

# Sonesse® ULTRA 50 DC RS485 Square Head Motor

Item #: 1134022



Somfy  
DESIGNED FOR  
SILENCE



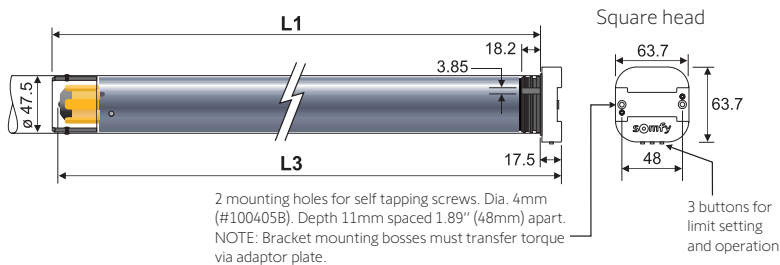
## Technical Features

|                           |                                                    |
|---------------------------|----------------------------------------------------|
| 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)<br>(interior use only) |

|                  |                                                                                                        |
|------------------|--------------------------------------------------------------------------------------------------------|
| Insulation Class | Class 3                                                                                                |
| Wiring           | In accordance with NEC and local electrical codes.                                                     |
| Power Supply     | Use only Somfy's power supplies to maintain UL listing requirements and guarantee motor's performance. |

## Dimensions

|                           |                  |
|---------------------------|------------------|
| L1                        | 30.7 in. (780mm) |
| L3                        | 31.5 in. (800mm) |
| Data & Power Cable length | 10 in. (250mm)   |



## Specifications

|                    |                       |
|--------------------|-----------------------|
| Torque             | 4 Nm                  |
| Minimum Torque*    | 0.4 Nm                |
| Nominal Voltage    | 24V DC                |
| Rated Current      | 1.5A                  |
| Rated Power        | 36W                   |
| Speed range        | Adjustable: 10-25 rpm |
| Thermal protection | 5 minutes             |
| Sound Level***     | ≤38 dBA               |

### \*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 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) > 47mm 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. This drive stop screw must be tightened with a torque ranging between 1.5 Nm and 1.8 Nm.
- Somfy Soft Clip Drive Wheel Adaptors (brown in color) are not recommended.



## Pigtail power cable

(Included with every motor. Also available separately, power and data pigtail (#9020004) or 5 position motor connector (#9020743) only.

JST to Motor

Weidmuller Connects to Network

Cable Detail View

Connector Markings Detail View

Font: Ariel  
Height: 2.3 mm  
Color: Black

| Gauge  | Length  |
|--------|---------|
| 14 AWG | 240 ft. |
| 16 AWG | 150 ft. |
| 18 AWG | 100 ft. |

Maximum Power Cable Length (to guarantee characteristics)

