Sonesse® 30 RS485

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#1000658

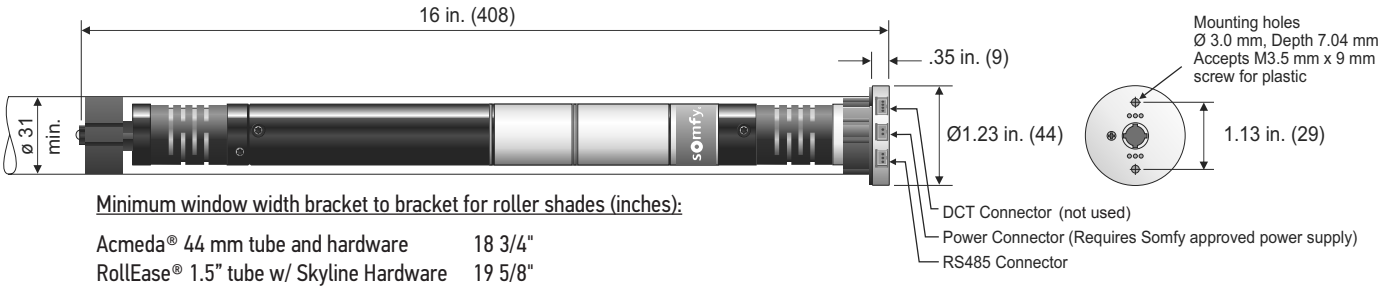
Somfy Digital Network (SDN), is Somfy's proprietary digital communication backbone compatible with industry standard RS485

Technical Features

Voltage Supply	24V DC
Index Protection Rating	IP 30
Limit Switch Type	Digital
Limit Switch Capacity	35 Turns
Temperature Working Range	32°F to 140°F (0°C to 60°C)
Insulation Class	Class III

Optional Pigtail:
Sonesse 30 DC RS485 Cable Data and Power Pigtail #9020261 for Power Panel installations is not included with motor.
RS485 Limit Setting Tool and address reader #9017142 is required for setting limits. (sold separately)

Dimensions



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

Acmeda® 44 mm tube and hardware	18 3/4"
RollEase® 1.5" tube w/ Skyline Hardware	19 5/8"
RollEase® 1.5" tube w/ R8 Hardware	18 1/2"

Specifications

Voltage	24V DC
Motor power connector	2 pin JST, 2 mm pitch
Motor RS485 connector	3 pin JST, 2.54 mm pitch
Motor DCT connector (not used)	4 pin JST, 2 mm pitch
Nominal load starting current	1.8A for max. 300 ms
Nominal load current	.8A
Maximum current during programming	3.2A for 300 ms.
Torque	2 Nm
Speed	Adjustable: 6-28 rpm (default: 28)
Thermal protection	2.5 minutes
Minimum inside diameter of tube	1.22 in. (31 mm)
Sound Level*	44 dBA

***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.
- Limit setting to be set with Limit Setting Tool #9017142
- Free play must be minimized between the accessories and the end product tube to ensure quiet performance of the motor.
- Interior Tube Diameter (ID) > 31 mm must be respected.
- A motor crown adaptor 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.

Type of power and data cables (included)

24V DC POWER CABLE #9014794

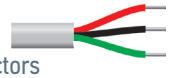
2-Conductor
7.5' Length
24 AWG Conductors



stripe - positive
white - negative

RS485 COMMUNICATION CABLE #9019190

3-Conductor
7.5' Length
24 AWG Conductors



red = SDN RS485 (+)
black = SDN RS485 (-)
green = Bus power GND

Maximum Power Cable Length (to guarantee characteristics)

GAUGE	LENGTH
14 AWG	240 ft.
16 AWG	150 ft.
18 AWG	100 ft.

Optional Pigtail: Sonesse 30 DC RS485 Cable Data and Power Pigtail #9020261 (not included with motor)

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