

1 AC Motor Controller WM/PCB 100–240 V AC

animeo Solo

animeo IB+

animeo KNX

animeo LON

SOLUTIONS FOR COMMERCIAL BUILDINGS



Ref. 1860121



Ref. 1860122

Motor Controller for motorized roller shutters, screens, external Venetian blinds and windows.

For the individual controlling of 1 x 230 V AC motors via a local standard push-button switch or using the animeo IB+ solar shading management system.

Available in two versions: wall-mounted (WM) and printed circuit board (PCB).

Installation advantages

- > Flexible installation: suspended ceiling/raised floor, under-window or wall-mounted wiring channels, electrical cabinet with clip adapter.
- > Quick installation and connection of the motor controller through:
 1. Spring tension to fasten wiring and double terminals to avoid need for a junction box.
 2. Generous space for connection of single cables.
 3. Status feedback through LEDs.

Functional advantages

- > Via local standard switches users can control the solar shading to the desired position and overwrite automatic operation.
- > The product enables optimized adjustment of the shading – according to the type of solar shading installed – to the desired position.
- > Venetian blind slat orientation can be limited to a certain operating range to enable energy savings while offering users freedom to adjust lighting comfort.

Wiring

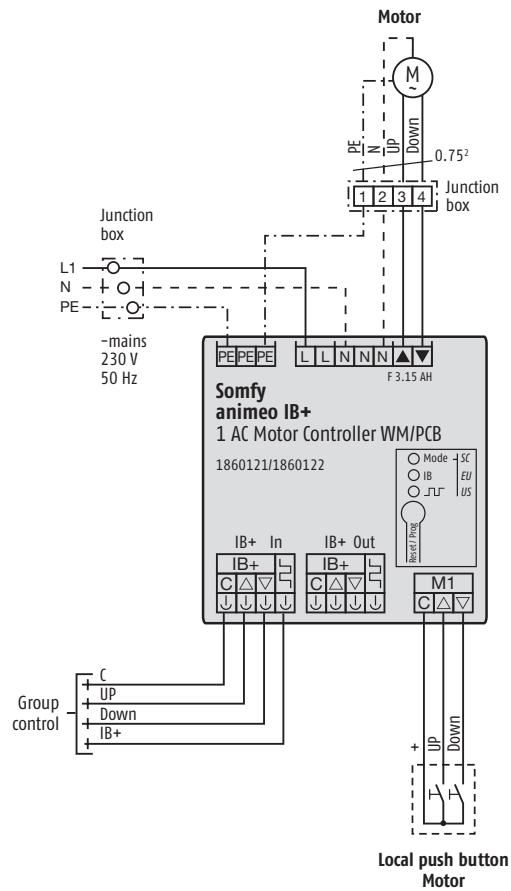
Connection	Cables	Twisted pairs	Max. distance
Motors	Min.: 4 x 0.75 mm ² /18 AWG – Max.: 4 x 2.5 mm ² /14 AWG		150 m
Switches	Min.: 3 x 0.6 mm ² /22 AWG Max.: 3 x 2.5 mm ² /14 AWG	Recommended	100 m
Group control	Min.: 4 x 0.6 mm ² /22 AWG Max.: 4 x 1.5 mm ² /16 AWG	Recommended	1000 m
100–240 V AC	Min.: 3 x 1.5 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: $U_{AC} = 230V AC$ $I_{AC} = 0.5 A$
(EN 55022 Class B emission)

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CHARACTERISTICS

	WM Ref. 1860121	PCB Ref. 1860122
Supply voltage	100–240 V AC / 50/60 Hz	100–240 V AC / 50/60 Hz
Stand-by current (IEC 62301)	< 3 mA @ 230 V AC	< 3 mA @ 230 V AC
Stand-by power (IEC 62301)	< 130 mW @ 230 V AC	< 130 mW @ 230 V AC
Max. motor current consumption	1 x 3.0 A, $\cos \varphi = 0.95$	1 x 3.0 A, $\cos \varphi = 0.95$
Supply voltage of group control input	SELV, 16 V DC =	SELV, 16 V DC =
Supply voltage of local push buttons	SELV, 16 V DC =	SELV, 16 V DC =
Fuse for all outputs	1 x F 3.15 AH	1 x F 3.15 AH
Terminals	Spring connectors	Spring connectors
Running time per output (relay contact)	Max. 5 minutes	Max. 5 minutes
Operating temperature	0 °C to 45 °C	0 °C to 45 °C
Relative humidity	85 %	85 %
Material of housing	CC-ABS polycarbonate	CC-ABS polycarbonate
Housing dimensions (w x h x d)	90 x 180 x 45 mm	65 x 105 x 20 mm
Degree of protection	IP 20	IP 00
Protection class	II (looped through PE connection - depending on the installation)	II (looped through PE connection - depending on the installation)
Conformity	www.somfy.com/ce	www.somfy.com/ce