

# Sonessa® ULTRA 50 DC RS485

New Square Head

504A8 1134022



Somfy  
DESIGNED FOR  
SILENCE

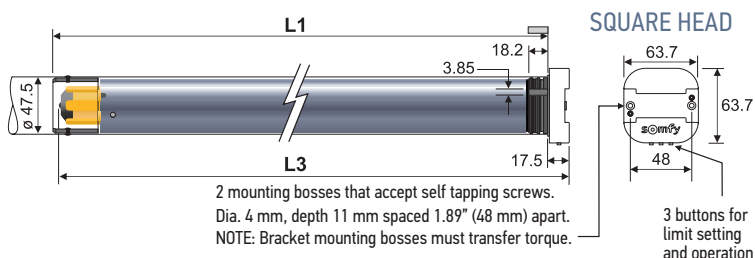


A new generation of intelligent motors that are controlled and monitored via Somfy Digital Network solutions and animeo® IP total solar management system.

## Technical Features

<b>Voltage Supply</b>	24V DC
<b>Index Protection Rating</b>	IP 20 (interior use)
<b>Limit Switch Type</b>	Electronic
<b>Limit Switch Capacity</b>	38 Turns
<b>Temperature Working Range</b>	32°F to 140°F (0°C to 60°C) (interior use only)
<b>Insulation Class</b>	Class 3
<b>Wiring</b>	In accordance with NEC and local electrical codes.
<b>Power Supply</b>	Use only Somfy's power supplies to maintain UL listing requirements and guarantee motor's performance.

## Dimensions



### Dimensions

<b>L1</b>	30.7 in. (780 mm)
<b>L3</b>	31.5 in. (800 mm)
<b>Data &amp; Power Cable Length</b>	10 in. (250 mm)

## Specifications

- \* **Minimum Torque:** Minimum application weight to ensure smooth operation.
- \*\* **Sound Level:** According to standards ISO 3741 NF 31022 in dBA ref 1pW at nominal torque without end product.

### Fabrication Recommendations:

- Operational noise level is reduced when the motor, tube, and mechanical accessories are properly adapted to motorized applications.
- Free play must be minimized between the accessories and the end product tube to ensure quiet performance of the motor.
- Due to the variances of standard aluminum extrusion tolerances, it is recommended to screw the drive wheel & pin end to immobilize them and ensure quiet performance throughout the life of the product.
- Interior Tube Diameter (ID) > 47 mm must be respected.
- A motor crown adaptor between motor and end product tube is required to ensure concentric operation of the motor.
- 500 Series Drive Stop and Screw (9910004) is recommended to prevent noise and drive wheel separation from the motor shaft.
- Somfy Soft Clip Drive Wheel Adaptors (brown in color) are not recommended.

<b>Torque</b>	4 Nm
<b>* Minimum Torque</b>	0.4 Nm
<b>Nominal Voltage</b>	24V DC
<b>Rated Current</b>	1.5A
<b>Speed</b>	10-25 Adjustable
<b>Thermal Protection</b>	5 minutes
<b>** Sound Level</b>	≤ 38 dBA



## Pigtail: Data and Power (Included with every motor. Also available separately, part # 9020004).

<p>JST to Motor</p> <p>G + - NC &gt; &gt; +</p>	<p>Weidmuller Connects to Network</p> <p>&gt; + &gt; - + - G</p>	<p>Cable Detail View</p>	<p>Connector Markings Detail View</p> <p>Font: Ariel Height: 2.3 mm Color: Black</p>	<p>Maximum Power Cable Length (to guarantee characteristics)</p> <table border="1"> <thead> <tr> <th>GAUGE</th> <th>LENGTH</th> </tr> </thead> <tbody> <tr> <td>14 AWG</td> <td>240 ft.</td> </tr> <tr> <td>16 AWG</td> <td>150 ft.</td> </tr> <tr> <td>18 AWG</td> <td>100 ft.</td> </tr> </tbody> </table>	GAUGE	LENGTH	14 AWG	240 ft.	16 AWG	150 ft.	18 AWG	100 ft.
GAUGE	LENGTH											
14 AWG	240 ft.											
16 AWG	150 ft.											
18 AWG	100 ft.											

Visit [somfysystems.com/sdn-2-0](http://somfysystems.com/sdn-2-0) for complete information on SDN 2.0 Bus Distribution Products.