



## SONESSE 30 RTS 433 TECHNICAL DATA

TS - FPTE

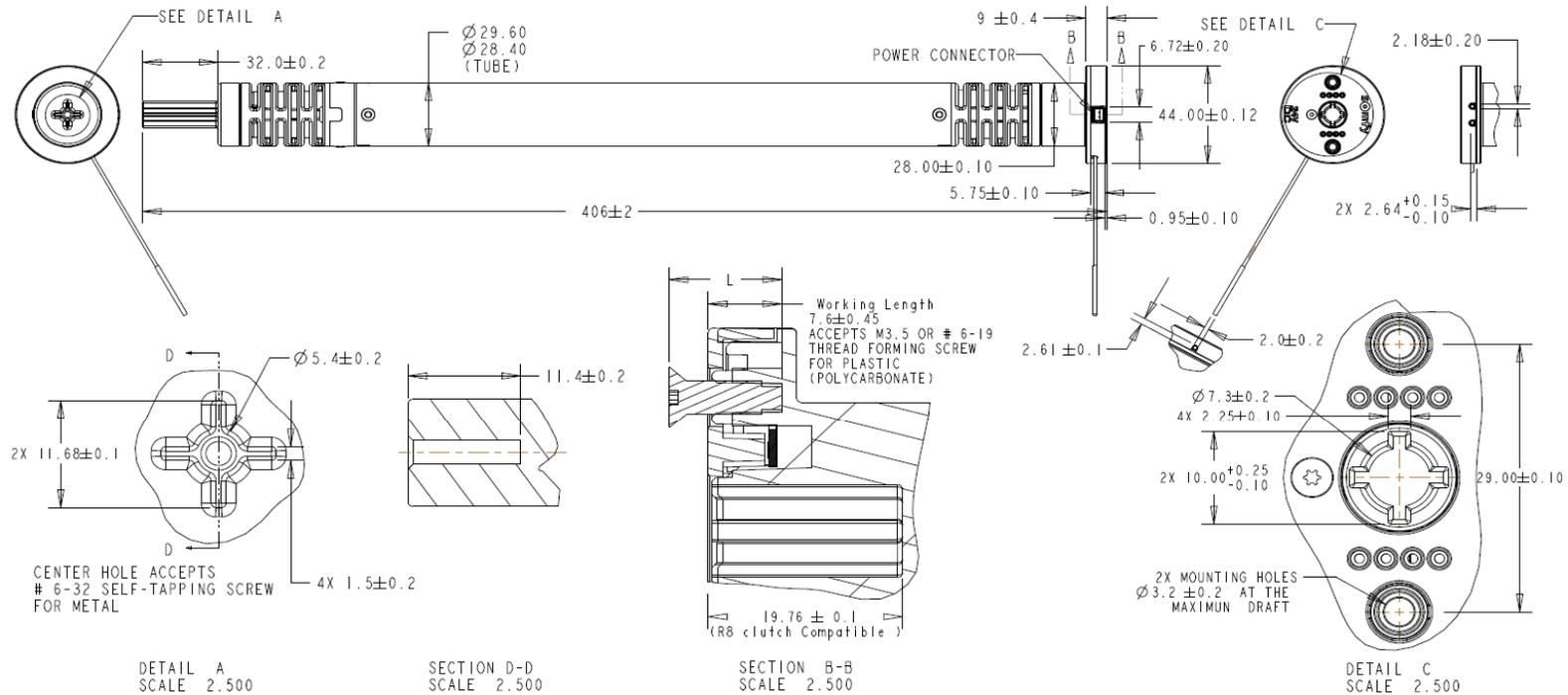
Sonesse 30 RTS 433 X01

4-Nov-09 Page 1/2

Nominal voltage (VDC)	24 (Regulated)
Power supply tolerances (VDC)	20 to 28
Thermal protection	2.5 minutes (software management)
Motor power cable wires	2 conductors
Motor power cable section (mm <sup>2</sup> )	0.2 (or AWG 24)
Motor power connector	JST - 2 pins, 2mm pitch
Motor power cable length (maximum)	2.5 meters
End Limit Adjustment	Using RF transmitter (controller)
Capacity of Limit Switch Unit	35 turns each directional rotation at maximum speed
Repeatability End limits	+/- 5 degree
Insulation class	III
Control	Radio Technology Somfy (RTS)
Radio frequency	433.42 MHz
Capacity of memory	12 Transmitters and 3 SUN sensors.
Coding	Rolling code 16 million possibilities (RTS protocol)
Antenna	Wire 13cm going out of the head (length is critical and must not be modified to ensure motor performance)
Range	20 meters through 2 reinforced concrete walls
Service stress	Antenna out of metallic shield
Motor Tube Interfaces	See Somfy catalogue
Electromagnetic compatibility	CEI 1000-4-2                    8kV
	CEI 1000-4-3                    10V/m
	CEI 1000-4-4                    4kV
	CEI 1000-4-5                    3kV
	CEI 1000-4-6                    3V/m
	CEI 1000-4-8                    3A/m
Standard	FCC Part 15
Radio	EN 300-220-3
	EN55014, EN 55022
Safety	EN 60335-1 & 2
	EN 50366
Intrusion Protection (IP)	30
Operating Temperature (Inside end product)	0°C to +6.0°C (32°F to 140°F)
Storage Temperature (Warehouse, Shipping,...)	-30°C to 80°C (-22°F to 176°F)
Noise Level	According to SOMFY measurements (Pressure level measured at 1m from the end product).

Note: All data measured at Room Temperature (25C / 77F) and Nominal Voltage (24 VDC)

Designation	Nominal Torque (Nm)	Regulated Speed at Nominal Torque (rpm) +/-2 rpm	Stall torque (Nm)	Minimum Tube Inside Diameter (mm)	Current at nominal torque (A)	Max Start Current at nominal torque - user mode (A)	Max Current at Nominal torque - programming mode (A)	Current at stall torque (A)	Minimum Input power per motor (A)	Weight of motor without cables (Kg)	Noise (dBA)
<b>SONESSE 30 RTS</b>	2	28	3,5	31	0,8	1,8	3,2	1,6	1,6	0,5	44
	17.7 Lb-In		31 Lb-In			(<300ms)	(<300ms)			1.1 Lb	



NOTE:  
 LENGTH "L" SHOULD BE LONG ENOUGH TO HOLD  
 BRACKET FOR DEFINE WORKING LENGTH.  
 THE SCREW HEAD TYPE SHOULD BE DETERMINED BASED  
 ON THE TYPE OF BRACKET TO BE USED

R & D	QUALITY
Name : Roger Heald	Name : Sergio Garcia
Signature	Signature
Date :	Date :