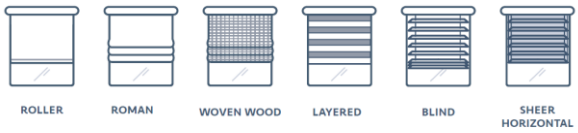
Sonesse 40 RS485 - Range 2
TECHNICAL DATASHEET

DOC148888		
TDST Sonesse 40 RS485 - Range 2		
Based on DOC161449		
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Application scope





Main functionalities

- AC powered motor
- Quiet operation (Sonesse level)
- Up to 9Nm nominal torque
- Suitable for tube diameter 40mm or more
- Open and bi-directionnal protocol on RS485 bus
- Venetians managed with 2 dimensions

Technical features

Nominal voltage / Frequency	120V - 60Hz
Power supply tolerance	108 - 132V
Cable *(section/nb wires/length)*	SVT 2 wires - AWG 18 : 0,824 mm²
Index protection rating	IP 31 - For indoor use only
Type of limit switch unit (LSU)	Electronic
Capacity of the LSU	250 turns
Minimum distance between limits	1 turn
Capacity of memory	Not Applicable
Related interface drawings	Crown GEO113303 Drive Wheel GEO134616 Motor Head GEO180244 Global view GEO200072

Removable cable	No
Data cable	Pigtail 30cm with RJ45 Male plug + RJ45 female / Female connector
Temperature working range	0°C - 60°C
restriction from 0°C to 10°C	15% of lifetime maximum
restriction from 35°C to 60°C	35% of lifetime maximum
Temperature storage range	-20°C to 75°C
Insulation class	Class II
Firmware update	Through SDN Config Tool

Specifications

Performance

Repeatability *(on output shaft)*	+/- 4°
Lifetime	320 000 axis shaft revolutions *(eq. to 10 000 cycles on a test bench, 2m high)*
Operating time	T_{on} = 40 sec - T_{off} = 1min
Wheel unclipping force	~ 7 Kg

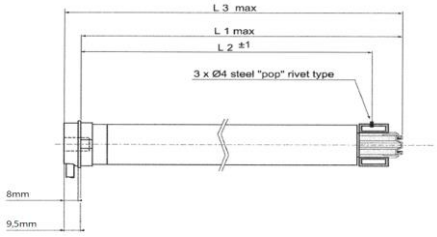
Certifications

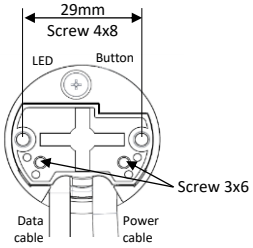
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Range

Unit	N.m	N.m	N.m	rpm	mm	mm	mm	mm	W	W	-	Kg	dB(A) re 1pW
Designation	**Nominal Torque**	**Minimum Torque**	**Stall Torque**	**Nominal Speed**	**L1**	**L2 ±1**	**L3 max**	**Tube**	**Rated current (at NT)**	**Stand by Consumption**	**Brake type**	**Weight**	**Noise***
404S2 Sonesse RS485 4/36	4	0,3	12	36	504	483	514	445	0,95	<0,5W	Spring	1,25	42
406A2 Sonesse RS485 6/24	6	0,3	16	24	535	514	545	476	0,95	<0,5W	Spring	1,30	44
409R2 Sonesse RS485 9/14	9	0,3	24	14	535	514	545	476	0,95	<0,5W	Spring	1,40	40

* according to standards ISO3741. Worst typical value at nominal torque Between Up and Down direction at nominal torque on test bench. Room temperature (25°C)

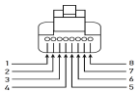




WIRING	Neutral	White
	Live	Black



Ø free >37mm mini



1	+ RS485
2	- RS485
3	Not connected
4	Power Out 8V - 50mA
5	Not connected
6	Not connected
7	Not connected
8	Ground

Limitations

For interior use only.
Maximum applicative tube diameter = 2,5"
Min torque = 0,3Nm. At any time between End Limits (To avoid jumping and risk of noise linked to integrated motor plates)
Maximum Radial effort on the head = 25kg
Use a junction box for connection