



SONESSE 50 PA Range 1 - TECHNICAL DATASHEET TDST

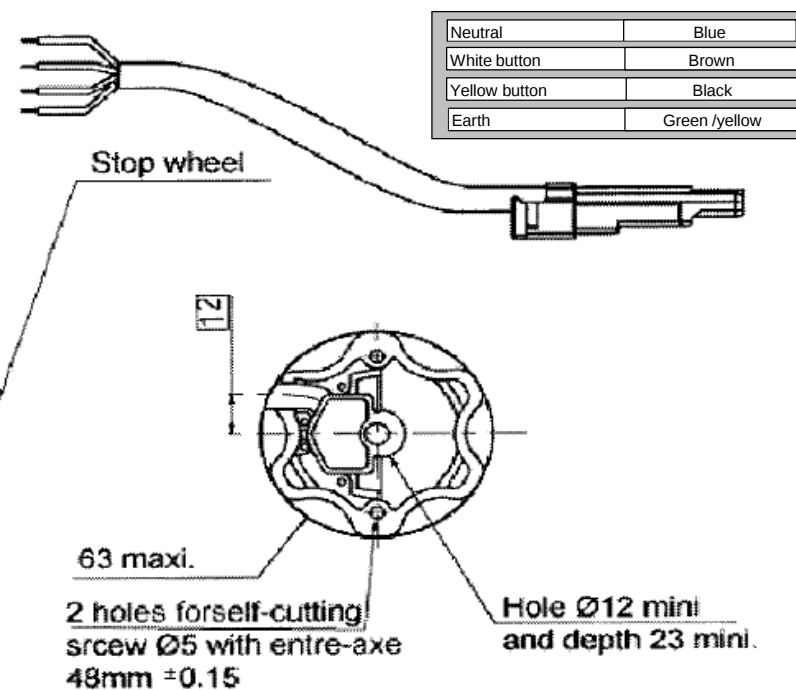
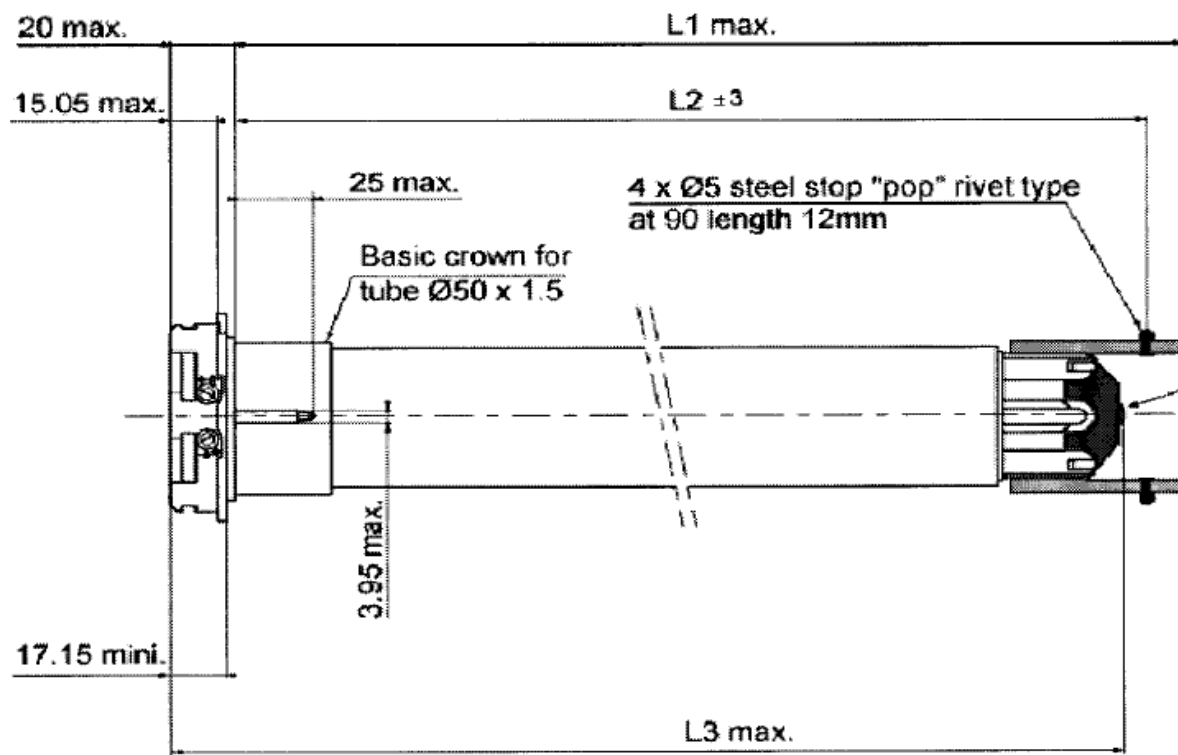
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Nominal voltage	230V - 50Hz
Power supply tolerances	207 -253 V
Thermal time	4 minutes
Number of wires of the cable	4
Wire section	AWG 18
Insulation Class	Class I
Type of limit switch unit	Progressive Adjustment Limit switch
Capacity of the LSU	29 turns
Accuracy	< ±8°
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
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 recommendations	* 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	lpxx	°C	dBA PW	
Designation	Nominal torque	Minimal Torque*	Nominal speed	L1 max.	L2 (±3 mm)	L3 max.	tube	Rated power	Rated current	Weight	Protection	Working Temperature range	Noise	Stop wheel
Sonesse 50 PA 3/28	3	0,4	28	712	701	726	650	90	0,4	2,52	IP31	0°C to +60°C	44	compulsory
Sonesse 50 PA 6/28	6	0,4	28	603	590	616	540	146	0,75	2,05	IP44	-20°C to +60°C	45,4	optional
Sonesse 50 PA 10/28	10	0,4	28	603	590	616	540	180	0,8	3,15	IP44	-20°C to +60°C	45,3	optional



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