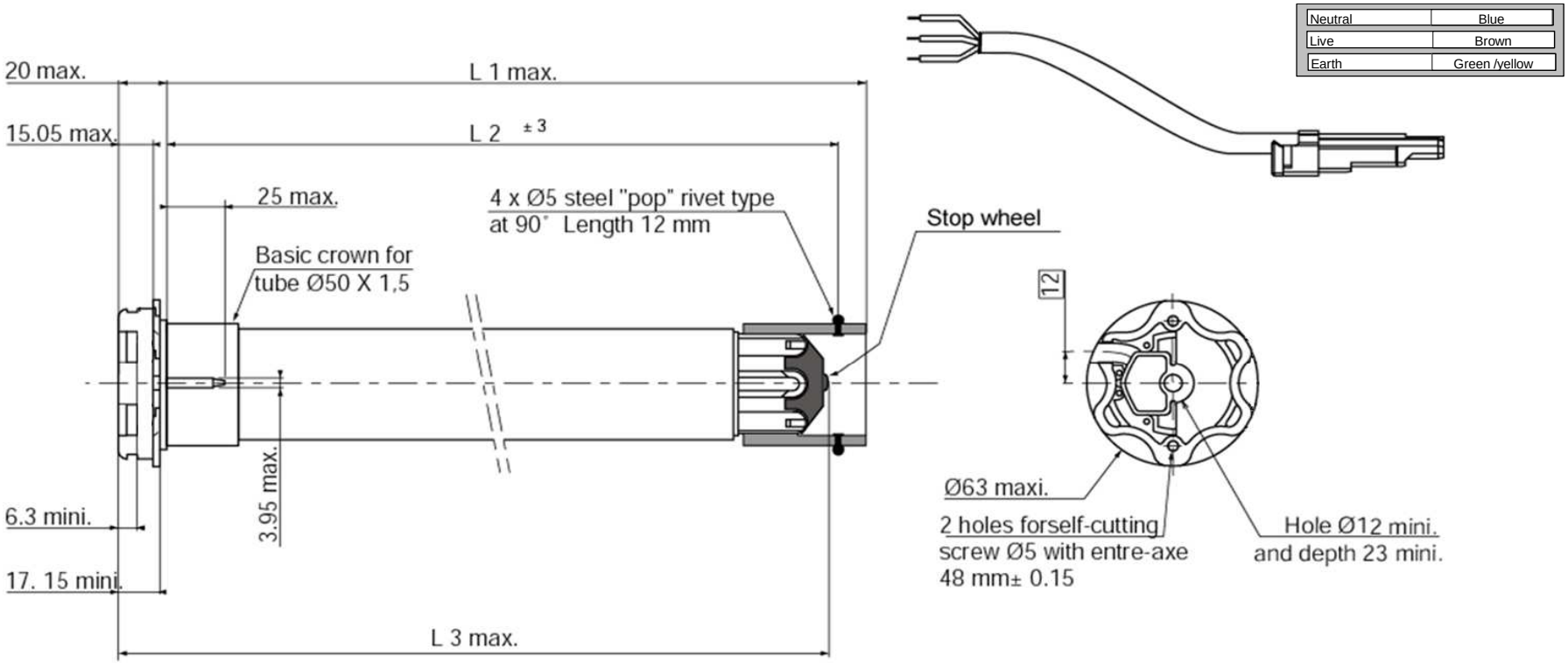
SONESSE 50 RTS 447MHz Range 6 -TECHNICAL DATASHEET TDST

Nominal voltage	220V - 60Hz
Power supply tolerances	190 - 235V
Operating time	5 minutes
Number of wires of the cable	3
Wire section	AWG 18
Insulation Class	Class I
Type of limit switch unit	Electronic Limit switch unit
Capacity of the LSU	250 turns
Repeatability	see chart below
System of protection (IP)	see chart below
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
Electromagnetic Compatibility	EN 55014 -1 EN 55014 -2
Radio Frequency	447,7MHz
Coding	Rolling code 16 million of possibilities
Memory capacity	12 different transmitters+ 3wireless sensors
Antenna	Integrated antenna
Radio range	20m with 2 reinforced concrete walls to be passed through
Environment scope	Interior applications Use
Temperature working range	see chart below
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	* 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.

	Nm	Nm	rpm	mm	mm	mm	mm	W	A	kg	Ipxx	° angle	°C	dBA PW	
Designation	**Nominal torque**	**Minimal torque***	**Nominal speed**	**L1 max.**	**L2** (±3 mm)	**L3 max.**	**tube**	**Rated power**	**Rated current**	**Weight**	**Protection**	**Accuracy**	**Working Temperature range**	**Noise**	**Stop wheel**
503S6 Sonesse 50 RTS 447 3/32	**3**	**0,4**	**32**	783	770	796	720	90	0,4	2,87	IP31	< ±5°	0°C to +60°C	43	Compulsory
505S6 Sonesse 50 RTS 447 5/32	**5**	**0,4**	**32**	653	640	666	590	130	0,6	2,15	IP44	< ±5°	-20°C to +60°C	46	optional
510S6 Sonesse 50 RTS 447 10/32	**10**	**0,4**	**32**	673	660	686	610	179	0,8	2,65	IP44	< ±5°	-20°C to +60°C	47	optional

* jumping effect prevention



R & D	QUALITY	AUTHOR
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