

Sonessa® ULTRA 50 DC RTS

New Square Head

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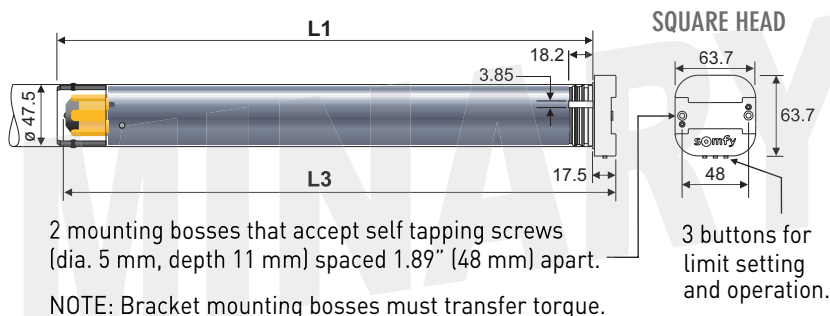


A new generation of intelligent motors that are controlled and monitored via Somfy digital network solutions and animeo® IP total solar management system.

Technical Features

Voltage Supply	24V DC
Index Protection Rating	IP 20 (interior)
Limit Switch Type	Electronic
Limit Switch Capacity	38 Turns
Temperature Working Range	32°F to 140°F (0°C to 60°C) (Interior use only)
Insulation Class	Class 111
Wiring	In accordance with NEC and local electrical codes.

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.

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

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) → 47.5 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.
- 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) <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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