

somfy.	TECHNICAL DATA SHEET IRISMO™ MOTOR	Irismo™	
		22-Apr-13	SDEV-FICA 139R1

		Irismo™ 35																	
		Range		DCT (EU)		DCT (US)		RTS (426 MHz)		RTS (EU 433 MHz)		RTS (EU 433 MHz WMI)		RTS (US 433 MHz)		RTS (447 MHz)		WT	
Technology		1002110		1002112		1002150		1002113		1002237		1002152		1002151		1002111			
Part number																			
Motor mechanical characteristics	Nominal torque	Nm																0,6	
	Maximum stall torque	Nm																0,7	
	No load speed	rpm																130 ⁽¹⁾	
	Nominal speed	rpm																95 ⁽²⁾	
	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																	Limits on hard stops - Current detection	
	Protection index	IP																30	
	Soft stop																	NO	
	Soft start																	YES	
	Noise level (Power) ⁽³⁾	dB(A)																< 51	
	Noise level (Pressure) ⁽³⁾	dB(A)																< 47	
	Net weight of the motor	g		1240		1360		1260		1260		1260		1380		1260		1280	

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Technology		1002110		1002112		1002150		1002113		1002237		1002152		1002151		1002111			
Part number																			
Electrical characteristics	Voltage range	Vac																90 to 255	
	Frequency range	Hz																47 to 63	
	Maximum Current	A																0,5 at 120VAC ; 0,28 at 240VAC	
	Power consumption	W																35	
	Stand by power	W																< 3,5	
	Power cable type			H05 VVF		SVT		H05 VVF		H05 VVF		SVT		H05 VVF					
	Power cable number of wire																	3	
	Power cable wire section (Ø)	mm ²		0,75		0,824 (18 AWG)		0,75		0,75		0,824 (18 AWG)		0,75		4			
	Control connector																	RJ12	
	Control method																	IR / 2 NO or 3 NO dry contact	
	Dry contact minimum closure time	ms																150	
	Voltage in control line (supplied by the motor)	V																5 Vdc	
	Maximum voltage drop in DCT control line	V																2,5	
	Insulation class																	Class I	
Maximum running time in one direction ⁽⁵⁾																	2min 30s		

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Technology		1002110		1002112		1002150		1002113		1002237		1002152		1002151		1002111			
Part number																			
Radio Characteristics	Radio standards																	EN 301 489-3 EN 300 220-3 EN 60 730-1	
	Radio protocol																	Somfy RTS protocol U80	
	Radio frequency	MHz		426,0625 ± 0,001		433,42 ± 0,1		447,7 ± 0,001											
	Receiver sensitivity	dBm																-103	
	Modulation type																	FSK	
	Radio range	m																200	
	Antenna																	External	
	Rolling code																	16 million codes	
Number of RTS transmitter																	12 maximum		

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Technology		1002110		1002112		1002150		1002113		1002237		1002152		1002151		1002111	
Part number																	
Standards & Patents	Certification & Marking			CCC / CE / TUV GS / C-TICK / SASO / T-MARK		cTUVus		CCC / CE / TUV GS / C-TICK / SASO / T-MARK		cTUVus		CCC / CE / TUV GS / C-TICK / SASO / T-MARK					
	Patents	Patents pending															

⁽¹⁾ Values given at for a linear speed of 15 cm/s

⁽²⁾ Maximum speed at nominal torque

⁽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 20min of rest time.