Sonesse® ULTRA 50 DC RS485
Square Head Motor

Technical Features

Voltage Supply: 24V DC
Index Protection Rating: IP 20 (interior use)
Limit Switch Type: Electronic
Limit Switch Capacity: 38 Turns
Temperature Working Range: 32°F to 140°F (0°C to 60°C) (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.

Specifications

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

Pigtail: Data and Power (included with every motor. Also available separately, power and data pigtail (#9020004) or 5 position motor connector (#9020743) only.)

<table>
<thead>
<tr>
<th>Torque</th>
<th>4 Nm</th>
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<tbody>
<tr>
<td>* Minimum Torque</td>
<td>0.4 Nm</td>
</tr>
<tr>
<td>Nominal Voltage</td>
<td>24V DC</td>
</tr>
<tr>
<td>Rated Current</td>
<td>1.5A</td>
</tr>
<tr>
<td>Speed</td>
<td>Adjustable: 10-25 rpm (default: 25)</td>
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<tr>
<td>Thermal Protection</td>
<td>5 minutes</td>
</tr>
<tr>
<td>**Sound Level</td>
<td>≤ 38 dBA</td>
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</tbody>
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