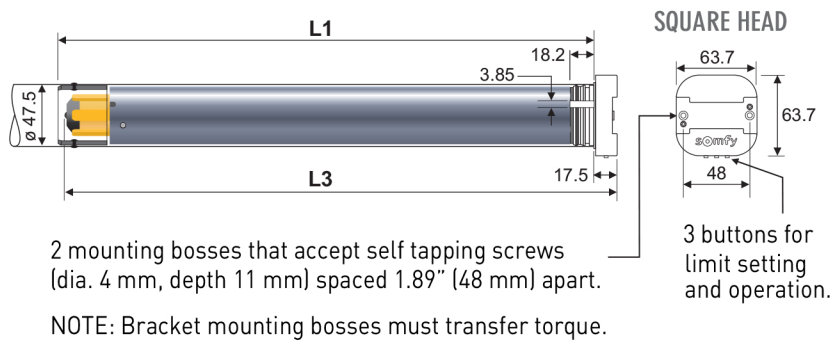


# Sonesse® ULTRA 50 DC RTS

## 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)

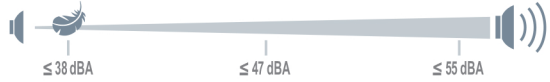
## Specifications

- \* 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

**JST to Motor**

**Weidmuller Connects to Network**

**Cable Detail View**

**Connector Markings Detail View**

Font: Ariel  
Height: 2.3 mm  
Color: Black

**Maximum Power Cable Length (to guarantee characteristics)**

GAUGE	LENGTH
14 AWG	240 Ft.
16 AWG	150 Ft.
18 AWG	100 Ft.