

# Sonesse® ULTRA 50 DC RTS

Square Head Motor

**Sonesse Ultra 504 A8 DC RTS**  
#1134023

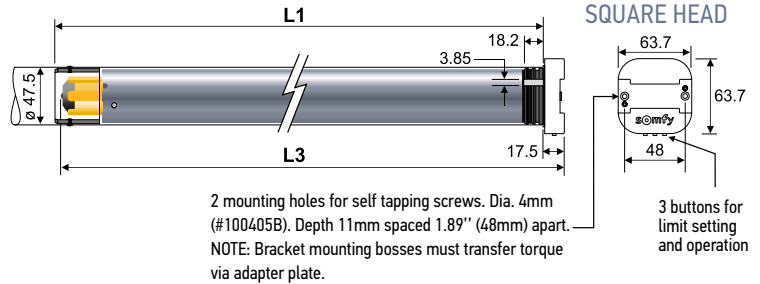


Radio Technology Somfy (RTS) allows for wireless radio control of motorized window coverings via the RTS family of controls.

## 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



### Dimensions

L1	30.7 in. (780 mm)
L3	31.5 in. (800 mm)
Data & Power Cable Length	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. This drive stop screw must be tightened with a torque ranging between 1.5 Nm and 1.8 Nm.
- Somfy Soft Clip Drive Wheel Adaptors (brown in color) are not recommended.

Torque	4 Nm
* Minimum Torque	0.4 Nm
Nominal Voltage	24V DC
Rated Current	1.5A
Speed	Adjustable: 10-25 rpm (default: 25)
Thermal Protection	5 minutes
** Sound Level	≤ 38 dBA



**Pigtail Power Cable:** (Included with every motor. Also available separately, part # 9020005).

<p>Weidmuller Connects to Network</p>	<p>Cable Detail View</p>	<p>JST to Motor</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.
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