Motor Controller for interior blinds, interior Venetian blinds and window openers.

To individually control up to four 24 V DC motors via local push buttons or in groups with IB+ Controlling Technology.

Available in wall-mounted version (WM).

External 24 V DC power supply (ref. 1860093) required.

**Installation advantages**

- 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 defineable binary inputs.
- Intelligent switching between manual and automatic operation to guarantee excellent user-friendliness and energy savings.
- Local setting of an intermediate position and user ergonomics.
- Configurable slats and rotation speed for optimum user ergonomics.
- 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**

<table>
<thead>
<tr>
<th>Connection</th>
<th>Cables</th>
<th>Twisted pairs</th>
<th>Max. distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motors</td>
<td>Min.: 2 x 0.6 mm²/19 AWG Max.: 2 x 2.5 mm²/13 AWG</td>
<td>-</td>
<td>20 m</td>
</tr>
<tr>
<td>Switches</td>
<td>Min.: 3 x 0.6 mm²/19 AWG Max.: 3 x 2.5 mm²/13 AWG</td>
<td>Recommended</td>
<td>150 m</td>
</tr>
<tr>
<td>Group control</td>
<td>Min.: 3 x 0.6 mm²/19 AWG Max.: 3 x 1.5 mm²/16 AWG</td>
<td>Recommended</td>
<td>1000 m</td>
</tr>
<tr>
<td>24 V DC</td>
<td>Min.: 2 x 1.5 mm²/16 AWG Max.: 2 x 2.5 mm²/13 AWG</td>
<td></td>
<td>10 m</td>
</tr>
</tbody>
</table>

**Classification**

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

- Class A control function
- Type 1 action
- Pollution degree: 2
- Temperature of the ball hardness test: 75 °C
- Type X attachment
- Method of attachment for non-detachable cords: screwless spring terminal
- EMC emission test: 
  \[ U_{\text{lim}} = 24 \text{ V DC} \quad I_{\text{lim}} = 9 \text{ A} \] (EN 55022 Class B emission)
**SOLUTIONS FOR BUILDING CONTROL**

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**CHARACTERISTICS**

**WM Ref. 1860128**

**Supply voltage**  
24 V DC (min. 21.5 V DC – max. 28 V DC)

**Stand-by current (IEC 62301)**  
50 mA@24 V DC

**Stand-by power (IEC 62301)**  
300 mW @ 24 V DC

**Supply voltage from KNX bus**  
KNX-voltage 21 ... 30 V DC, SELV

**Rated current consumption KNX**  
As per KNX guidelines, 10 mA

**Max. motor current consumption**  
4 x 2.3 A@24 V DC

**Supply voltage of group control input**  
SELV, 16 V DC =

**Supply voltage of local push buttons**  
SELV, 16 V DC =

**Input/Output**  
Short circuit protected

**Terminals**  
Spring connectors

**Terminal KNX**  
KNX bus terminal (black/red)

**Running time per output (relay contact)**  
Max. 5 minutes

**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 63 mm

**Weight**  
700 g

**Degree of protection**  
IP 20

**Protection class**  
III

**Conformity**  
www.somfy.com/ce