

# Sonesse® 50 DCT

## Star Head Motors

506S2 1001804  
510S2 1001803

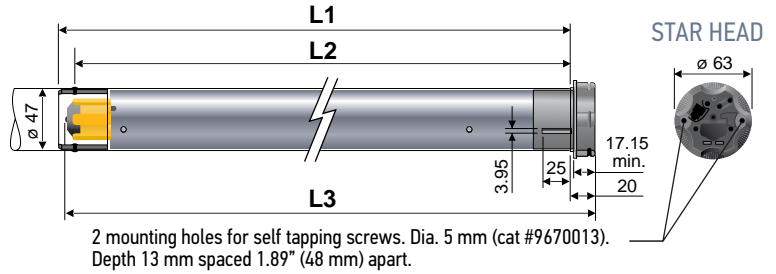


Motors that can be controlled via contact closure (dry contact) or infrared.

### Technical Features

<b>Voltage Supply</b>	120V AC, 60Hz
<b>Index Protection Rating</b>	IP 44
<b>Limit Switch Type</b>	Electronic
<b>Limit Switch Capacity</b>	300 Turns
<b>Temperature Working Range</b>	-4°F to 140°F (-20°C to 60°C)
<b>Insulation Class</b>	Class 1 for 120V AC
<b>Wiring</b>	Parallel wiring allowed in accordance with NEC and local electrical codes.

### Dimensions



### Specifications

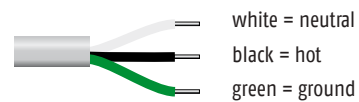
<b>Torque</b>	6 Nm	10 Nm
<b>Nominal Voltage</b>	120V / 60Hz	120V / 60Hz
<b>Rated Current</b>	1.2A	1.66A
<b>Speed</b>	32 rpm	32 rpm
<b>Thermal Protection</b>	4 minutes	4 minutes
<b>*Sound Level</b>	≤ 45 dBA	≤ 47.2 dBA

### Dimensions

Dimensions	506	510
<b>L1</b>	25.71 in. (653 mm)	26.49 in. (673 mm)
<b>L2</b>	25.19 in. (640 mm)	25.98 in. (660 mm)
<b>L3</b>	26.22 in. (666 mm)	27.01 in. (686 mm)
<b>Power Cable Length</b>	1.4 ft. (.44 m)	1.4 ft. (.44 m)
<b>Data Cable Length</b>	1 ft. (.3 m) 4 wire	1 ft. (.3 m) 4 wire

### Type of power cable

**DCT**  
120V AC / 60Hz  
3 conductor cable



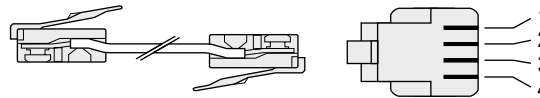
\* **Sound Level:** According to standards ISO 3741 NF 31022 in dBA ref 1pW at nominal torque without end product.

### Fabrication Recommendations:

- Operational noise level is reduced when motor, tube, and 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) > 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.
- Somfy Soft Clip Drive Wheel Adaptors (brown in color) are not recommended.

### Data Cable

#### RJ9 Pin Outs



PIN COLOR	4 RED	3 BLUE	2 WHITE	1 YELLOW
<b>Dry Contact</b>	UP	GND	-	DOWN
<b>IR Contact</b>	IR	GND	+5V	-

#### Optional Data Cables:

- DCT white data cable - 1 ft. (.3 m) Part #9209060
- DCT white data cable - 5 ft. (1.5 m) Part #9209061
- DCT white data cable - 25 ft. (7.5 m) Part #9012343
- DCT white data cable - 50 ft. (15 m) Part #9012344