

1. Irismo™ Wirefree 45/45S RTS EU technical characteristics.

		Range	Irismo WireFree 45/45S RTS EU
		Part no	1002353, 1002354
		Technology	RTS
Motor mechanical characteristics	Nominal torque	Nm	0.8
	Maximum stall torque	Nm	0.9
	No load speed	cm/s	140 / 122.5 / 105 / 87.5 (factory default) [1]
	Nominal speed	cm/s	87.5 [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)
	Storage temperature (Battery pack) < 3 months	°C(°F)	0°C to +35°C (+32°F to +95°F)
	Storage temperature (Battery pack) > 3 months	°C(°F)	+15°C to + 25°C (+59°F to +77°F)
	Manual operation		YES
	Type of limit		Adjustable limits
	Limit Switch accuracy	mm	±10
	Protexion index	IP	30
	Soft stop		YES
	Soft start		YES
	Noise level (Power) [3]	dB(A)	45 / 43 / 41 / 39
	Noise level (Pressure) [3]	dB(A)	44 / 41 / 38 / 35
Approx. Net weight of the motor	g	883	
Electrical characteristics	Current (sleep mode)	mA	< 0.2
	Current (wakeup mode)	mA	3 to 5
	Voltage range	Vac	100 - 240
	Frequency range	Hz	50 / 60
	Maximum current	A	NA
	Stand by power	W	< 0.006
	Power adapter Current	A	1.8
	Power adapter Voltage	Vdc	30
	Battery pack capacity	mAh	2950
	Charging temperature	°C(°F)	0°C to +40°C (+32°F to +104°F)
	Charge time	Hour	4
	Power cable type		NA
	Power cable number of wire		NA
	Power cable wire section (Ø)	mm²	AC cable: 0.5, DC cable: 20 AWG
	Control connector		NA
	Control method [4]		RTS remote control
	Dry contact minimum closure time	ms	NA
	Voltage in control line	V	NA
	Maximum voltage drop in DCT control line	V	NA
Touch motion		YES (activated by default)	
Insulation class		Class I	
Maximum running time [5]		2min 30s	
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	433.42 ±0.1
	Receiver sensitivity	dBm	-103
	Modulation type		ASK type A1 (amplitude modulation)
	Radio range	m	200 m in free field
	Antenna		Integrated
	Rolling code		16 million codes
number of RTS transmitter		12 maximum	
Standards & Patents	Certifications		CE, SASO, (UL tbc)
	Patents		Patents pending

Motorized track characteristics	Average linear speed (strait)	cm/s	NA
	Weight capacity strait track for 10m long	kg	NA
	Weight capacity one bent track for 10m long	kg	NA
	Maximum weight per runner	kg	1.5
	Maximum conflict strength	N	NA
	Maximum track length	m	10
	Maximum junctions	Qty	2
	Minimum bending radius	mm	NA
	Minimum curving radius	mm	NA
	Rail color	RAL	White / Grey (RAL 9006)
	Rail material		6063-T52 AL or 6060-T64 AL
	Motor position		Right or Left / Down only
	Type of opening		Central, Lateral
	Type of curtain accomodated		Classic, Pinch Pleat, Ripple curtain
	Type of bracket		Swivel ceiling, One touch Ceiling, Ceiling fixing plate
Patents		Patents pending	
Noise level (complete track) [6]	dB(A)		