



RAL 9005 ■



WLL 121 - Extension cable

WMB 815 / WMB 816

## Locking actuator



Natural  
ventilation



Smoke ventilation  
EN 12101



Smoke ventilation  
B300

24V



MotorLink®



TrueSpeed™

5.30

### Description

- for comfort and smoke ventilation
- optimized design for concealed installation
- discreet and slim line design
- to be used together with  $\pm 24V$  control units or control units with MotorLink®
- complete integrated system solution in combination with actuator WMX 813
- 3 speeds when using control unit with MotorLink®, TrueSpeed™ capable
- soft close
- built-in electronic load switch-off/end stop
- electronic actuator with micro controller
- cable connection available – no need for junction box
- easy mounting

Compact 24 VDC locking actuator, which automatically locks/opens the locking system on the window, in such a way that the CE approval of the window is maintained.

This unit can also be used should increased protection against weather or break in be desired.

Closing force of 2000N per locking actuator.

The locking actuator can be concealed mounted in aluminium, timber or plastic window frames.

The locking system can be set in two positions: locked/open.

### Actuator variants

The locking actuator is available in single and double version, meaning up to two locking actuators can be mounted on the same window.

Both the single and the double version can be used with up to four window actuators on the same window.

#### Single WMB (one WMB)

WMB 815-1 L: single, locking to the left

WMB 815-1 R: single, locking to the right

#### Double WMB (two WMB on the same window)

WMB 815-2 L: double, first WMB, locking to the left

WMB 815-2 R: double, first WMB, locking to the right

WMB 816-2 L: double, second WMB, locking to the left

WMB 816-2 R: double, second WMB, locking to the right

Technical data	
Pressure force / load	300N
Tractive force	300N
Closing force	2000N (break in force)
Speed	1-8mm/s, TrueSpeed™ capable
Window types	top, bottom and side hung windows
Nominal voltage	24 VDC (max. 10% ripple)
Voltage	19 - 32 VDC
Open circuit voltage	max. 32 VDC
Current consumption	max. 1A
Power consumption	max. 24W
Temperature	-5°C - +74°C, max. 90% relative humidity (not condensing)
Switch on duration	ED 40% (2min. per 5min.)
Material	zinc housing protected against corrosion, aluminium
Colour	black RAL 9005. Other RAL colors available at additional price.
Dimension	22 x 33 x 331 mm (H x D x L)
Weight	0,56 kg
Connection	35 mm black 3-core 0.34mm <sup>2</sup> silicone cable with connector
IP rating	concealed: IP 32
SHE test	Approved according to EN 12101-2 with selected profiles – please contact WindowMaster for further information B300 tested according to EN 12101-2
Lifetime	11,000 open and close movements, full stroke
Delivery includes	locking actuator with 35 mm cable with Molex Micro-Fit connector
Note	we reserve the right to make technical changes

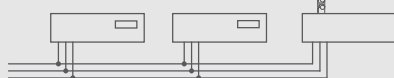
#### Combination options (here shown with WMX 813-n window actuator)

WMB 815-1 WMX 813-1



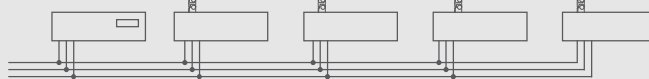
WMB 815-1 single locking actuator with one window single actuator

WMB 815-2 WMB 816-2 WMX 813-1



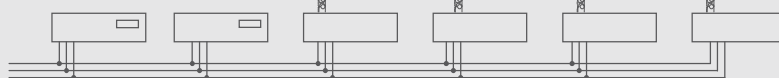
WMB 815-2 + WMB 816-2 double locking actuators with one single window actuator

WMB 815-1 WMX 813-4 WMX 813-4 WMX 813-4 WMX 813-4



WMB 815-1 single locking actuator with up to four quad window actuators

WMB 815-2 WMB 816-2 WMX 813-4 WMX 813-4 WMX 813-4 WMX 813-4



WMB 815-2 + WMB 816-2 double locking actuators with up to four quad window actuators


WLL connection cable is to be ordered separately

Item code composition					
WMB 815 / 816	-n	X	Y	Z	1
				Product version: 1	
				Certification: E = CE + EN 12101-2	
				Colour: B = black	
		Locking direction: L = Left, R = Right			
	Actuator variant: 1= single, 2 = double				
Explanation of product code structure					
WMB 816-2LB E1		WMB 816 locking actuator, double variant, locking to the left (seen from the inside), with CE 12101-2 certification, product version 1			

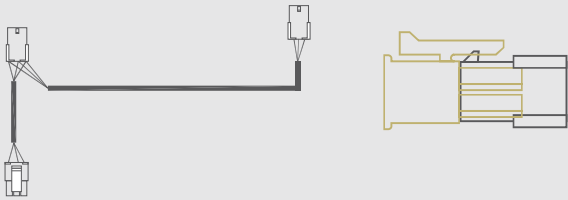
Items		
Variant	Description	Item no.
<b>Single actuator</b>	Single, locking to the left	WMB 815-1LB E1
	Single, locking to the right	WMB 815-1RB E1
<b>Double actuator</b>	Double, first actuator, locking to the left	WMB 815-2LB E1
	Double, first actuator, locking to the right	WMB 815-2RB E1
	Double, second actuator, locking to the left	WMB 816-2LB E1
	Double, second actuator, locking to the right	WMB 816-2RB E1

Accessoires	Item no.
Extension cable, 5m 3-core 0.34mm <sup>2</sup>	WLL 121
Connection cable for 2 actuators	WLL 122
Connection cable for 2 actuators with entrapment connection	WLL 122E

## Extension cable

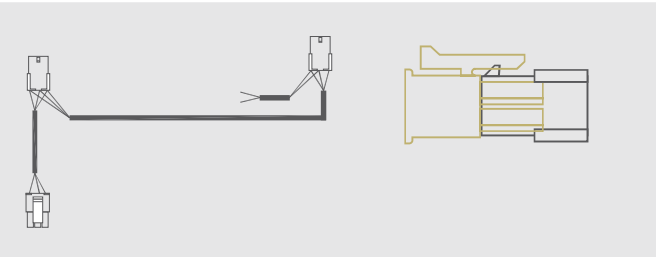
WLL 121			
		<b>Material</b>	silicone, black 5m, 3-core 0.34mm <sup>2</sup>
		<b>Application</b>	extension cable
		<b>Delivery includes</b>	1 x cable with attached Molex Micro-Fit connector and fast-on socket

## Connection cables

WLL 122			
		<b>Material</b>	silicone, black 1 x 1.5m, 3-core 0.34mm <sup>2</sup> 1 x 0.15m, 3-core 0.34mm <sup>2</sup>
		<b>Application</b>	cable for 2 actuators
		<b>Delivery includes</b>	2 x cable with attached Molex Micro-Fit connectors

WMB 815 / WMB 816

# Locking actuator

WLL 122E		
	Material	silicone, black 1 x 1.5m, 3-core 0.34mm <sup>2</sup> 1 x 0.15m, 3-core 0.34mm <sup>2</sup> 1 x 0.165 m, 2-core 0.34mm <sup>2</sup> (for entrapment connection)
	Application	cable for 2 actuators
	Delivery includes	3 x cable with attached Molex Micro-Fit connectors

