



SONESSE 50 RS485 Range 6 SASO -TECHNICAL DATASHEET TDST

DOC119042

003

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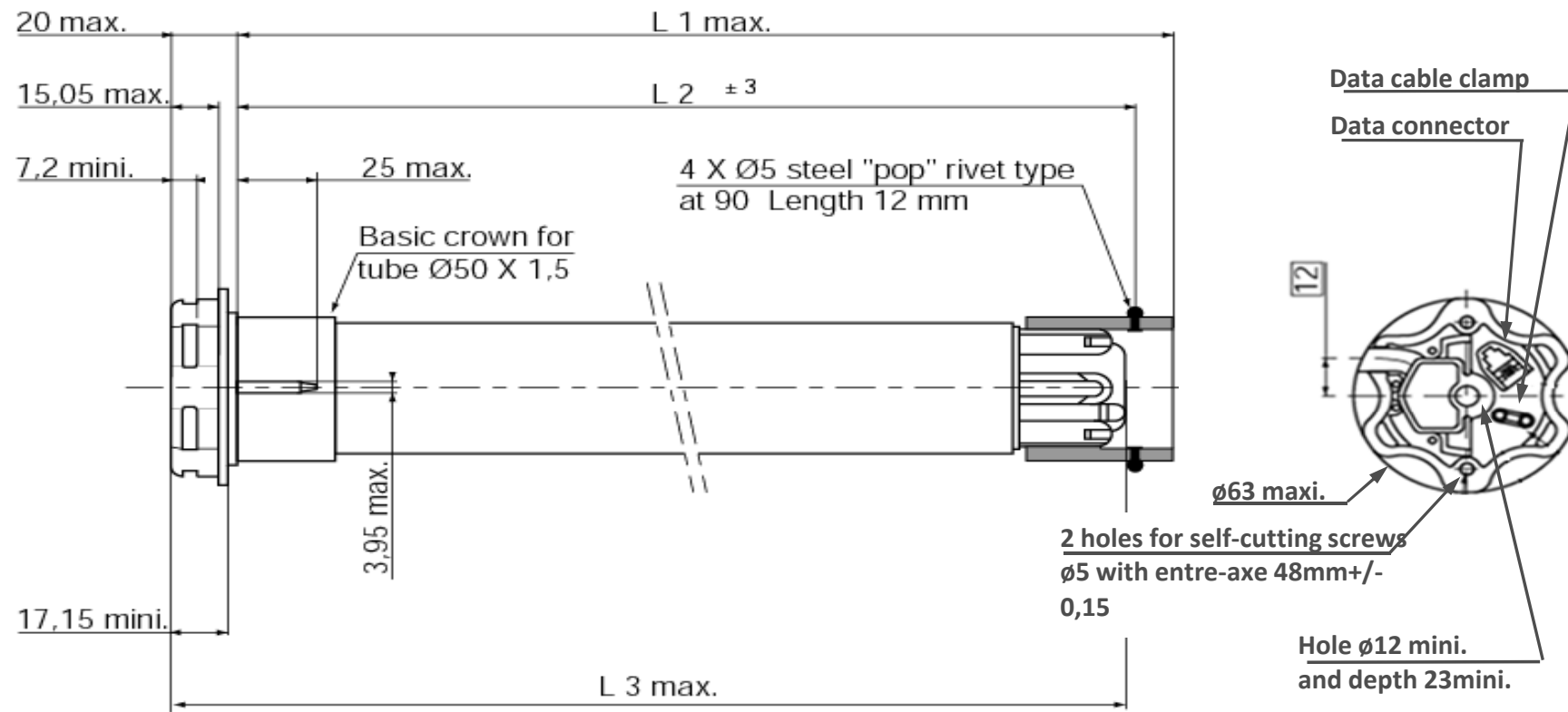
Nominal voltage	220V - 60 Hz
Power supply tolerances	190-235V
Operating time	2,25 minutes
Number of wires of the cable	3
Wire section	AWG 18
Insulation Class	Class I
Type of limit switch unit	Electronic
Capacity of the LSU	300 turns
Repeatability	< ±5°
System of protection	IP44
Interface drawings	206821 : Wheel Interface LT50 206822 : Crown Interface LT50 206810 : Screw Implantation for LT50 mounting 206823 : Star Head LT50, LT50 PA/PS
Basic crown for tube Ø	50 x 1,5 mm
Data Cable Connectors and pin-out	Motor side :flat 4-points, RJ9 type, male plug./ Bus side : flat 4-points, RJ9 type, male plug or flat 8-points, RJ45 type, male plug / pin-out wiring : see below
Max Data wiring Lenght : SDN Bus	The maximum length of the Bus is 800 meters
Max Data wiring Lenght: Stubs	The maximum length of a stub is 20 meters with twisted pair cable (10 m meters with straight pair cable).
Electromagnetic Compatibility	EN 55014 -1
Environement scope	Interior Use
Temperature working range	-20°C to +60°C
Noise Level	Power Level: according to standards ISO 3741 NF 31022 in dB(A) ref 1pW, max value* at nominal torque (measurement between 20°C to 35°C) *Max value = Upper limit of the 95% confidence interval on the average value (based on 5 samples).
Integration recommandations	<ul style="list-style-type: none"> * The noise level depends upon the right fit between customers tubes and accessories, especially the crowns and the wheels. * Free plays have to be minimized between the accessories and the application tube to ensure the performance of the actuator. * Interior tube diameter must be > 47 mm - compatible with LT50 range crowns and wheels - * Crown as an interface with tubes is compulsory to ensure the performance of the actuator. * If used, the stop wheel (ref : 9910004) must be screwed with a torque ranging between 1.5Nm and 1.8Nm. * Drive wheel must be riveted to the tube. * It's recommended to use the specific collapsable idler end cap (ref : 9013592 or ref : 9013593) for silent result (do not use LT50 idler end caps). * Somfy Soft Clip wheels are forbidden for this application.

Designation	Nm Nominal torque	Nm Minimal Torque*	rpm Nominal speed	mm L1 max.	mm L2 (±3 mm)	mm L3 max.	mm tube	W Rated power	A Rated current	kg Weight	dB(A) PW Noise	Stop wheel
505S6 Sonesse 50 RS485 5/32 SASO	5	0,4	32	653	640	666	590	130	0,6	2,27	46	optional
510S6 Sonesse 50 RS485 10/32 SASO	10	0,4	32	673	660	686	610	179	0,8	3,16	47	optional

*: Jumping effect prevention

Power wiring

Neutral	Blue
Live	Brown
Earth	Green/yellow



R & D	QUALITY	AUTHOR
E. GRUZ	P. MICHEL	J. THIEBAUT
A. MILLET		

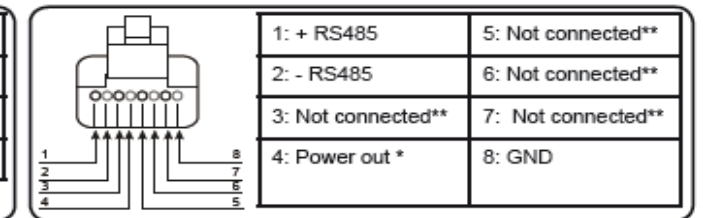
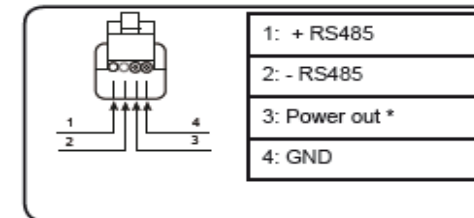
Data wiring

1) data cable RJ9/RJ45 straight pair cables

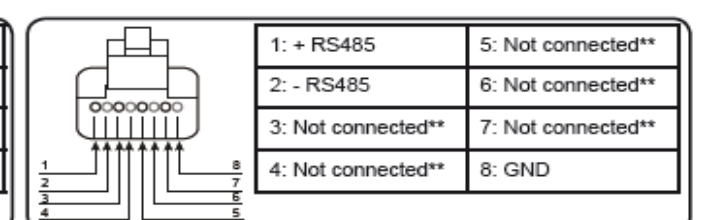
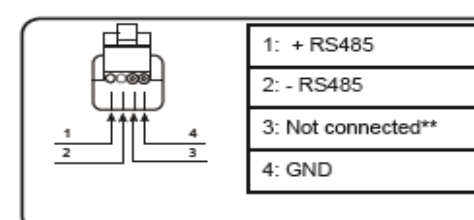
RJ9

RJ45

With Power out



Without Power out



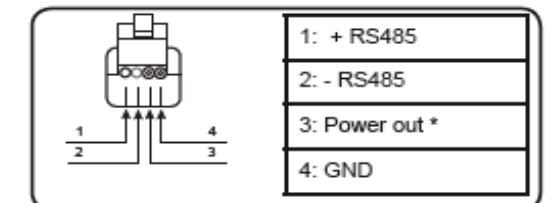
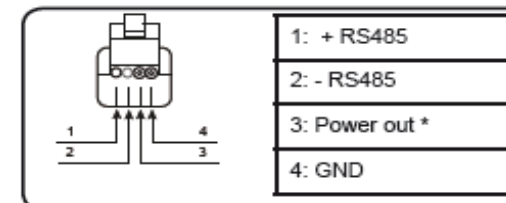
* Power out specification: 7,5V / 30mA max

** If connected, the motor can be damaged

2) data cable RJ9/RJ9 straight pair cables

RJ9

RJ9



* Power out specification : 7.5V /30 mA max