Sonesse® ULTRA 50 RS485 Star Head Motors

506A2 1002566

5 YEARS WARRANTY

Somfy **DESIGNED FOR SILENCE**

Somfy Digital Network RS485

A new generation of intelligent motors that are controlled and monitored via Somfy Digital Network™ (SDN) solutions and animeo® IP total solar management system.
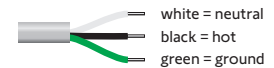
Technical Features

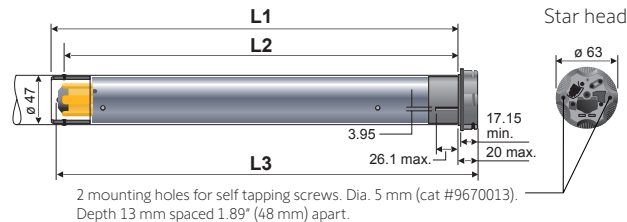|	
Voltage Supply	120V AC, 60Hz
Index Protection Rating	IP 31 (interior and exterior use)
Limit Switch Type	Electronic
Limit Switch Capacity	300 Turns
Temperature Working Range	32°F to 140°F (0°C to 60°C) (interior use only)
Insulation Class	Class 1 for 120V AC
Wiring	Parallel wiring allowed in accordance with NEC and local electrical codes.

Certifications

c **UL** US

Type of power cable

RTS 120V AC / 60Hz
3-conductor SJTW cable

white = neutral
black = hot
green = ground

Dimensions

L1	33.0 in. (838 mm)
L2	32.5 in. (825 mm)
L3	33.6 in. (853 mm)
SJTW Power Cable Length	9.8 ft. (3 mm)
Data Cable (must be ordered separately)	Customizable and available in various lengths

Optional 3C cables available in varying lengths with NEMA plug, Fast Connector and open leads.

Star head

ø 63

ø 47

17.15 min.
20 max.
3.95
26.1 max.

2 mounting holes for self tapping screws. Dia. 5 mm (cat #9670013). Depth 13 mm spaced 1.89" (48 mm) apart.

Specifications

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

≤ 38 dBA   ≤ 47 dBA   ≤ 55 dBA

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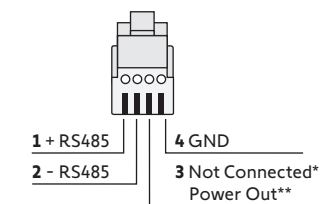According to standards ISO 3741 NF 31022 in dBA ref 1pW at nominal torque without end product.

Fabrication recommendations:
- Operational noise level is reduced when motor, tube, and 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) > 47 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. This drive stop screw must be tightened with a torque ranging between 1.5Nm and 1.8Nm.
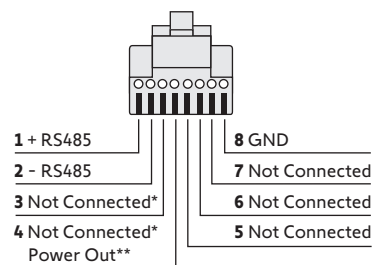- Somfy Soft Clip Drive Wheel Adaptors (brown in color) are not recommended.

Data Cable: RJ9/RJ45 (sold separately)

RJ9 connects to motor

1 + RS485	**4** GND
2 - RS485	**3** Not Connected* Power Out**

*Data cable (black) for animeo IP networks
**Data cable (grey) for powering external modules

RJ45 connects to network

1 + RS485	**8** GND
2 - RS485	**7** Not Connected
3 Not Connected*	**6** Not Connected
4 Not Connected* Power Out**	**5** Not Connected

4 Cond. 26AWG modular cable with RJ9 on one end and RJ45 other end - (RTS, Z-Wave®, ZigBee modules)

GREY WITH POWER OUT

2.5 ft. long	#9018545
8 ft. long	#9018546
12 ft. long	#9018547
24 ft. long	#9018548

4 Cond. 26AWG modular cable with RJ9 on one end and RJ45 other end - (SDN - animeo IP)

BLACK WITH POWER OUT

2.5 ft. long	#9018541
8 ft. long	#9018542
12 ft. long	#9018543
24 ft. long	#9018544

POLAR SHADES® sun control

POWERED by somfy®