Sonesse® 50 PA & PS

(Progressive Limit Adjustment)

506S2PA 1001801 **506S2PS** 1001800
510S2PA 1002323 **510S2PS** 1002324

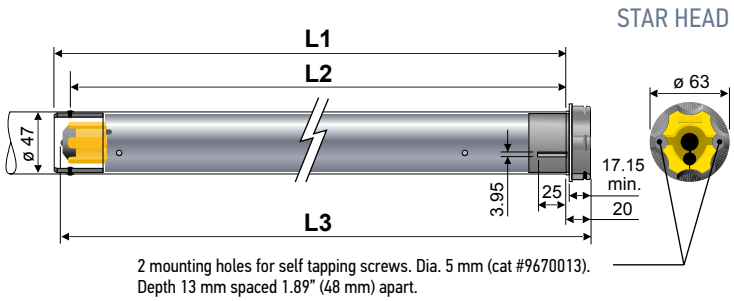
Somfy DESIGNED FOR SILENCE

Offers control via power switching

Technical Features

Voltage Supply	120V AC, 60Hz
Index Protection Rating	506/510: IP44 (exterior use)
Limit Switch Type	Progressive Adjustment PA
Limit Switch Capacity	29 Turns
Temperature Working Range	506/510: -4°F to 140°F (-20°C to 60°C) exterior use
Insulation Class	Class 1 for 120V AC
Wiring	Do not parallel wire.

Dimensions



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

Dimensions	506S2PA	506S2PS**	510S2PA	510S2PS**
L1	23.74 in. (603 mm)	23.74 in. (603 mm)	23.74 in. (603 mm)	23.74 in. (603 mm)
L2	23.23 in. (590 mm)	23.23 in. (590 mm)	23.23 in. (590 mm)	23.23 in. (590 mm)
L3	24.25 in. (616 mm)	24.25 in. (616 mm)	24.25 in. (616 mm)	24.25 in. (616 mm)
Cable Length	5 in. (.12 m)	5 in. (.12 m)	5 in. (.12 m)	5 in. (.12 m)

Specifications

	506S2PA	506S2PS**	510S2PA	510S2PS**
Torque	6 Nm	6 Nm	10 Nm	10 Nm
Nominal Voltage	120V / 60Hz	120V / 60Hz	120V / 60Hz	120V / 60Hz
Rated Current	1.2A	1.2A	1.67A	1.67A
Speed	32 rpm	32 rpm	32 rpm	32 rpm
Thermal Protection	4 minutes	4 minutes	4 minutes	4 minutes
*Sound Level	≤ 45 dBA	≤ 45 dBA	≤ 47.2 dBA	≤ 47.2 dBA



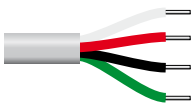
*** Sound Level:** According to standards ISO 3741 NF 31022 in dBA ref 1pW at nominal torque without end product.

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 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 1.5Nm and 1.8Nm.
- Somfy Soft Clip Drive Wheel Adaptors (brown in color) are not recommended.

Type of power cable PA

Wired
120V AC / 60Hz
4 conductor cable

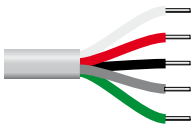


white = neutral
red = direction 1
black = direction 2
green = ground

Type of power cable PS

**Progressive Limit Adjustment with external power switching capability when limit is reached.

Wired
120V AC / 60Hz
5 conductor cable



white = neutral
red = direction 1
black = direction 2
grey = power switching
green = ground

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