

# Sonessa® ULTRA 50 DC RTS

New Square Head

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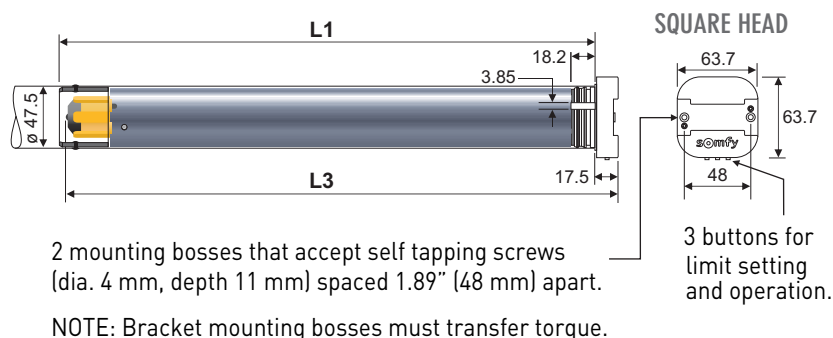


Radio Technology Somfy® (RTS) allows for wireless radio control of motorized window coverings via the RTS family of controls.

## Technical Features

<b>NEW Sleep Mode</b>	New feature that allows for advanced programming and grouping.
<b>Voltage Supply</b>	24V DC
<b>Index Protection Rating</b>	IP 20 (Interior)
<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



<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.

<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

### 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) → 47.5 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.



## Pigtail: Data and Power

<b>JST to Motor</b>  V- V+	<b>Weidmuller Connects to Network</b>  V+ V-	<b>Cable Detail View</b>  10 inches 1 in. max .75 in. max	<b>Connector Markings Detail View</b>  Font: Ariel Height: 2.3 mm Color: Black	<b>Maximum Power Cable Length (to guarantee characteristics)</b> <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.
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