Sonesse® 30 RS485

Technical features

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Temperature Working Range

32°F to 140°F (0°C to 60°C)

Insulation Class

Class III

NOTE: Power/Control motor cables are included with motor.
Does not include Limit Setting Tool # 9014599 or
Dry Contact Closure (DCT) Cable # 9014793 required for setting limits.

Dimensions - in. (mm)

- Ø31 in.
- 16 in. (408)
- .35 in. (9)
- Ø1.23 in. (44)
- 1.13 in. (29)

Minimum window width bracket to bracket for roller shades (inches):

- Acmeda 44mm tube and hardware: 18 5/8"
- RollEase® 1.5” tube w/ Skyline Hardware: 19 5/8"
- RollEase® 1.5” tube w/ R8 Hardware: 18 1/2"

Performances

| Voltage* | 24VDC |
| Motor power connector | 2 pin JST, 2mm pitch |
| Motor RS485 connector | 3 pin JST, 2mm pitch |
| Motor DCT connector | 4 pin JST, 2mm pitch |
| Nominal load starting current * | 1.8A for max. 300ms |
| Nominal load current * | .8A |
| Maximum current during programming * | 3.2A for 300ms. |
| Torque | 17.7 in. lbs. (2Nm) |
| Speed | 6–28 rpm (programmable) |
| Thermal protection | 2.5 minutes |
| Minimum inside diameter of tube | 1.22 in. (31mm) |
| **Sound level | 44 dBA |

* Regulated power supply required

**Sound Level:

Sound level measured at 3 feet from end product at maximum torque.

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) > 31mm must be respected.
- A motor crown adapter between motor and end product tube is required to ensure concentric operation of motor.
- ST30 Series Drive Stop and Screw (included with crown and drive), are recommended to prevent noise and drive wheel separation from motor shaft.

Included Cables

24V DC POWER CABLE
- 2 Conductor
- 7.5’ Length
- stripe = positive
- white = negative

RS485 COMMUNICATION CABLE
- 3 Conductor
- 7.5’ Length
- red = RS485 A
- black = RS485 B
- green = 8us power GND
- white = N/A cut off