

Technical Features

Voltage Supply	120V AC, 60Hz
Index Protection Rating	504 - IP 31 (interior use) 506 - IP 44 (interior & exterior use)
Limit Switch Type	Electronic RTS
Limit Switch Capacity	250 Turns
Temperature Working Range	504: 32°F to 140°F (0°C to 60°C) Interior use 506: -4°F to 158°F (-20°C to 70°C) Interior and exterior use
Insulation Class	Class 1 for 120V
Antenna	Integrated into power cord. Power cord must be at least 12 inches and must not come in contact with metal
Wiring	Parallel wiring allowed in accordance with NEC and local electrical codes

Performances

506	
Torque	6 Nm
Nominal Voltage	120V / 60Hz
Rated Current	1.2A
Speed	32 rpm
Thermal Protection	5 minutes
Radio Frequency	433.42 MHz
*Sound Level	≤ 40 dBA

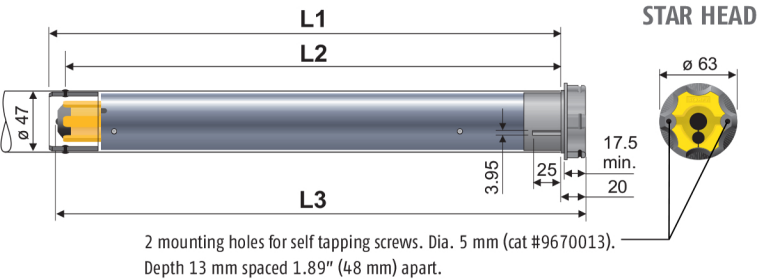
\*Sound Level:

Sound level measured at 3 feet from end product at maximum rated torque.

Fabrication Recommendations:

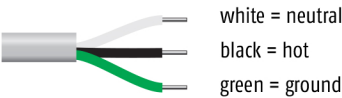
- Operational noise level is reduced when motor, tube, and mechanical accessories are properly adapted to motorized applications.
- Free play must be minimized between the accessories and the end product tube to ensure quiet performance of the motor.
- Interior Tube Diameter (ID) > 47mm must be respected.
- A motor crown adapter 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 Adapters (brown in color) are not recommended.

Dimensions



Type of Cable

RTS  
120V / 60Hz  
3 conductor cable



Dimensions	506
L1	25.7 in (653 mm)
L2	25.2 in (640 mm)
L3	SH 26.2 in (666 mm) RH 26.1 in (663 mm)
Cable Length	6.5ft (2 m)

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