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)

Insulation Class
Class 1 for 120V AC

Wiring
Do not parallel wire.

Specifications

Dimensions

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>506S2PA</th>
<th>506S2PS**</th>
<th>510S2PA</th>
<th>510S2PS**</th>
</tr>
</thead>
<tbody>
<tr>
<td>L1</td>
<td>23.74 in. (603 mm)</td>
<td>23.74 in. (603 mm)</td>
<td>23.74 in. (603 mm)</td>
<td>23.74 in. (603 mm)</td>
</tr>
<tr>
<td>L2</td>
<td>23.23 in. (590 mm)</td>
<td>23.23 in. (590 mm)</td>
<td>23.23 in. (590 mm)</td>
<td>23.23 in. (590 mm)</td>
</tr>
<tr>
<td>L3</td>
<td>24.25 in. (616 mm)</td>
<td>24.25 in. (616 mm)</td>
<td>24.25 in. (616 mm)</td>
<td>24.25 in. (616 mm)</td>
</tr>
<tr>
<td>Cable Length</td>
<td>5 in. (.12 m)</td>
<td>5 in. (.12 m)</td>
<td>5 in. (.12 m)</td>
<td>5 in. (.12 m)</td>
</tr>
</tbody>
</table>

Type of power cable PA

White = neutral
Red = direction 1
Black = direction 2
Green = ground

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

Type of power cable PS

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

Wired
120V AC / 60Hz
4 conductor cable

White = neutral
Red = direction 1
Black = direction 2
Green = power switching
Grey = ground