



SONESSE 30 RTS 433 TECHNICAL DATA

DOC016162

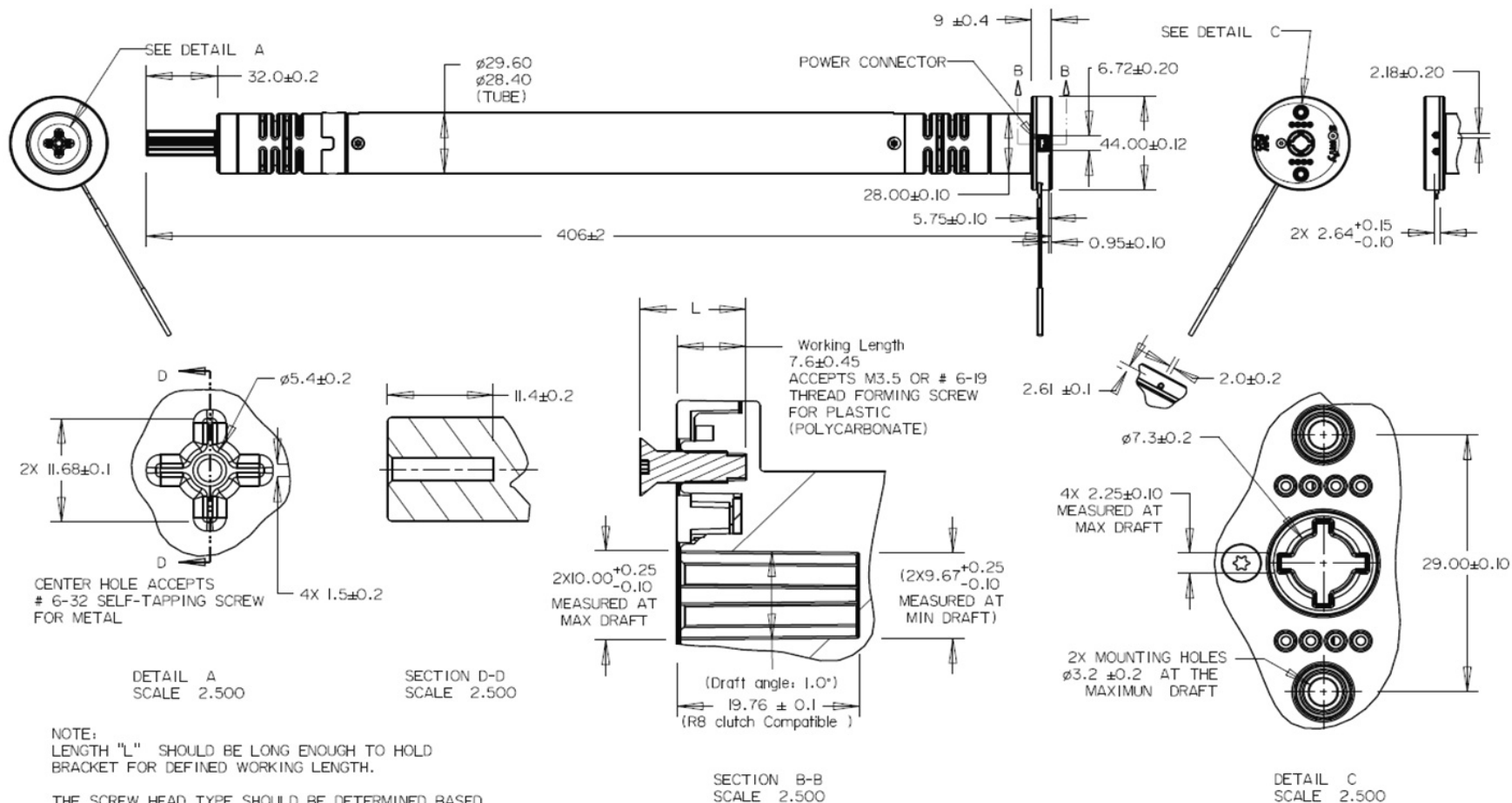
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Nominal voltage (VDC)	24 (Regulated)
Power supply tolerances (VDC)	20 to 28
Thermal protection	2.5 minutes (software management)
Motor power cable wires	2 conductors
Motor power cable section (mm ²)	0.2 (or AWG 24)
Motor power connector	JST - 2 pins, 2mm pitch
Motor power cable length provided	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). Antenna should be routed outside of metal enclosures and headrails.
Range	20 meters through 2 reinforced concrete walls
Stand by Power consumption	1W
Power consumption at nominal load	20W
Nominal Mechanical output Power	6W
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
	EN 55014-1 & 2
Country Standards	FCC Part 15
Radio	EN 300-220-3
Safety & Health compliance	EN 60335-1 & 2
Intrusion Protection (IP)	EN 50366
Intrusion Protection (IP)	30
Operating Temperature (Inside end product)	0°C to +60°C (32°F to 140°F)
Storage Temperature (Warehouse, Shipping,...)	-30°C to 80°C (-22°F to 176°F)
Noise Level	Power Level : according to standards ISO3741 in dB(A) re1pW Typical Value, at nominal torque, at 10rpm, without application/end-product

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

Designation	Nominal Torque (Nm)	Max Regulated Speed at Nominal Torque (rpm) +/- 2 rpm	min Regulated Speed at Nominal Torque (rpm) +/- 2 rpm	Stall torque (Nm)	Minimum Tube Inside Diameter (mm)	Current at nominal torque (A)	Stand by consumption (w)	Weight of motor without cables (Kg)	Noise (dBA) Power Level
SONESSE 30 RTS 433	2	28	6	3,5	31	0,95	0,67	0,5	44
	17.7 Lb-In			31 Lb-In				1.1 Lb	



R&D		Quality		Marketing	
Name	M POUVREAU	Name	JP CUGIER	Name	J. THIEBAUT