

Movelite 60 WT/DCT/RTS

Based on DOC161449

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Application scope



PINCH PLEAT



RIFFLEFOLD®



ACCORDIA®



Main functionalities

- Manual operation in case of power failure
- Automatic end limits
- Touch motion
- Adjustable end limits (not for WT)
- "My" position (not for WT)

Technical features

Power supply	100V to 240V – 50/60Hz
Power supply tolerance	90V to 255V 47 to 63Hz
Stand by power consumption	<0.5W
Insulation class	Class I
Index protection rating	IP 30
Limit switch accuracy	±10
Touch motion sensitivity (hige/low)	4 cm / 8 cm
Maximum running time in one direction	Max 2 min 30s

Power Cable	H05 VVF 3wires(4 for WT) , 0.75mm ² , 1m
Maximum Current	0.6A at 120VAC; 0.3A at 240VAC
Temperature working range	0°C - 60°C
Temperature storage range	-30°C - 80°C
DCT control	2NO or 3NO dry contact
Control connector	RJ12
Dry contact minimum closure time	150 ms

Specifications

Performance	Movelite 60
Nominal torque	1 Nm
Stall torque	1.1 rpm
Rated power	60 W
Operating time	7 min
Maximum load	60 kg
Maximum track length	10 m
Minimum track length	0.6m
Minimum bending radius	300 mm
Speed	105 rpm
Linier speed	15 cm/s
Mode option	Not applicable
Noice level (Power)	41 dBA
Noice level (Pressure)	38 dBA
Lifetime	10000 cycle on 10m track

Approvals

motor

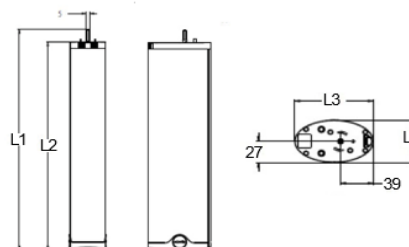


Radio (for RTS version only)

Radio protocol	RTS
Radio frequency	433MHz
Radio range	200m in free field
Antenna	Integrated

Dimensions & Weight

L1	283 mm
L2	263 mm
L3	93 mm
L4	53 mm
Weight (WT)	1120 g
Weight (DCT)	1000 g
Weight (RTS)	1100 g



Limitations

For interior use only.
Motor must be installed vertically
Movelite accessories

		Range	Movelite 35				
		Technology	DCT (EU)	WT	RTS 433	RTS 426	RTS 447
Motor mechanical characteristics	Nominal torque	Nm	0.6				
	Maximum stall torque	Nm	0.7				
	No load speed	rpm	105				
	Nominal speed	rpm	105				
	Working temperature	°C (°F)	0°C to +60°C 85%HR at 35°C (+32°F to +140°F 85%HR at 95°F)				
	Storage temperature	°C (°F)	-30°C to +80°C 85%HR at 35°C (-22°F to +176°F 85%HR at 95°F)				
	Manual operation		YES				
	Type of limit		Adjustable limits	Limits on hard stop	Adjustable limits	Adjustable limits	Adjustable limits
	Limit switch accuracy	mm	±10				
	Protection index	IP	30				
	Soft stop		No				
	Soft start		No				
	Noise level (Power) ⁽³⁾	dB(A)	40.6				
	Noise level (Pressure) ⁽³⁾	dB(A)	37.6				
	Net weight of the motor	g	1000	1120	1100	1100	1100
Electrical characteristics	Voltage range	Vac	90 to 264				
	Frequency range	Hz	47 to 63				
	Maximum Current	A	0,6 at 120VAC ; 0,3 at 240VAC				
	Stand by power	W	< 3				
	Power cable type		H05 VVF	H05 VVF	H05 VVF	H05 VVF	H05 VVF
	Power cable number of wire		3	4	3	3	3
	Power cable wire section (Ø)	mm ²	0.75				
	Control connector		RJ12	RJ12 for setup only	RJ12	RJ12	RJ12
	Control method		2 NO or 3 NO dry contact	AC switch (4)	RTS remote control/ 2 NO or 3 NO dry contact	RTS remote control/ 2 NO or 3 NO dry contact	RTS remote control/ 2 NO or 3 NO dry contact
	Dry contact minimum closure time	ms	150	N/A	150	150	150
	Voltage in control line (supplied by the motor)	V	3.3 Vdc				
	Maximum voltage drop in DCT control line	V	1	N/A	1	1	1
	Insulation class		Class I				
	Maximum running time in one direction ⁽⁵⁾		2min 30s				
	Radio Characteristics	Radio standards		N/A	EN 301 489-3	EN 301 489-3	EN 301 489-3
Radio protocol			EN 300 220-3		EN 300 220-3	EN 300 220-3	
Radio frequency		MHz	EN 60 730-1		EN 60 730-1	EN 60 730-1	
Receiver sensitivity		dBm	Somfy RTS protocol U80		Somfy RTS protocol U80	Somfy RTS protocol U80	
Modulation type			433,42 ± 0,1		426 ± 0,001	447 ± 0,001	
Radio range		m	-106		-108	-108	
Antenna			ASK type A1 (amplitude modulation)		GFSK	GFSK	
Rolling code			200 m in free field		200 m in free field	200 m in free field	
Number of RTS transmitter			Integrated		Integrated	Integrated	
			65535 codes		65535 codes	65535 codes	
		12 maximum	12 maximum	12 maximum			
Standards & Patents	Certifications		CE / CCC / SASO / KC / EAC / SCT				
	Patents		N/A				

⁽³⁾ Indicative and according to SOMFY measurement standards

⁽⁴⁾ Requires mechanical relay type of controller; for other types please contact Somfy. Maximum power cord length should be less than 50m.

⁽⁵⁾ Repeatedly operating the motor for extended periods may trigger thermal protection, which will require rest time.