

4 AC Motor Controller Wieland

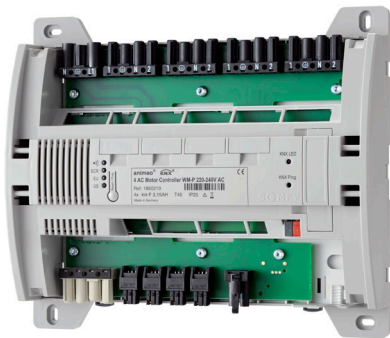
animeo Solo

animeo IB+

animeo KNX

animeo LON

SOLUTIONS FOR BUILDING CONTROL



Ref. 1860103

Motor controller for roller shutters, screens, exterior Venetian blinds and window openers.

To individually control up to four 230 V AC motors via local push buttons or in groups with IB+ Controlling.

For the integration with Wieland plug and play system.

Installation advantages

- > Plug and play installation for save and secure connections.
- > Easy and quick commissioning in combination with the animeo IB+ Building Controller.
- > Spring connectors and tension relief with cable ties for safer and quicker installation.
- > Status feedback through LEDs.
- > Easily accessible safety fuses per output.

Functional advantages

- > All windows can be managed independently from each other.
- > Intelligent switching between manual and automatic operation to guarantee excellent user-friendliness and energy savings.
- > Local setting of an intermediate position and of user ergonomics.
- > Upgradable at any time for local controlling through radio Somfy RTS or EnOcean technology.

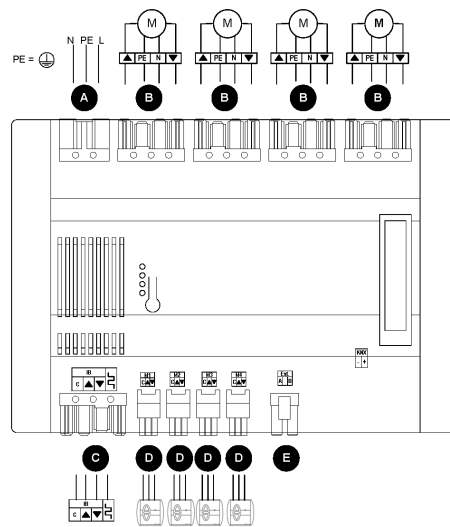
Wiring

Connection	Cables	Twisted pairs	Max. distance
Motors	Min.: 4 x 1.5 mm ² /16 AWG Max.: 4 x 2.5 mm ² /13 AWG	-	150 m
Motor Controller Extensions	Min.: 2 x 0.6 mm ² /19 AWG Max.: 2 x 2.5 mm ² /13 AWG	Required	50 m
Switches	Min.: 3 x 0.6 mm ² /19 AWG Max.: 3 x 2.5 mm ² /13 AWG	Recommended	100 m
IB+ bus	Min.: 4 x 0.6 mm ² /19 AWG Max.: 4 x 1.5 mm ² /16 AWG	Recommended	1000 m
220-240 V AC	Min.: 3 x 0.75 mm ² /16 AWG Max.: 3 x 2.5 mm ² /13 AWG	-	

Classification

The Motor Controller is an electronically and manually-operated, independently-mounted control.

- Class A control function
- Type 1 action
- Pollution degree: 2
- Rated impulse voltage: 4 kV
- Temperature of the ball hardness test: 75 °C
- Type X attachment
- Method of attachment for non-detachable cords: screwless spring terminal
- EMC emission test: $U_{AC} = 230 \text{ V AC}$ $I_{AC} = 0.5 \text{ A}$
(EN 55022 Class B emission)



	Connection to	PCB Connector	Cable connector	Remarks
A	230 V AC	92.034.0058.1	92.933.0053.1	
B	Motors Out (4 x)	92.043.0058.1	92.944.0053.1	
C	IB+ Bus in	92.043.0058.0	92.944.0153.0	
D	Local switch (4 x)	93.431.2653.1	93.432.2553.1	
E	Motor Controller Extension	93.082.1558.1	93.941.0558.1	

CHARACTERISTICS

WM Ref. 1860103

Supply voltage	220–240 V AC / 50/60 Hz
Stand-by power (IEC 62301)	< 0,5 W
Max. motor current consumption	4 x 3.0 A, $\cos \varphi = 0.95$
Supply voltage of group control input	SELV, 16 V DC =
Supply voltage of local push buttons	SELV, 16 V DC =
Fuse for all outputs	4 x F 3.15 AH
Terminals	Spring connectors
Running time per output (relay contact)	Max. 5 minutes
Operating temperature	0 °C to 45 °C
Relative humidity	85 %
Material of housing	CC-ABS polycarbonate
Housing dimensions (w x h x d)	180 x 255 x 63 mm
Weight	1060 g
Degree of protection	IP 20
Protection class	II, corresponding to the installation
Conformity	www.somfy.com/ce