Sonesse® 30 RS485

Technical features

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

**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)

16 in. (408)

.35 in. (9)

ø 31 min.

Ø1.23 in. (44)

Mounting holes
Ø 3.0mm, Depth 7.04mm
Accepts M3.5mm x 9mm
screw for plastic

1.13 in. (29)

DCT Connector
Power Connector
RS485 Connector
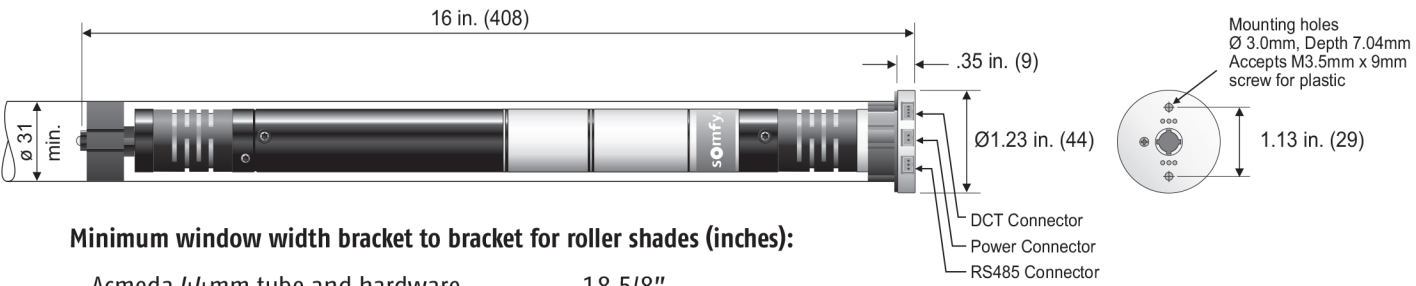
Minimum window width bracket to bracket for roller shades (inches):

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

	SONESSE® 30 RS485
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

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 = Bus power GND
white = N/A cut off

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