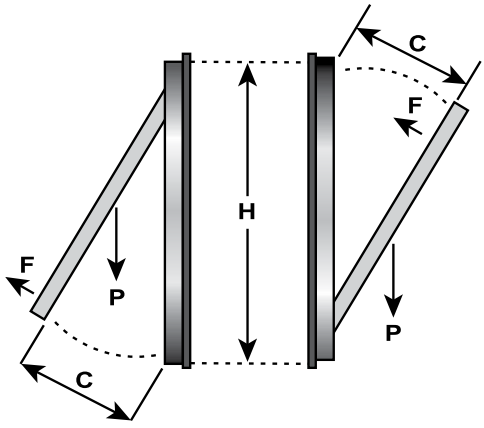
In other circumstances, electronic-control devices are necessary for reasons of practicality or security so windows can be opened or closed automatically. Before an actuator is installed on a window, checks must be run to ensure that it is suited to the task. This is particularly important when smoke and heat protection is required.

Formulas for calculating the push or pull force required to open a window.

Finding out how much force is required to move the window is the first step in determining which automation is the right one.

An initial check can be made by using the formulas beneath. However, they do not take into account the action of external agents on the window, such as friction, air currents, low-pressure areas, snow and wind.

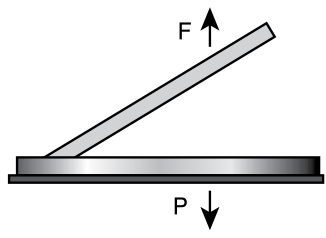
Calculation for determining the force (Newton=N) required for top-hung and bottom-hung windows and doors:



$$F = \frac{P}{2} \times \frac{C}{H} = \text{kg F}$$

$$\text{Kg F} \times 9,81 = \text{N}$$

Calculation for determining the force (Newton=N) required for horizontal domes and dormer windows:



$$F = \frac{P}{2} = \text{kg F}$$

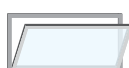
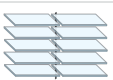
$$\text{Kg F} \times 9,81 = \text{N}$$

1 kg = 9,81 N
1 N (Newton) = 0,102 kg

F: force required to open and close - kg
P: window weight (only movable part) - kg
C: window opening stroke (actuator stroke) - mm
H: window height - mm

Theoretical calculation (does not take into account friction of the hinges, wind thrust and weight of snow).

Giesse actuators

Type of Automation		Chains				Rod
Model		Varia Evo	Varia Slim Varia Slim Plus	Varia Slim Base	Varia Tube	ST 450
Thrust Force		300 N	300 N	250 N	350 N	450 N
Bottom-Hung		✓	✓	✓	✓	
Bottom-Hung Width > 1.6 m					✓ Syncro Version	
In-Line Bottom-Hung (Ribbon development) Max 3 windows with width < 1 m		✓	✓	✓	✓	
Top-Hung		✓	✓	✓	✓	✓
Top-Hung And Shed windows Width > 1.6 m					✓ Syncro Version	
In-Line Top-Hung And Shed windows		✓	✓	✓	✓	✓
Skylights			✓	✓	✓	
Pivoting window		✓	✓	✓	✓	✓
Small Roof Vents			✓	✓	✓	✓
Small In-Line Roof Vents Width < 1 m			✓	✓	✓	✓
Large Roof Vents Max 110 Kg with width > 1.8 m						
Vertical Sunblinds						✓
Jalousie Window						
Parallel Opening					✓ Syncro Version	

VARIA EVO

Chain actuator

Chain actuator for natural ventilation, designed for top-hung and bottom-hung windows. It features a robust double-link steel chain within a compact, high-strength housing.

- Push and pull force: 300 N

The chain stroke can be set to 200 mm or 380 mm via the internal selector.

Installation is made easy by a quick-coupling bracket system with 15 mm of adjustment, allowing precise fit on various frame profiles.

An integrated buzzer provides an audible alert if the actuator is mounted incorrectly, enhancing installation safety.

VARIA EVO is supplied with all necessary brackets and hardware, ready for installation.



-  Robust double-link steel chain within a compact, high-strength housing.
-  300 N push and pull force
-  Integrated buzzer for incorrect mounting.





Go to the technical data sheet

Code	Description
08000	VARIA EVO 230 V

Add the 3-digit color code to the main product code when ordering.

010 - Black

560 - White

544 - Grey

Code	Description
04867	Vertical support bracket for VARIA EVO 230 V

Add the 3-digit color code to the main product code when ordering.

500 - Black

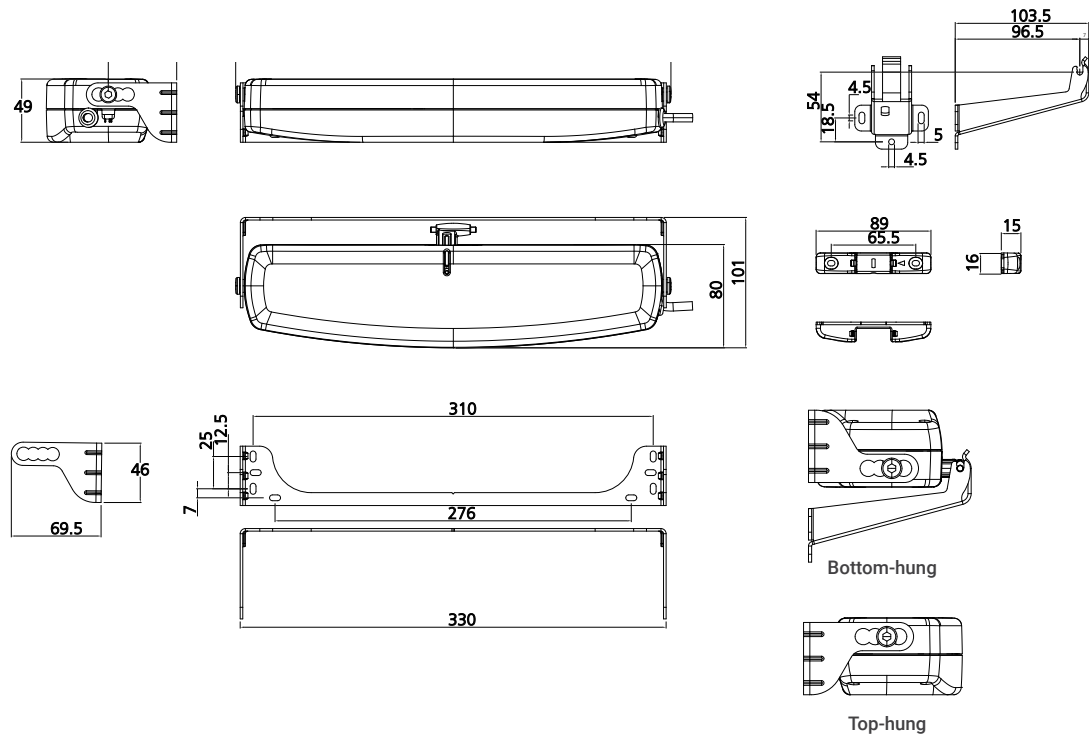
410 - White

379 - Metallic Grey

Varia Evo - Technical data

Electric actuator with double link steel chain for the automation of top hung and bottom hung windows.
Power supply 230 V AC ~ 50 Hz. Equipped with limit switch and integrated buzzer for incorrect mounting alert.

Quick-coupling bracket system with 15 mm of adjustment.



Model	Varia EVO 230 V
Power-supply voltage	230 V AC ~ 50 Hz
Thrust force	300 N
Drive force	300 N
Strokes	200 or 380 mm (selectable via internal selector)
No-load speed	37 mm/s
Full-stroke time (no load)	~11 s
Adjustment on chain terminal	15 mm (telescopic)
Parallel connection	YES (up to 30 actuators on separate windows)
Power consumption (max load)	60 W
Current draw (max load)	0.26 A
Duty cycle	S2 4 min (short-time)
Protection rating	IP30 (indoor use)
Operating temperature	-5 °C ÷ +50 °C
Insulation class	II (double insulation)
Dimensions (L×H×D)	337 × 49 × 80 mm
Weight	1.1 kg
Supplied brackets	1 frame bracket (pivoting) + 2 sash brackets (outward & inward)

VARIA TUBE

Chain actuator

A sophisticated electronic system with a microprocessor means that the actuator can be installed not only on industrial premises, but also integrated into domotic system to which it can be easily connected via existing devices and made to transmit an "open/close window" signal.



Power control over the entire stroke.



Remarkably quiet (41 dB) while maintaining high power standards.



Easy to install thanks to rapid release support brackets and fixing brackets (patented).



Strokes can be selected by means of dip-switches.



Syncro technology (patented) allows for up to 8 Varia Tubes to be connected together.



Relax and Soft-Stop function for resting mechanical parts after every stroke-end.



Reliability tested via 10,000 cycles at maximum load.



High resistance to corrosion and diverse weather conditions.

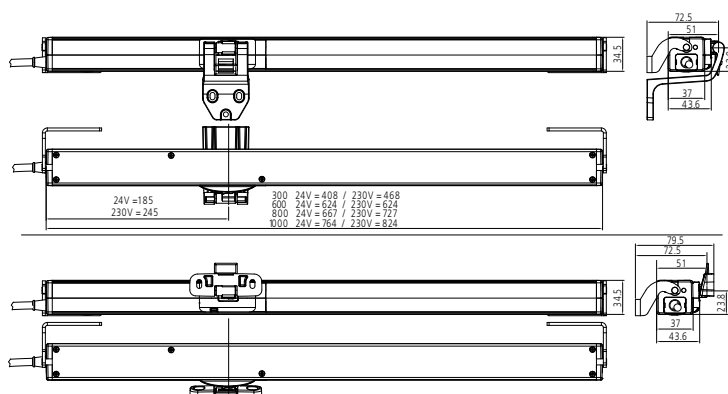
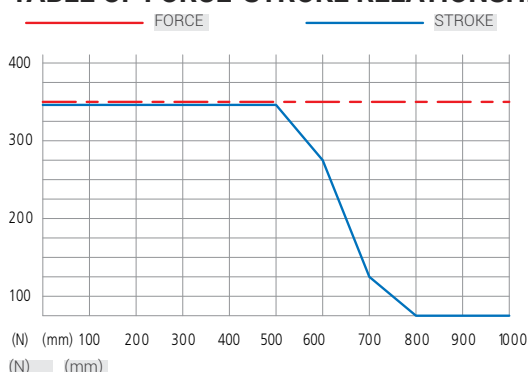


Go to the technical data sheet

Code	Description	Code	Description
07875	VARIA TUBE 230 V - 300	07804	VARIA TUBE RWA 24 V - 300
07876	VARIA TUBE 230 V - 600	07805	VARIA TUBE RWA 24 V - 600
07877	VARIA TUBE 230 V - 800	07806	VARIA TUBE RWA 24 V - 800
07878	VARIA TUBE 230 V - 1000	07807	VARIA TUBE RWA 24 V - 1000
07897	VARIA TUBE Syncro 230 V - 600	07815	VARIA TUBE RWA Syncro 24 V - 300
07898	VARIA TUBE Syncro 230 V - 800	07816	VARIA TUBE RWA Syncro 24 V - 600
07899	VARIA TUBE Syncro 230 V - 1000	07817	VARIA TUBE RWA Syncro 24 V - 800
		07818	VARIA TUBE RWA Syncro 24 V - 1000

Add the 3-digit color code to the main product code when ordering.

000 - **Anodised silver**

TABLE OF FORCE-STROKE RELATIONSHIP


VARIA TUBE	230 V CA	RWA 24 V CC	Syncro 230 V CA	RWA Syncro 24 V CC
Pull force	350 N			
Push force	350 N (see strength diagram)			
Variable strokes	300 (100, 175) mm - 600 (400, 500) mm - 800 (600, 700) mm - 1000 (800, 900) mm			
Syncro3 technology (patented)	No	No	Yes	Yes
Power-supply voltage	110÷230 V~(AC)	24 V=(DC)	110÷230 V~ (AC)	24 V=(DC)
Frequency	50/60 Hz	-	50/60Hz	-
Current absorbed at nominal load	0.23 A (230 V)	0.80 A	0.23 A (230 V)	0.80 A
Power absorbed at nominal load	29 W	19.2 W	29 W	19.2 W
Speed	11 / 9.6 mm/s		11 / 9.6 mm/s	
Stroke duration at nominal charge (Open)	Stroke 300/600/800/1,000 = 28 / 54 / 72 / 90 s			
Stroke duration at nominal charge (Close)	Stroke 300/600/800/1,000 = 36 / 67 / 88 / 109 s			
Double electrical insulation	YES	L.V.	YES	L.V.
Service type	S2 of 3 min			
Operating temperature	-20 °C ÷ +70 °C			
Degree of protection for electrical devices	IP32			
Soft Stop / Start	YES			
Relax function	YES			
Self-learning frame rebated overlap	Self-determination of the position			
Parallel connection	YES			
Power-supply cable type and length	H05VV-F - 2 m		FRR/2 - 2.5 m	
Opening stroke-end setting	Electronic via dip-switches			
Closing stroke-end setting	Upon absorption of power			
Overload protection	Upon absorption of power			
Dimensions for 230 V (strokes 300/600/800/1,000)	34.6x37 L=468/624/727/824 mm			
Dimensions for 24 V (strokes 300/600/800/1,000)	34.6x37 L=408/624/667/764 mm			
Static holding force	2000 N			
Weight	0.9/1.4/1.8/2.2 Kg	0.8/1.3/1.7/2.1 Kg	0.9/1.4/1.8/2.2 Kg	0.8/1.3/1.7/2.1 Kg
Supplied brackets	Only frame brackets included. Sash bracket to be ordered separately.			

The data provided in these illustrations is non-binding and subject to change, even without advance notice.

VARIA SLIM BASE

Chain actuator 250N

Chain actuator for awning windows, hopper windows, dormer windows and light domes. Simple mechanical selection of the two strokes, 240 mm and 360 mm. Equipped with a microprocessor with relax function and power control over the entire stroke.



Natural
ventilation



Progressive starting ramp



Power control over the entire stroke



Body and brackets are made from a high-strength composite material (glass-fibre reinforced polyamide)



Even simpler and more intuitive stroke selection



Relax function for resting mechanical parts after every stroke-end



Go to the technical data sheet

Code	Description
07889	VARIA SLIM BASE 230 V
07890	VARIA SLIM BASE 24 V

Add the 3-digit color code to the main product code when ordering.



590 - **Black**



560 - **White**



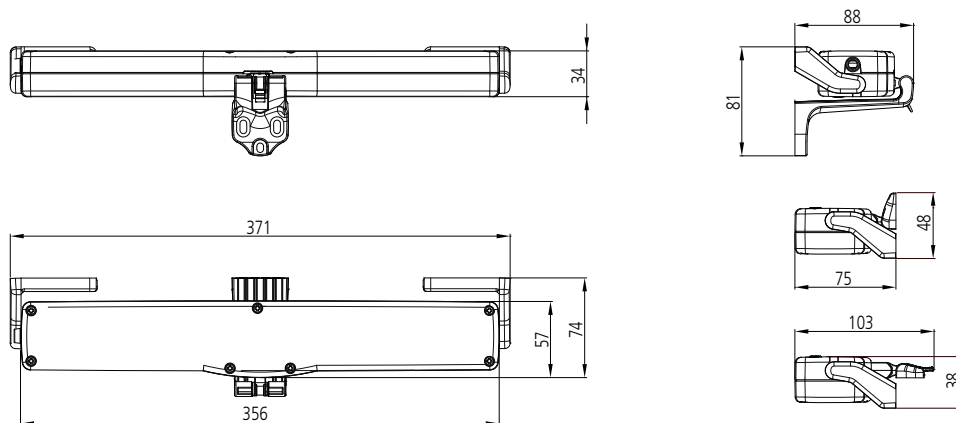
542 - **Grey**

Varia Slim Base - Technical data

Linear electric actuator with double-row four-link articulated chain enclosed in composite casing suitable for moving awning windows, hopper windows, dormer windows and light domes. The actuator has a push and pull force of 250 N and is designed to function at 110/230 V AC 50/60 Hz or 24 V DC. It comes supplied with quick-coupling screwless assembly brackets (patented), awning and bottom-hung-window brackets with quick coupling (patented).

Two opening strokes with mechanical selection. Stroke-end stop during opening and closing upon power absorption and as protection against overloading. Can be connected in parallel.

Complies with Directives 2004/108 EC (EMC Directive) and 2006/95 EC (Low Voltage Directive).



Model	Varia Slim Base 230 V Code 07889	Varia Slim Base 24 V Code 07890
Push and pull force	250 N	
Strokes	240/360 mm	
Synchronisation	NO	
Power-supply voltage	110 ÷ 230 V ~ (CA) 50/60 Hz	24 V = (CC)
Current at nominal load	0,42 - 0,21 A	0,80 A
Power absorbed at nominal load	23 - 20 W	~ 19 W
No-load speed	11 mm/s	13,3 mm/s
Maximum no-load stroke time	32,5 s	27 s
Double electrical insulation	Class II	Class III
Service type	S2 of 3 min	
Operating temperature	-5 °C ÷ +65 °C	
Degree of protection for electrical devices	IP40	
Soft Stop	NO	
Relax function	YES	
Self-learning frame rebated overlap	Upon absorption of power	
Connection in parallel	YES (max 30 actuators)	
Power-supply-cable length	1 m	
Opening stroke-end setting	Upon absorption of power	
Closing stroke-end setting	Upon absorption of power	
Overload protection	Upon absorption of power	
Dimensions	356 x 57 x 34 mm	
Weight	0.84 kg	0.82 kg
Static holding force	1500 N	
Supplied brackets	Sash and frame brackets for top/bottom-hung application	
Connection with Slim Lock	NO	

The data provided in these illustrations is non-binding and subject to change, even without advance notice.

VARIA SLIM PLUS

Chain actuator 300N

Varia Slim Plus is a sleek combination of design, high performance levels, quality and safety. The units are available in 230 V and in the low voltage 24-V CC version. The casing of Varia Slim Plus comes in aluminium and has a distinctive robust design.

Frame support brackets are included with the product. Sash brackets to be ordered separately



Natural ventilation

ALU Body is made of die-cast aluminium.



Support brackets in zamak.



Easy to install via quick-coupling of the actuator to the quick-fit frame brackets (without screws). Patented system.



Choice of 3 different chain strokes by means of dip-switches.



Quick-release from the window for even easier cleaning.



Relax and Soft-Stop function for resting mechanical parts after every stroke-end.



Go to the technical data sheet

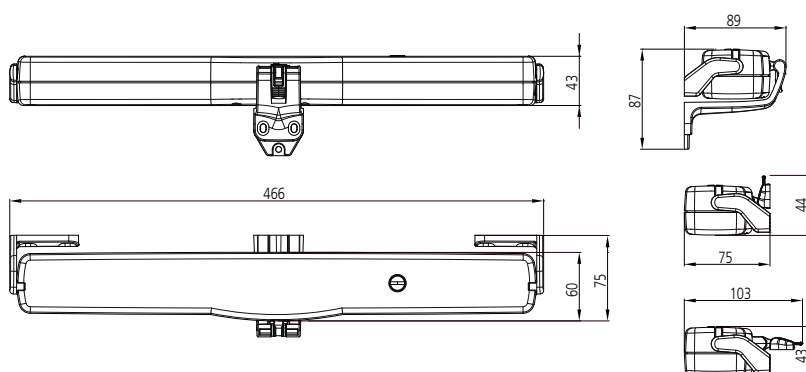
Code	Description	
07880	VARIA SLIM PLUS 24 V [only in 500 - RAL 9005]	● 500 - RAL 9005
07882	VARIA SLIM PLUS 230 V	○ 410 - RAL 9010 ● 970 - RAL 9006

Sash bracket to be ordered separately.

Add the 3-digit color code to the main product code when ordering.

Varia Slim Plus - Technical data

Electric linear actuator: double-row four-link articulated chain enclosed in an appropriate aluminium casing and designed to move awning windows, hopper windows, dormer windows and light domes. The actuator has a push and pull force of 300 N and is designed to function at a voltage of 110/230 V AC 50/60 Hz. The device comes equipped with universal swing support brackets that are quick-coupling without any need for screws (patented). Electronic stroke-end for opening with three strokes (200 - 300 - 500 mm), which can be selected at any time using dip-switches; stroke-end upon power absorption during closing and as protection against overloading. The actuator is equipped with a Soft-Stop and Relax function, and it can be connected in parallel. Complies with the Directives 2004/108 EC (EMC Directive) and 2006/95 EC (Low Voltage Directive).



Model	Varia Slim Plus 24 V Code 07880	Varia Slim Plus 230 V Code 07882
Push and pull force	300 N	
Strokes	200/300/500 mm	
Synchronisation	NO	NO
Power-supply voltage	24 V CC	110 ÷ 230 V CA 50/60 Hz
Current absorbed at nominal load	0,910 A	0,160 A
Power absorbed at nominal load	~ 20 W	~ 36 W
No-load speed	8,9 mm/s	7,2 mm/s
Maximum no-load stroke time	56 s	70 s
Double electrical insulation	Low voltage	YES
Service type	S2 of 3 minutes	
Operating temperature	-5 ÷ 65 °C	
Degree of protection for electrical devices	IP32	
Soft Stop	YES	
Relax function	YES	
Self-learning frame rebated overlap	Self-determination of the position	
Connection in parallel	YES (max 30 actuators)	
Power-supply cable length	2 m	2 m
Opening stroke-end setting	Electronic dip-switch setting	
Closing stroke-end setting	Upon absorption of power	
Protection on overload at opening and closure	Upon absorption of power	
Dimensions	456 x 60 x 43 mm	
Weight	1,63 kg	1,43 kg
Static holding force	1700 N	
Supplied brackets	Frame brackets included. Sash bracket to be ordered separately.	
Connection with Slim Lock	YES	NO

The data shown in these illustrations are not binding and may be subject to change without prior notice.

VARIA SLIM

Chain actuator 300N

Varia Slim is a perfect combination of performance, quality, and safety.
The Varia Slim frame is made of extremely robust technopolymer.
Sash and frame brackets included (bottom-hung, top-hung).
Four different chain strokes are available: 110, 200, 300 and 400.



Fibreglass-reinforced polyamide actuator housing and sash and frame fixing brackets.



Sash and frame brackets supplied with the product.



The actuator chain disconnects easily and quickly from the sash bracket.



Choice of 4 different chain strokes by means of dip-switches.



Relax function for resting mechanical parts after every stroke-end.



Go to the technical data sheet

Code	Description
07885	VARIA SLIM 24 V

Add the 3-digit color code to the main product code when ordering.



590 - Black



560 - White

VARIA SLIM SYNCRO

300N synchronised actuator

Varia Slim Syncro boasts all the main technical features of Varia Slim but it also gives the option of perfectly synchronised operation with another Varia Slim Syncro.

Varia Slim Syncro is the ultimate choice for large windows requiring 2 or more thrust and pull points. With Varia Slim Syncro you can synchronise up to 8 actuators simultaneously without any need for an external controller. The product comprises a pair of actuators preset to operate in sync.

Three different chain strokes are available: 100, 200 and 400.

Note: Syncro items are made up of two actuators (one couple).



Natural
ventilation



Fibreglass-reinforced polyamide actuator housing and sash and frame fixing brackets.



Sash and frame brackets supplied with the product



Actuator chain disconnects easily and quickly from the sash bracket



Choice of 3 different chain strokes by means of dip-switches.



Relax function for resting mechanical parts after every stroke-end.



Synchronisation of up to 8 actuators without any need for an external controller.



Go to the technical data sheet

Code	Description
07887	VARIA SLIM SYNCRO 24 V

Add the 3-digit color code to the main product code when ordering.



590 - Black



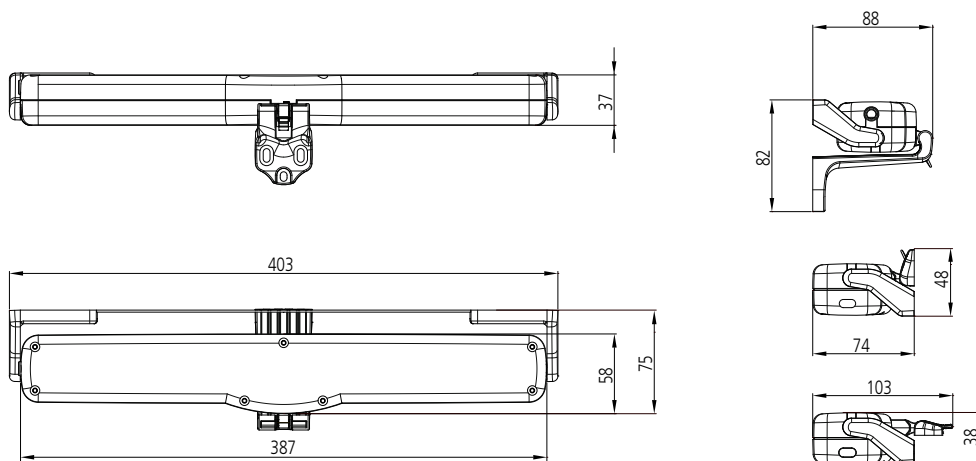
542 - Grey

Varia Slim, Slim Syncro - Technical data

Linear electric actuator: with double-row four-link articulated chain enclosed in an appropriate high-strength composite casing (glass fibre reinforced polyamide) and suitable for moving awning windows, hopper windows, dormer windows and light domes.

The actuator has a push and pull force of 300N.

The actuator comes supplied with quick-coupling screwless assembly brackets (patented) and awning and bottom-hung-window brackets with quick coupling/uncoupling of the window (patented). Stroke-end: electronic opening stroke-end with variable strokes that can be selected at any time using dip-switches. Closing stroke-end upon power absorption. Can be connected in parallel. Complies with Directives 2004/108 EC (EMC Directive) and 2006/95 EC (Low Voltage Directive).



Model	Varia Slim 24 V Code 07885	Varia Slim Syncro 24 V Code 07887
Push and pull force	300 N	
Strokes	110/200/300/400 mm	100/200/400 mm
Synchronisation	NO	YES
Power-supply voltage	24 V =	24 V =
Current at nominal load	0,950 A	0,950 A
Power absorbed at nominal load	~ 22 W	~ 23W
No-load speed	14,6 mm/s	8,9 mm/s
Maximum no-load stroke time	27 s	44 s
Double electrical insulation	Class III	
Service type	S2 di 3 min	
Operating temperature	-5 °C ÷ +65 °C	
Degree of protection for electrical devices	IPX0	
Soft Stop	NO	YES
Relax function	YES	YES
Self-learning frame rebated overlap	Self-determination of the position	
Connection in parallel	YES	YES
Power-supply-cable length	2 m	2,5 m
Opening stroke-end setting	Dip-switch setting	
Closing stroke-end setting	Upon absorption of power	
Overload protection	Upon absorption of power	
Dimensions	387 x 59 x 37 mm	
Weight	0,94 kg	1,15 kg
Static holding force	1600 N	
Supplied brackets	Sash and frame brackets for top/bottom hung and sill application	
Connection with Slim Lock	YES	YES

The data provided in these illustrations is non-binding and subject to change, even without advance notice.



Varia - Accessories and Spare parts

	Code	Product	Description
	05900	Varia Slim Plus	Bottom-hung outward opening window bracket
	05901	Varia Slim Plus	Top-hung outward opening bracket
	05902	Varia Slim Plus	Top-hung bracket
	05903	Varia Slim Plus	Standard frame support brackets (spare parts)
	05904	Varia Slim and Varia Slim Base	Standard support brackets (cp)
	05905	Varia Slim and Varia Slim Base	Brackets for vertical mounting (cp)
	05906	Varia Slim and Varia Slim Base	Outward-opening brackets
	05907	Varia Slim and Varia Slim Base	Outward-opening window bracket
	05908	Varia Slim Plus, Varia Slim and Varia Slim Base	Quick connector
	05909	Varia Slim Plus (15 mm)	Top-hung bracket
	05910	Varia Slim and Varia Slim Base	Top-hung outward opening bracket - Security clutch H 14,5 mm
	05911	Varia Slim Plus, Varia Slim, Varia Slim Base and Varia Tube	Metal sash support brackets H 45 mm (cp)
	05912	Varia Tube	Top-hung outward opening bracket - 15 mm

	Code	Product	Description
	05920	Varia Tube	Steel top-hung horizontal sash brackets (spare parts)
	05921	Varia Tube	Zamak bottom-hung sash bracket
	05922	Varia Tube	Zamak top-hung frontal sash bracket
	05923	Varia Tube	Zamak top-hung horizontal sash bracket
	05924	Varia Tube	Steel rapid fixing clip (spare parts)

Add the 3-digit color code to the main product code when ordering.



590 - **Black**



560 - **White**



542 - **Grey**

ROD ACTUATOR ST450

Electro-mechanical actuator with rigid rod

The linear rod actuator is particularly suitable for moving windows and doors that require a high degree of reliability and resistance to a combination of bending and compressive stresses. Ideal for skylights and shed windows, top-hung windows, vertical sunblinds, and jalousie windows. They stand out in terms of speed and silence as well as their extreme versatility in terms of application.



Fast and silent



Can be installed everywhere



Attractive design



Takes up little space



Go to the technical data sheet

Code	Description
0479101	ST450 stroke 180 (top hung)
0479201	ST450 stroke 300 (top hung)
0156001	ST450 stroke 180 (vertical sunblinds)

Add the 3-digit color code to the main product code when ordering.

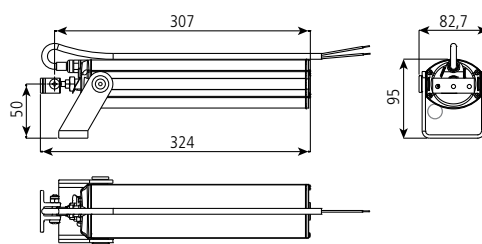
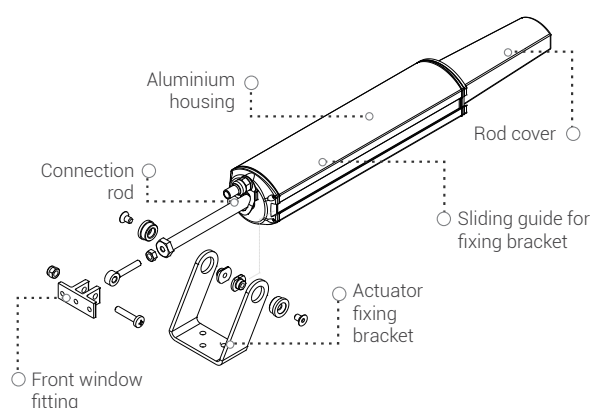
020 - Anodised silver

Rod actuator - Technical data

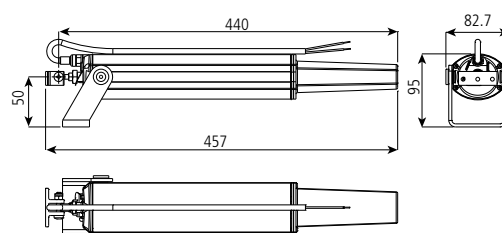
Electric actuator with aluminium enclosure, linear movement and rigid rod. Operation at 230 V AC, fitted with micro limit switch and thermally protected. Can be connected in parallel using the relay incorporated in the card. Equipped with a 1.5-m-long connection cable already wired inside the actuator.

The presence of two continuous lateral guides facilitates the positioning of the fixing bracket at any point along the motor housing, making it easier to adjust the window-locking position. Supplied with brackets and supports for the requested application.

The electric actuator has a push and pull force of 450N and it is available in the versions for top-hung windows or for vertical sunblinds and jalousie windows.

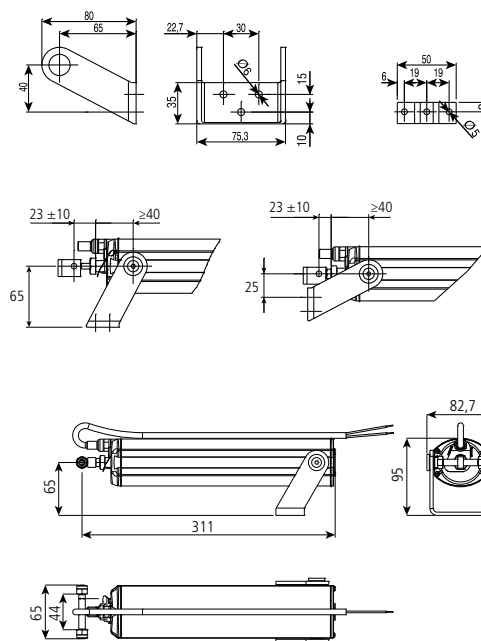


0479101	ST450 stroke 180 for TOP-HUNG windows
----------------	--



04792	ST450 stroke 300 for TOP-HUNG windows
-------	--

Model	ST450		
TOP HUNG			VERTICAL SUNBLINDS
Code	0479101	0479201	0156001
Corse	180 mm	300 mm	180 mm
Tensione di alimentazione	230 V c.a. ± 5%		
Push and pull force	450 N		
Max idle stroke duration	7	12	7
Noload speed	23 mm/s		
Current absorbed at nominal load	0,7 A		
Power absorbed at nominal load	150 W		
Thermal protection	YES		
Capacitor	5 µF		
Limit switch	YES		
Relay included	YES		
Pre-wired power-supply cable	YES		
Can be connected in parallel	1500 mm		
Degree of protection for electrical devices	IP55		
Operating temperature	20/+70 °C		
Sash and frame brackets	Included		



01560	ST450 stroke 300 for VERTICAL SUNBLINDS
-------	--

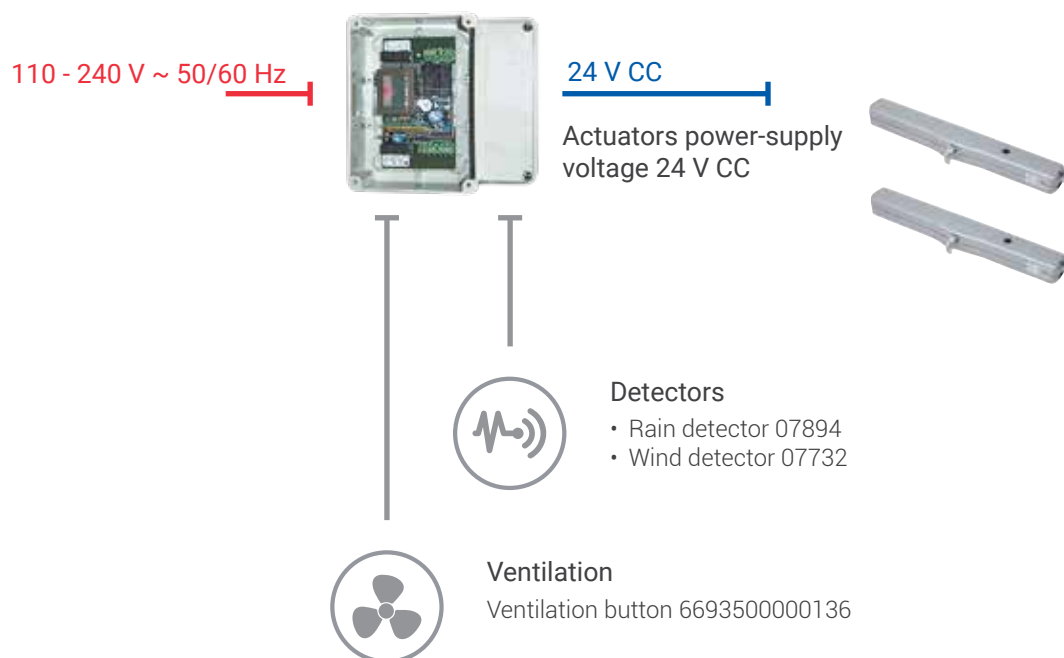
POWER BT for ventilation systems

POWER BT control units are designed for ventilation systems without smoke and heat evacuation.
These units can control 24 V CC Giesse actuators for automatic window security.
Rain and wind detectors can be plugged into POWER BT in order to automatically manage the windows when specific weather conditions occur.



Code	Model
07712	POWER BT 6 RADIO Battery
07894	HEATED RAIN SENSOR SPR
07732	WIND DETECTOR
6693500000136	VENTILATION BUTTON

Centraline Power BT - Technical data



Model	POWER BT 6 RADIO 07725	POWER BT 6 Battery 07709 POWER BT 6 RADIO Battery 07712
Power-supply voltage	110 - 240 V ~ 50/60 Hz	
Output voltage	24 V CC	
Max. load current	3 A	
Maximum output per module	2,5 A (fuse T 2.5 A for every module)	
Maximum output current	6 x 1,1 A	
Electrical insulation	Class I	
Connectable devices	Wind detector - Rain detector - Ventilation button	
Operating temperature	-5 °C- +65 °C	
Degree of protection for electrical devices	IP65	
Remote control	included with 07712	
Back-up battery	NO	included (2 x 12 V CC) 1,2 Ah
Material	Technopolymer	
Number of actuators*	up to 6 actuators 07880 (VARIA SLIM PLUS)	
	up to 3 items 01495 (VARIA)	

*For other actuators please contact Giesse technical support.



Power BT control units bear the CE marking, meaning they are authorised for sale within the European Union. The CE marking is a symbol of the products' compliance with European standards for electrical products.

Please refer to local laws in force for any countries outside the European Union.

POWER AT for ventilation systems

POWER AT control units are designed for ventilation systems without smoke and heat evacuation. These units can control 230 V CA Giesse actuators for automatic window security.

Rain and wind detectors can be plugged into POWER AT in order to automatically manage the windows when specific weather conditions occur.



Wind detector



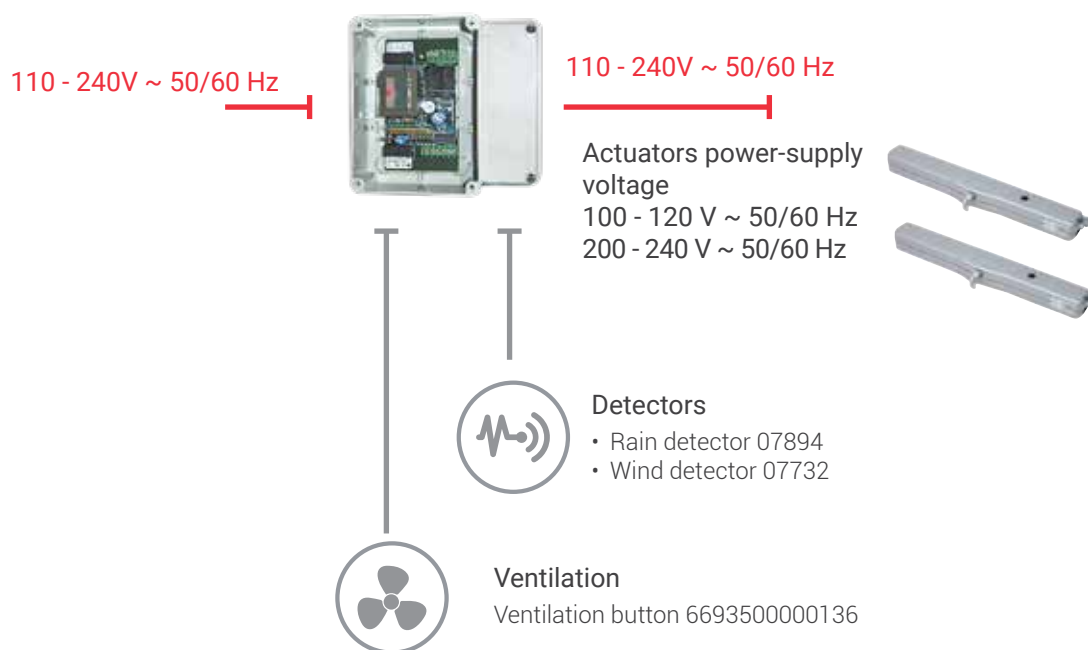
Rain detectori



Ventilation button

Code	Model
07718	POWER AT 6
07894	HEATED RAIN SENSOR SPR
07732	WIND DETECTOR
6693500000136	VENTILATION BUTTON

Centraline Power AT - Technical data



Model	POWER AT 6 07718
Power-supply voltage	110 - 240 V ~ 50/60 Hz
Output voltage	110 - 240 V ~ 50/60 Hz
Max. load current	7,5 A
Maximum output per module	2,5 A (fuse T 2.5 A for every module)
Maximum output current	6 x 1,25 A
Electrical insulation	Class I
Connectable devices	Wind detector - Rain detector - Ventilation button
Operating temperature	-5 °C- +65 °C
Degree of protection for electrical devices	IP65
Back-up battery	NO
Material	Technopolymer
Number of actuators*	up to 18 actuators 07882 (VARIA SLIM PLUS)

*For other actuators please contact Giesse technical support.



Power AT control units bear the CE marking, meaning they are authorised for sale within the European Union. The CE marking is a symbol of the products' compliance with European standards for electrical products.

Please refer to local laws in force for any countries outside the European Union.

HEATED RAIN DETECTOR

The rain-detector device should be placed outside so it can interact with the actuators in the event of incessant rain. The sensor can be connected:

- directly by wire to Varia Slim Radio – SPR CABLE
- directly by radio signal to Varia Slim Radio – SPR RADIO

The sensor is not sensitive to dewdrops or humidity, it dries quickly after rainfall and is not susceptible to ice formation. 5 metres in length, the power-supply cable has been built to withstand harsh environments and inclement weather, featuring a highly weather-resistant PVC sheath which is also non-fire-propagating and resistant to UV radiation.



Go to the technical data sheet

Code	Model
07894	HEATED RAIN SENSOR SPR CABLE

Heated rain sensor - Technical data

Model	Heated rain sensor SPR cable Code 07894
Power-supply voltage	12 V ÷ 24 V = (CC)
Maximum absorption power	20 mA – (120 mA with active heater)
Type of sensor	Capacitive
Heater intervention	< +4 °C
Contact type	SPDT
Contact rating	0,5 A/125 V CA – 1 A/24 V CC
Radio-transmission frequency	-
Operating temperature	-20 ÷ +65 °C
Feeding cable length	5 m
Feeding cable type - wire number	PVC LiY2Y protected from UV - 5 wires
Degree of protection for electrical devices	IP65
Dimensions	45 x 93 H = 19 mm
Weight	552 g (cable excluded)

SHEV RWA CONTROL UNITS for smoke/heat evacuation systems

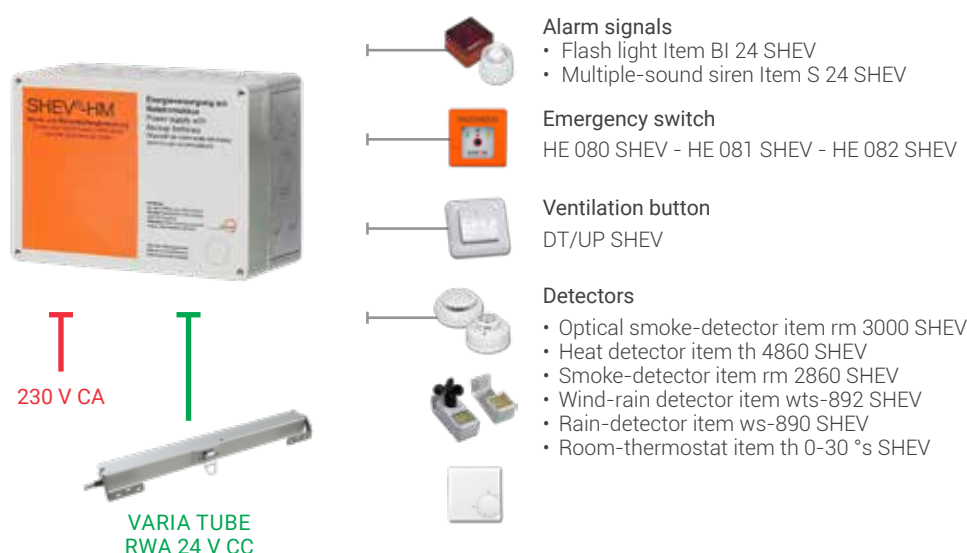
SHEV control units are designed to be used in RWA systems for smoke and heat extraction.

SHEV control units are installed together with Varia Tube RWA 24 V dc chain actuators as part of integrated systems that allow for the automatic and safe opening of windows in buildings in the event of fire.

The same RWA-system-controlled openings can be used for natural everyday room ventilation.



Smoke and heat
evacuation



Code	Model	Code	Model
07823	SHEV 3	07840	Wind-rain detector WTS-892 SHEV
07824	SHEV 6	07841	Emergency switch with status led + buzzer HE 080 SHEV
07825	Optical smoke detector RM 3000 SHEV	07846	Additional module for thermostat THM-200 SHEV
07826	Heat detector TH 4860 SHEV	07849	Rain detector WS-890 SHEV
07828	Emergency switch with status led HE 082 SHEV		
07839	Ventilation button DT/UP SHEV		

SHEV RWA Control units - Technical data

Model	SHEV 3 07823	SHEV 6 07824
Power-supply voltage	230 V CA	230 V CA
Output voltage	24 V CC	24 V CC
Max. load current	3 A	6 A
Max. number of connectable Varia Tube 24 V DC actuators	3	6
Housing	technopolymer	technopolymer
Back-up battery	included	included



All the products in the SHEV family bear the CE marking, meaning they are authorised for sale within the European Union. The CE marking is a symbol of SHEV products' compliance with European standards for electrical products.

Please refer to local laws in force for any countries outside the European Union.

**HARDWARE
SOLUTIONS**

**EXTRUDED
SOLUTIONS**

**CUSTOM
SOLUTIONS**



HOUSTON
HEADQUARTERS



1927
FOUNDATION



7,000+
EMPLOYEES



90+
MARKETS



60+
GLOBAL LOCATIONS



Contact Us

QUANEX-INTERNATIONAL.COM
QUANEX.COM



U0893201 - 07/2026