

WML 860

Louvre actuator

Natural ventilation | 24V ±24V control | MotorLink® | UL certification - Actuators

Description

- designed for surface mounting as well as concealed installation in window profiles
- for comfort ventilation
- for louvre
- discreet and slimline design
- to be used together with ±24V control units or control units with MotorLink®
- external safety edge can be connected directly to the actuator (actuator version 'E')
- synchronization of up to four louvre actuators – no need for an external synchronization module
- genuine position feedback and three speeds when using control unit with MotorLink®
- soft close
- the electronics in this actuator can be programmed to suit specific requirements – i.e. pressure- and traction force, stroke, speed/sound level – with the WAT 100 programming box, also possible following installation
- built-in electronic load switch-off/end stop
- electronic actuator with micro controller
- the actuator has an integrated reverse function to ensure a prolonged life span of the window gaskets
- easy mounting
- UL listed product

Actuator versions

The actuator is available as single or syncro as well as version A or B.

Single- / syncro actuator
Single actuator (-1):
The single actuator is required, if the actuator is to drive as a single unit.

Syncro actuator (variant -2, -3 or -4):
The syncro actuators are required if two, three or four actuators are to drive together on one window.
The actuators which are to drive together, need to be the same variant.

A / B versions
The version describes the zero point/opening direction of the actuator.
The window is closed, when the actuator is at the zero point.

A version:
The actuator's zero point is away from the centre of the actuator housing.
The gear rack's stroke (opening direction) is towards the centre of the actuator housing – see the the dimension drawing on the last page.

B version:
The actuator's zero point is towards the centre of the actuator housing.
The gear rack's stroke (opening direction) is away from the centre of the actuator housing – see the the dimension drawing on the last page.

Technical specifications	
Pressure force	600N (programmable), momentary (max 500ms) permissible pressure force: 900N
Traction force	600N (programmable), momentary (max 500ms) permissible traction force: 900N
Locking force	2000N
Stroke	10 - 80mm, in increments of 10mm
Opening speed	1,5mm/s (programmable 0,5 - 1,5mm/s)
Window types	Louvre
Nominal voltage	24V DC (max. 10% ripple)
Voltage	19 - 32V DC
Max. open-circuit voltage	Max. 32V DC
Current consumption	Max. 1A
Consumption of power	Max. 24W
Operating condition	-5°C - +74°C, max. 90% relative humidity (not condensing)
Switch-on-duration	ED 40% (max. 2 min. per 5 min)
Material	Corrosion protected housing with 5m grey cable 3-core 0,34mm^2 with fast-in/fast-on connector
Colour	Grey (RAL 9006), other RAL colours available at additional price
Size	385 x 30,5 x 42mm (W x H x D)
Weight	1kg
IP rating	IP20
Certification	Certified according to UL 325 and CAN/CSA-22.2 No. 247-14
Delivery includes	Louvre actuator with 5m cable with fast-in/fast-on connector
Note	We reserve the right to make technical changes and correct typing errors

Product code composition

WML 860	**-n**	**G**	**x**	**xx**	**x**	**x**	**3**
							Product version: 3
						Certification: 0 = CE	
					Actuator hardware version: S = standard, E = with connection for pressure safety		
				Stroke: 10 – 80mm, in increments of 10mm (eg. 50mm = 50)			
			Version: A = the zero point of the actuator is away from the centre of the actuator B = the zero point of the actuator is closer to the centre of the actuator				
		Colour: G = grey					
	Actuator variant: 1= single, 2 = double, 3 = triple, 4 = quad						

Explanation of product code structure:

WML 860-2GA70S 03: WML 860 actuator, double synchronisation, grey, A version, 70mm stroke, standard actuator hardware, with CE certification, product version 3.

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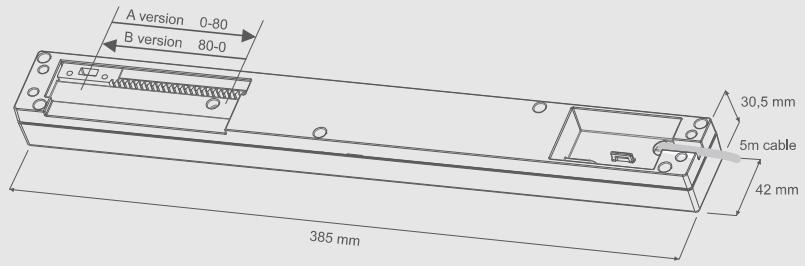
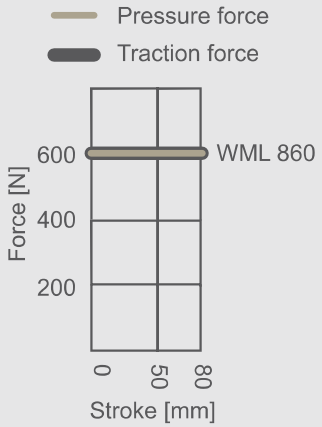
Louvre actuator



A version
The actuator’s zero point is away from the centre of the actuator housing. The gear rack’s stroke (opening direction) is towards the centre of the actuator housing.

B version
The actuator’s zero point is towards the centre of the actuator housing. The gear rack’s stroke (opening direction) is away from the centre of the actuator housing.



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