

**Sonesse® 30 RS485**

#1000658

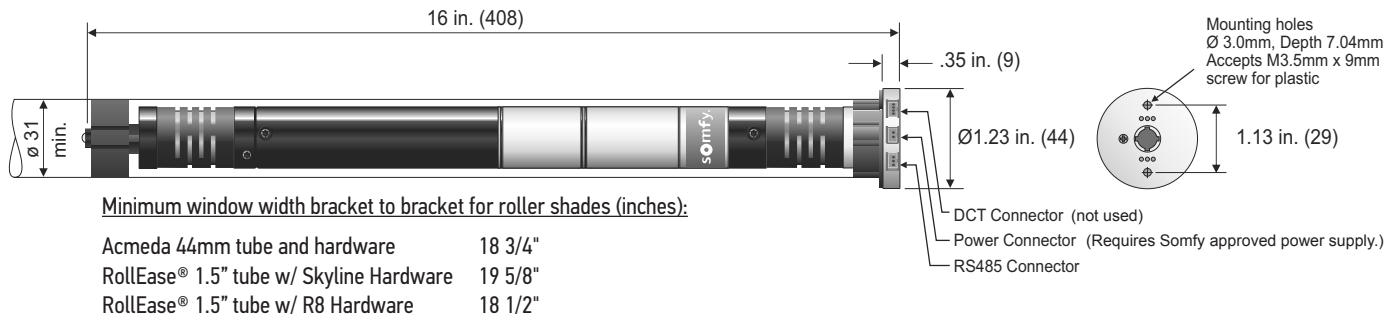


Somfy Digital Network (SDN), is Somfy's proprietary digital communication backbone compatible with industry standard RS485

**Technical Features**

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

**Dimensions**



**Specifications**

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

**\*\*Sound level:**

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

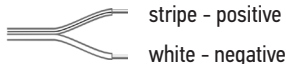
**Fabrication recommendations:**

- 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) > 31mm 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 Conductor



**RS485 COMMUNICATION CABLE #9019190**

3 conductor  
7.5' Length  
24 AWG Conductor



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).

