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.
> Upgradeable at any time for local controlling through radio Somfy RTS or EnOcean technology.

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.: 4 x 1.5 mm²/16 AWG</td>
<td>-</td>
<td>150 m</td>
</tr>
<tr>
<td></td>
<td>Max.: 4 x 2.5 mm²/13 AWG</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Motor Controller Extensions</td>
<td>Min.: 2 x 0.6 mm²/19 AWG</td>
<td>Required</td>
<td>50 m</td>
</tr>
<tr>
<td></td>
<td>Max.: 2 x 2.5 mm²/13 AWG</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Switches</td>
<td>Min.: 3 x 0.6 mm²/19 AWG</td>
<td>Recommended</td>
<td>100 m</td>
</tr>
<tr>
<td></td>
<td>Max.: 3 x 2.5 mm²/13 AWG</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IB+ bus</td>
<td>Min.: 4 x 0.6 mm²/19 AWG</td>
<td>Recommended</td>
<td>1000 m</td>
</tr>
<tr>
<td></td>
<td>Max.: 4 x 1.5 mm²/16 AWG</td>
<td></td>
<td></td>
</tr>
<tr>
<td>220–240 V AC</td>
<td>Min.: 3 x 0.75 mm²/16 AWG</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Max.: 3 x 2.5 mm²/13 AWG</td>
<td></td>
<td></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
- 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: $U_{ac} = 230\, V\, AC$ \quad I_{ac} = 0.5\, A

Ref. 1860103
## CONNECTION TO PCB CONNECTOR CABLE CONNECTOR

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

### 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, \(\cos \phi = 0.95\)
- **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](http://www.somfy.com/ce)