

## WMU 120

## DOUBLE CHAIN ACTUATOR 400N



### Application

- smoke and comfort ventilation
- for operation of top hinged windows
- chain length 400mm
- can be combined with espagnolette actuator type WMB 801/802

Compact 24 VDC window actuator with two chains for operating of heavy windows in pitched roofs and in large window walling solutions; it can be used for outward opening windows whether they are manufactured from timber, plastic or aluminium.

The window can be opened in variable positions up to max. 400mm with a pressure capacity of 400N (programmable).

The tractive capacity can be programmed from 150N to 300N. Other programming is available on request at an extra cost.

The housing is protected against corrosion and the chain is made of stainless steel.

The window actuator can be disengaged to facilitate cleaning of the window.

Possible extension of the cable e.g. in connection with mounting on frame profile must be ordered separately.

### Specifications

- integrated electric overload fuse
- chain length as well as permissible constant tractive and pressure load can be adapted from the factory (special requirements should be made at the order stage)
- chain length 400mm
- continuously variable programmable pressure and tractive force
- aluminium housing with steel chain
- chain bracket can be disengaged
- tested with 10,000 opening/closing movements

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Pressure force	programmable: from 150N to 400N, standard programming 400N		
Tractive force	programmable: from 150N to 300N. The window actuator's standard programming has a tractive capacity of 300N at the outer part of the chain, and 225N at the inner 70mm of the chain.		
Chain stroke	max. 400mm; the maximum opening angle depends on the construction of the window		
Voltage	24 VDC. min. 14V, max. 40V peak (max. 50% ripple)		
Open circuit voltage	max. 40 VDC		
Current consumption	2.0A (overload fuse 2.2A) current consumption continuous 400N pressure:		
	current consumption continuous	400N pressure force	1.7A at 24 VDC
	current consumption continuous	200N pressure force	1.1A at 24 VDC
	current consumption continuous	300N tractive force	1.9A at 24 VDC
	current consumption continuous	150N tractive force	1.1A at 24 VDC
	current consumption at end stop	300N tractive force	2.0A / 400ms at 24 VDC
	current consumption at end stop	150N tractive force	1.4A / 400ms at 24 VDC
Consumption of energy	max. 48W at 24 VDC		
Operating conditions	-10°C - +60°C		
Material	aluminium housing protected against corrosion and chain of stainless steel		
Colour	aluminium (EV1), other RAL-colours at additional cost		
Size	504 x 52 x 92mm (W x H x D)		
Weight	3.5kg		
Frame depth	when installed directly onto the frame: min. 75mm. If the frame depth is less than 75mm, a bracket for right angle installation must be used (WAB 120)		
Window height	when installed directly onto the frame: min. 700mm. If the window height is less than 700mm, a pivoting bracket must be used (WAB 121)		
Fire test	tested according to DIN 18232-3, section 3.6 (30 min./300°C)		
Delivery includes	actuator and sash brackets		
To be ordered separately	WLL cable		
Note	we reserve the right to make technical changes		

Item	Item no.
Double chain actuator	WMU 120 0103

Brackets	Item no.
Actuator bracket for WMU 120	WAB 120
Actuator bracket angle for WMU 120	WAB 121

For separate product sheets for further information.

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