

4 DC/E Motor Controller WM 220-230 V AC

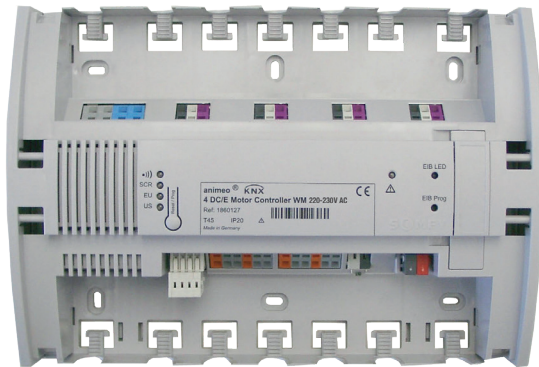
animeo Solo

animeo IB+

animeo KNX

animeo LON

SOLUTIONS FOR BUILDING CONTROL



Ref. 1860127

Motor Controller for interior roller blinds and interior Venetian blinds.

To individually control up to four 24 V DC motors or 24 V DC/E encoder motors via local push buttons or in groups with IB+ controlling technology.

Available in wall-mounted version (WM).

Installation advantages

- > Easy installation thanks to integrated 24 V DC power supply.
- > Easy and quick commissioning in combination with the animeo KNX Master Control.
- > Spring connectors and tension relief with cable ties for safer and quicker installation.
- > Status feedback through LEDs.
- > Indication in case of overload.

Functional advantages

- > Local push button inputs can be used for up to 8 freely definable binary inputs.
- > Local setting of an intermediate position and user ergonomics.
- > Configurable up and down speed in combination with the animeo KNX Master Control.
- > Configurable slats and rotation speed for optimum user ergonomics.
- > Enables very precise slats orientation and/or load bars alignment thanks to Somfy LW25 E83 Motor Encoder.
- > Upgradable at any time for local controlling through radio Somfy RTS or EnOcean technology.
- > Up to 5 freely definable radio binary inputs are available when using pluggable radio cards.

Wiring

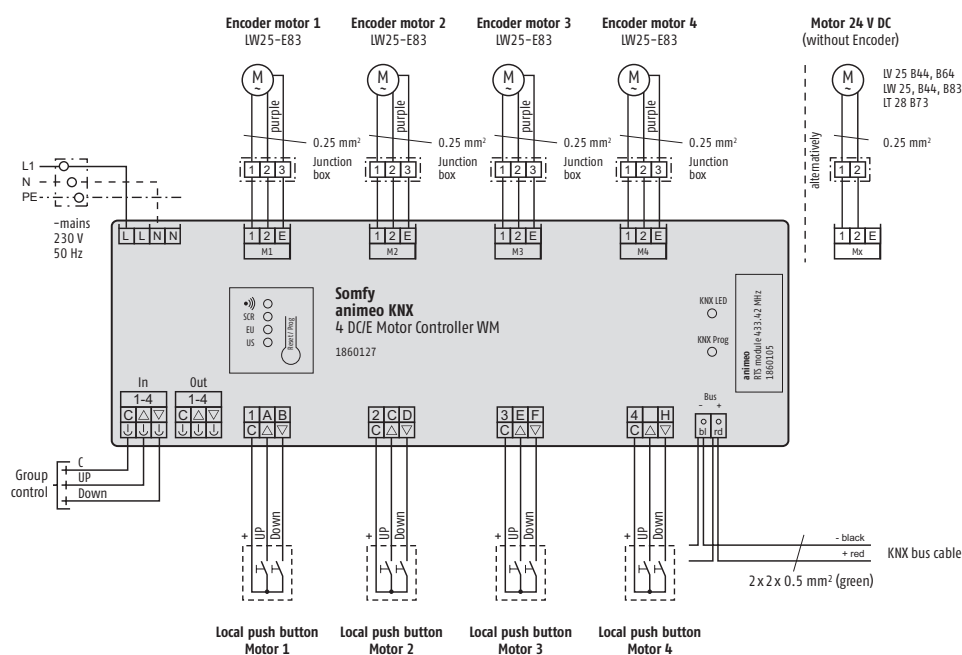
Connection	Cables	Twisted pairs	Max. distance
Motors	Min.: 3 x 0.28 mm ² /22 AWG Max.: 3 x 2.5 mm ² /13 AWG	-	20 m/65 ft
Switches	Min.: 3 x 0.28 mm ² /22 AWG Max.: 3 x 2.5 mm ² /13 AWG	Recommended	100 m/ 330 ft
Group control	Min.: 3 x 0.28 mm ² /22 AWG Max.: 3 x 1.5 mm ² /15 AWG	Recommended	50 m/ 165 ft
KNX bus	2 x 0.5 mm ² /20 AWG	Required, following KNX topology guidelines	
220 - 230 V AC	Min.: 3 x 1.5 mm ² /15 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: 87 °C
- Type X attachment
- Method of attachment for non-detachable cords: screwless spring terminal
- EMC emission test: $U_{AC} = 230 \text{ V AC}$ $I_{AC} = 0.05 \text{ A}$ (EN 55022 Class B emission)

somfy®



CHARACTERISTICS

WM Ref. 1860127

Supply voltage	220-230 V AC / 50/60 Hz
Stand-by current (IEC 62301)	< 0.05 A@230 V AC
Stand-by power (IEC 62301)	< 4 W@230 V AC
Supply voltage from KNX bus	KNX-voltage 21 ... 32 V DC, SELV
Rated current consumption KNX	As per KNX guidelines, 10 mA
Max. motor current consumption	4 x 0.6 A@24 V DC
Supply voltage of group control input	SELV, 16 V DC =
Supply voltage of local push buttons	SELV, 16 V DC =
Output	Short circuit protected
Terminals	Spring connectors
Terminal KNX	KNX bus terminal (black/red)
Running time per output (relay contact)	Max. 5 minutes or 5000 mm
Operating temperature	- 5 °C to 45 °C
Relative humidity	Max. 85 %
Material of housing	PC-ABS
Housing dimensions (w x h x d)	180 x 255 x 61 mm
Weight	790 g
Degree of protection	IP 20
Protection class	II
Conformity	www.somfy.com/ce