

**Sonesse® ULTRA 50 RTS**

Star Head and Round Head Motors

**506A2** 1002562    **506A2RH** 1002564



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

**Technical Features**

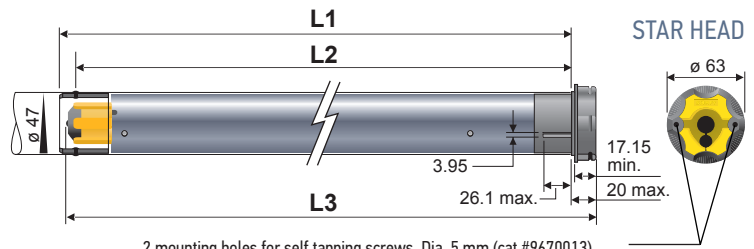
<b>Voltage Supply</b>	120V AC, 60Hz
<b>Index Protection Rating</b>	IP 31 (interior use)
<b>Limit Switch Type</b>	Electronic RTS
<b>Limit Switch Capacity</b>	250 Turns
<b>Temperature Working Range</b>	32°F to 140°F (0°C to 60°C) (interior use only)
<b>Insulation Class</b>	Class 1 for 120V AC
<b>Antenna</b>	Integrated into power cord. Power cord must be at least 12 inches and must not come in contact with metal.
<b>Wiring</b>	Parallel wiring allowed in accordance with NEC and local electrical codes.

**Specifications**

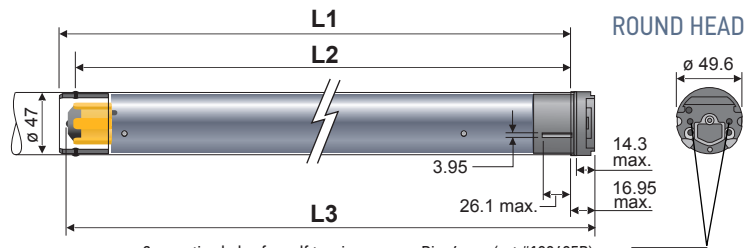
<b>Torque</b>	6 Nm
<b>* Minimum Torque</b>	0.4 Nm
<b>Nominal Voltage</b>	120V / 60Hz
<b>Rated Current</b>	.95A
<b>Speed</b>	24 rpm
<b>Thermal Protection</b>	4 minutes
<b>Radio Frequency</b>	433.42 MHz
<b>**Sound Level</b>	≤ 38 dBA



**Dimensions**



2 mounting holes for self tapping screws. Dia. 5 mm (cat #9670013).  
Depth 13 mm spaced 1.89" (48 mm) apart.



2 mounting holes for self tapping screws. Dia. 4 mm (cat #100405B).  
Depth 9 mm spaced 1.14" (29 mm) apart.

**Dimensions**

<b>L1</b>	31.8 in. (808 mm)
<b>L2</b>	31.3 in. (795 mm)
<b>L3</b>	SH 32.4 in. (823 mm) RH 32.3 in. (820 mm)
<b>SJTW Power Cable Length</b>	9.8 ft. (3 m)

Optional cables with NEMA plugs available in 3 ft, 6 ft, 10 ft, 12 ft, 18 ft, 24 ft.

\* **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 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 motor.
- 500 Series Drive Stop and Screw (9910004) is recommended to prevent noise and drive wheel separation from motor shaft. This drive stop screw must be tightened with a torque ranging between 1.5Nm and 1.8Nm.
- Somfy Soft Clip Drive Wheel Adaptors (brown in color) are not recommended.

**Type of power cable**

