



Roller Shutter Guide
Motors and Automated
Systems

Somfy Connected Solutions

somfy®

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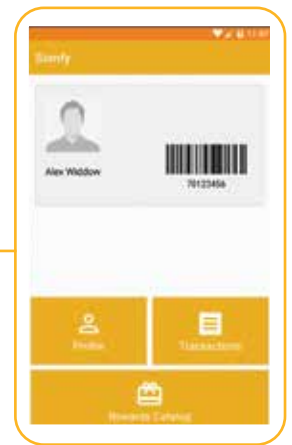
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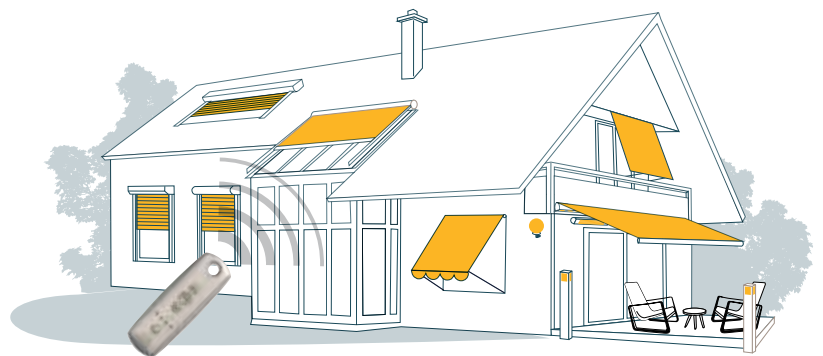
Our **loyalty program** for installers

- Join us and ask for your **Privilege card**
- Download our Loyalty program **application** on your mobile
- Collect points and Redeem your **free of charge motors!**



Grow your business by **developing** your selling and technical **skills**

- Somfy offers sales and technical training sessions to professional clients.
- Assistance at every stage.



Why attend a Somfy school?

1

To **develop your business** by learning about new Somfy solutions

2

To **save installation time** by learning more about installation techniques

3

Customized trainings to **answer all your requests** and problems

Guaranteed products

International 5-year warranty* for Somfy motors starting from the date of manufacture.

The products have undergone operational tests in the toughest climate conditions.

All motors are fully factory-tested and **comply with international quality standards.**

** 3 year warranty for gates and 2 year warranty for controls*

Standards

- Leader certified to **ISO 9001 standards.**
- International compliance with **safety standards.**
- **SASO, CI, ICE**

Our dedicated team is at your disposal at every stage:

Jeddah **T** +966 12 607 7265 | +966 12 612 0564 - Riyadh **M** +966 11 211 4969 | +966 11 201 1509

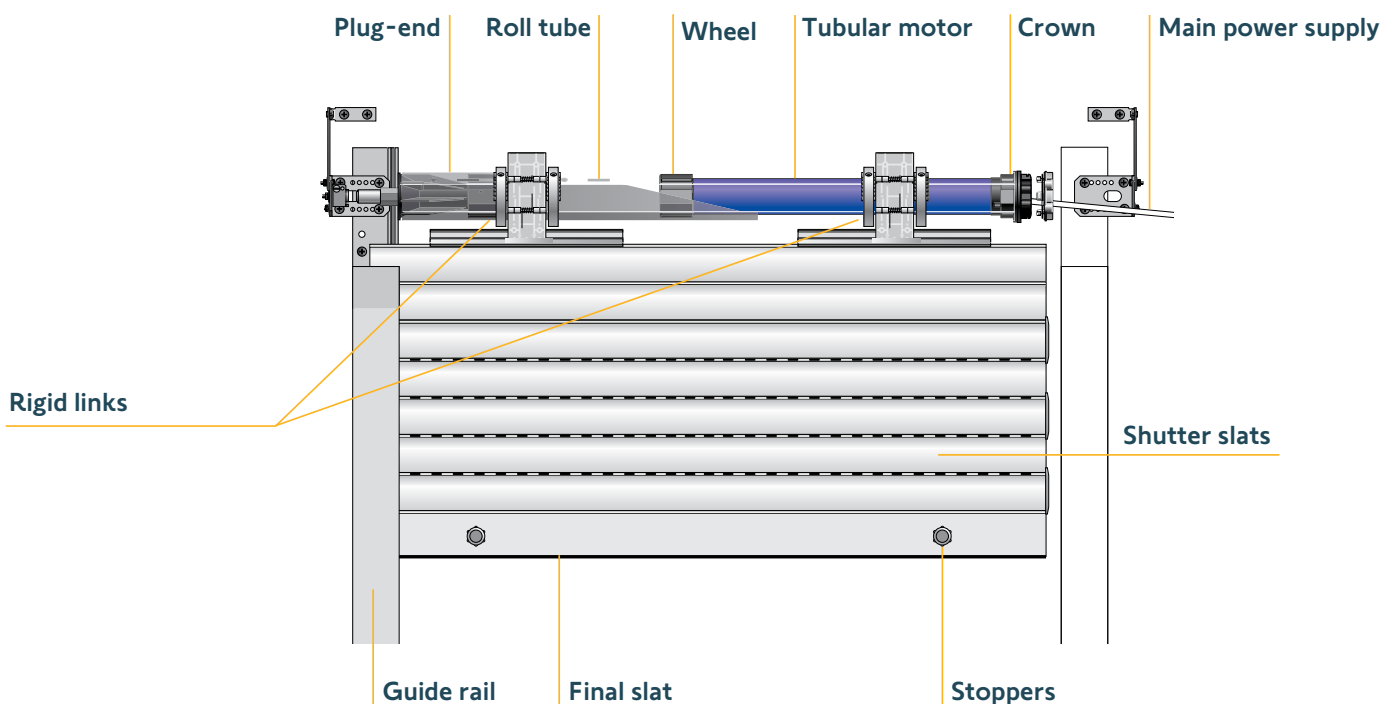
Makes all the difference!

What is a motorized roller shutter?

The tubular motor is integrated into the roll tube around which the curtain is wound. It is electrically powered.

It is operated either by:

- a wired system integrated in the wall
- a wireless wall-mounted control unit
- a remote command or an automated system (programmer, timer, temperature or sun sensor)



All roller shutters can be motorized!

Whether you're having a new house built or restoring an existing one, there is a Somfy motorisation solution to suit every type of roller shutter.



How to select the motor?

When selecting motors for roller shutters, the following 4 criteria should be examined:

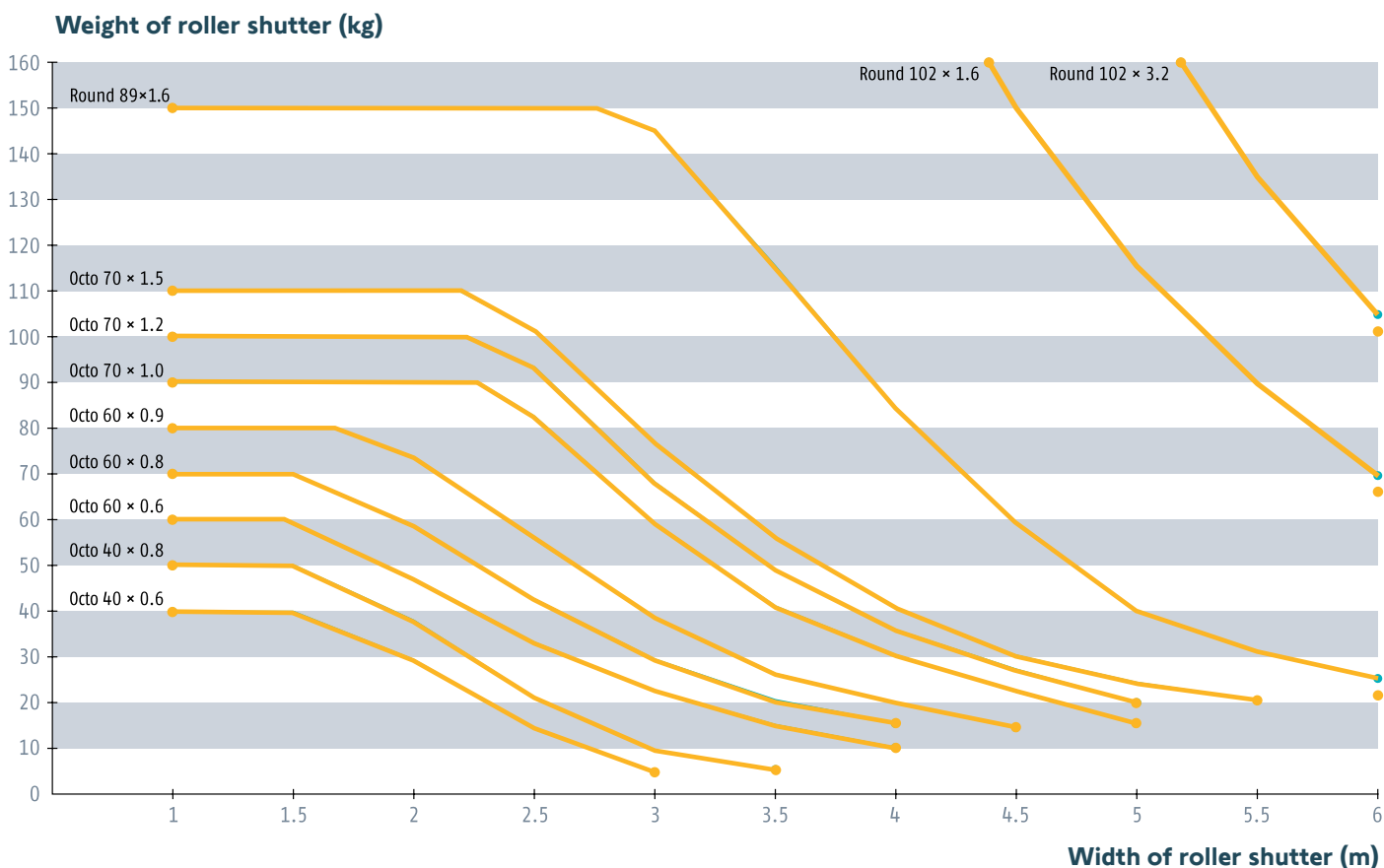
- Type of slat
- Height of roller shutter
- Diameter of roller tube
- Weight of roller shutter

Tube deflection chart

Once the weight has been calculated for a roller shutter, the chart below helps us select the appropriate tube to use according to the weight and the width of the roller shutter.

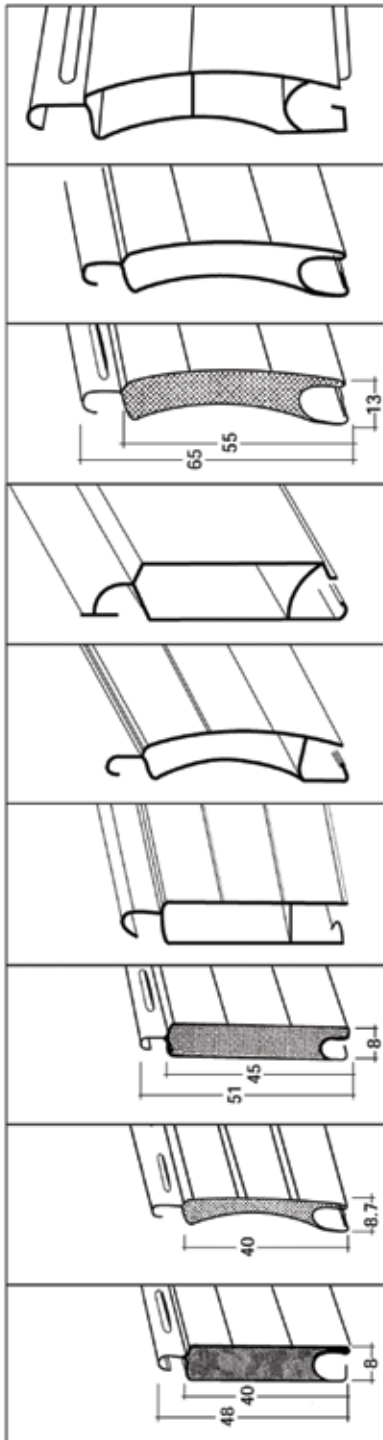
The maximum deflection of the tube allowed in this chart is 2.5 mm per meter.

The values indicated in the below chart are indicative, please refer to the tube manufacturer for further details.



Roller shutter slats

most used in the Middle East



Shutter Height	Slat Dimensions Tube Diameter	Slat 40 x 8 mm			Slat 43 x 9 mm			Slat 45 x 8 mm			Slat 45 x11 mm			Slat 52.3 x13 mm			Slat 53 x14.4 mm			Slat 55 x13 mm			Slat 55 x13.5 mm			Slat 60x14.5 mm		
		40	60	70	40	60	70	40	60	70	40	60	70	40	60	70	40	60	70	40	60	70	40	60	70	40	60	70
100	Diameter in cm	13.4	14.8	15	13		13	13.4	15	15	-	16.5	16.6	-	-	18.8	-	-	20.4	-	-	15.3	-	-	15	-	-	18.2
120	Diameter in cm	14.6	15.8	16		13.75		15	16	16	-	17.6	18.3	-	-	20.2	-	-	22	-	-	16.3	-	-	16	-	-	20.7
140	Diameter in cm	15.5	16.3	16.5		14.5		15.8	16.8	17	-	19.7	19.8	-	-	22.6	-	-	23.8	-	-	17.3	-	-	17	-	-	22
160	Diameter in cm	16.4	16.8	17		15.25		16.7	17.3	17.5	-	21.5	20.9	-	-	23.8	-	-	26.3	-	-	18	-	-	18	-	-	23.6
180	Diameter in cm	17.2	17.5	18		16		18.1	18.2	18.5	-	22.7	22.5	-	-	25.1	-	-	27.2	-	-	19	-	-	18	-	-	25.3
200	Diameter in cm	18	18	18.5		16.75		18.9	19	19.3	-	24	23.8	-	-	26.2	-	-	29	-	-	19.9	-	-	19	-	-	26.6
220	Diameter in cm	18.5	19	19.5		17.5		19	20	20.5	-	25.1	25.2	-	-	27.2	-	-	31.5	-	-	20.8	-	-	20	-	-	28
240	Diameter in cm	19.3	19.5	20.5		18.25		19.8	20.5	21	-	26.5	26.3	-	-	28.4	-	-	32.5	-	-	21	-	-	20	-	-	29.6
260	Diameter in cm	19.8	20.5	21		19		21	21.5	22	-	27.8	27.5	-	-	29.5	-	-	34	-	-	22	-	-	21	-	-	30.9
300		-	-	-	-	20		-	-	-	-	-	-	-	-	-	-	-	-	-	-	23.5	-	-	22.5	-	-	-
Slat nature		roll formed			roll formed			roll formed			extruded			extruded			extruded			roll formed			extruded			extruded		
Polyurethane filled		yes	flat		yes	concave		yes	flat		yes	flat		no	concave		no	flat		no	yes		concave	no		concave	no	
Slat shape		3.8 kgs/m ²			3.9 kgs/m ²			3.8 kgs/m ²			8 kgs/m ²			10 kgs/m ²			11 kgs/m ²			4.5 kgs/m ²			9 kgs/m ²			9.8 kgs/m ²		
Approx. weight		3 m			3.5 m			3 m			6.5 m			6.5 m			6.5 m			5 m			5 m			6.5 m		
Max. R-S width		40 mm			40 mm			40 mm			60 mm			70 mm			70 mm			65 mm			65 mm			70 mm		
Min. Tube Diameter		40 mm			40 mm			40 mm			60 mm			70 mm			70 mm			65 mm			65 mm			70 mm		

N.B: The values indicated in the above table are indicative, please refer the slat manufacturers for further detail.

Motor selection for a

Roller shutter

Range 6: 220V/60Hz

SASO Range

Roller shutter slat type 35x5 mm | 37x8 mm | 40x8 mm | 45x8 mm

Height	Tube Diam (mm)											
Up to 1.5 m	60	13 506R6	17 508R6	21 510R6	32 515R6	42 520R6	59 528R6	81 538R6				
	70	12 506R6	16 508R6	20 510R6	30 515R6	40 520R6	56 528R6	76 538R6	100 660R6	160 680R6	200 6100R6	
	89	11 506R6	15 508R6	18 510R6	27 515R6	37 520R6	51 528R6	69 538R6	95 660R6	147 680R6	183 6100R6	
	102							65 538R6	80 660R6	138 680R6	173 6100R6	345 LT80 S200
From 1.5 to 2.5 m	60	11 506R6	15 508R6	18 510R6	28 515R6	37 520R6	51 528R6	70 538R6				
	70	11 506R6	14 508R6	18 510R6	27 515R6	36 520R6	50 528R6	68 538R6	93 660R6	144 680R6	180 6100R6	
	89	10 506R6	13 508R6	17 510R6	25 515R6	33 520R6	47 528R6	64 538R6	85 660R6	134 680R6	167 6100R6	
	102							60 538R6	80 660R6	126 680R6	158 6100R6	316 LT80 S200
	133								68 660R6	106 680R6	133 6100R6	266 LT80 S200
From 2.5 to 3.5 m	60	10 506R6	13 508R6	16 510R6	24 515R6	32 520R6	44 528R6	60 538R6				
	70	9 506R6	12 508R6	15 510R6	23 515R6	31 520R6	43 528R6	58 538R6	75 660R6	123 680R6	154 6100R6	
	89	8 506R6	11 508R6	14 510R6	21 515R6	28 520R6	40 528R6	54 538R6	66 660R6	113 680R6	142 6100R6	
	102							50 538R6	62 660R6	107 680R6	134 6100R6	316 LT80 S200
	133								58 660R6	91 680R6	113 6100R6	266 LT80 S200
From 3.5 to 4.5 m	60	8 506R6	11 508R6	13 510R6	20 515R6	27 520R6	37 528R6	50 538R6				
	70	8 506R6	10 508R6	13 510R6	19 515R6	25 520R6	35 528R6	47 538R6	75 660R6	101 680R6	126 6100R6	
	89	7 506R6	9 508R6	11 510R6	17 515R6	22 520R6	30 528R6	40 538R6	66 660R6	88 680R6	110 6100R6	
	102							38 538R6	62 660R6	83 680R6	104 6100R6	208 LT80 S200
	133								58 660R6	77 680R6	96 6100R6	192 LT80 S200
From 4.5 to 5.5 m	60	7 506R6	9 508R6	11 510R6	17 515R6	23 520R6	30 528R6	40 538R6				
	70	6 506R6	8 508R6	11 510R6	16 515R6	21 520R6	29 528R6	39 538R6	63 660R6	85 680R6	106 6100R6	
	89	6 506R6	8 508R6	10 510R6	15 515R6	20 520R6	27 528R6	37 538R6	59 660R6	79 680R6	99 6100R6	
	102							35 538R6	58 660R6	77 680R6	96 6100R6	192 LT80 S200
	133								50 660R6	66 680R6	83 6100R6	165 LT80 S200

Range 6: 220V/60Hz
SASO Range

Roller shutter slat type 55x10 mm | 60x14 mm

Height	Tube Diam (mm)											
Up to 1.5 m	60	9 506R6	12 508R6	15 510R6	23 515R6	30 520R6	42 528R6	57 538R6				
	70	9 506R6	12 508R6	15 510R6	23 515R6	30 520R6	42 528R6	57 538R6	91 660R6	121 680R6	151 6100R6	
	89	8 506R6	11 508R6	14 510R6	21 515R6	28 520R6	41 528R6	55 538R6	85 660R6	113 680R6	142 6100R6	
	102							54 538R6	84 660R6	112 680R6	140 6100R6	280 LT80 S200
	133								67 660R6	89 680R6	112 6100R6	223 LT80 S200
From 1.5 to 2.5 m	60	8 506R6	11 508R6	14 510R6	20 515R6	27 520R6	37 528R6	51 538R6				
	70	8 506R6	11 508R6	13 510R6	20 515R6	26 520R6	37 528R6	51 538R6	79 660R6	105 680R6	131 6100R6	
	89	7 506R6	10 508R6	12 510R6	19 515R6	25 520R6	36 528R6	49 538R6	75 660R6	100 680R6	125 6100R6	
	102							47 538R6	74 660R6	98 680R6	123 6100R6	245 LT80 S200
	133								63 660R6	84 680R6	105 6100R6	211 LT80 S200
From 2.5 to 3.5 m	60	8 506R6	10 508R6	13 510R6	19 515R6	25 520R6	35 528R6	48 538R6				
	70	7 506R6	10 508R6	12 510R6	19 515R6	25 520R6	34 528R6	47 538R6	74 660R6	99 680R6	124 6100R6	
	89	7 506R6	9 508R6	12 510R6	17 515R6	23 520R6	32 528R6	44 538R6	69 660R6	93 680R6	116 6100R6	
	102							42 538R6	66 660R6	88 680R6	110 6100R6	220 LT80 S200
	133								56 660R6	75 680R6	93 6100R6	186 LT80 S200
From 3.5 to 4.5 m	60	7 506R6	9 508R6	11 510R6	17 515R6	23 520R6	31 528R6	42 538R6				
	70	7 506R6	9 508R6	11 510R6	17 515R6	23 520R6	31 528R6	42 538R6	68 660R6	90 680R6	113 6100R6	
	89	6 506R6	8 508R6	11 510R6	16 515R6	21 520R6	30 528R6	40 538R6	63 660R6	84 680R6	105 6100R6	
	102							38 538R6	60 660R6	80 680R6	100 6100R6	200 LT80 S200
	133								51 660R6	68 680R6	85 6100R6	169 LT80 S200
From 4.5 to 5.5 m	60	6 506R6	8 508R6	10 510R6	15 515R6	21 520R6	28 528R6	38 538R6				
	70	6 506R6	8 508R6	10 510R6	15 515R6	20 520R6	28 528R6	38 538R6	60 660R6	80 680R6	100 6100R6	
	89	6 506R6	8 508R6	10 510R6	14 515R6	19 520R6	25 528R6	35 538R6	57 660R6	76 680R6	96 6100R6	
	102							35 538R6	54 660R6	73 680R6	91 6100R6	182 LT80 S200
	133								45 660R6	60 680R6	75 6100R6	150 LT80 S200

Range of Motors

Altus Range:

The multi-functional roller shutter motor



Motor Type	Reference RTS	Torque	Speed	V / Hz	Current	Power
Altus 404R6	1021268	4 N.M	16 rpm	220 V / 60 Hz SASO	0.35 A	70 W
Altus 409R6	1023211	9 N.M	16 rpm	220 V / 60 Hz SASO	0.5 A	105 W
Altus 506R6	1134077	6 N.M	14 rpm	220 V / 60 Hz SASO	0.35 A	70 W
Altus 510R6	1134078	10 N.M	14 rpm	220 V / 60 Hz SASO	0.5 A	105 W
Altus 520R6	1134079	20 N.M	14 rpm	220 V / 60 Hz SASO	0.75 A	170 W
Altus 528R6	1134080	28 N.M	14 rpm	220 V / 60 Hz SASO	1.1 A	180 W
Altus 538R6	1134081	38 N.M	14 rpm	220 V / 60 Hz SASO	1.1 A	210 W

Altus RTS & IO



For all types of
Rolling shutters
Ø 40 for small
sizes of shutters



Renovation roller shutter



Combined window shutter



Tunnel or timber Box



Traditional

Product main functionalities



The "My" function

To move in one click your shutter to your pre-recorded favourite position.



Somfy Drive Control

- The shutter mechanism last longer.
- No need for maintenance.



Tamper resistant

Burglary delayed (If the roller shutter is equipped with rigid links).



Obstacle sensitivity with ABS wheel



Remote limit setting



Altus io

Ø 50 & 60

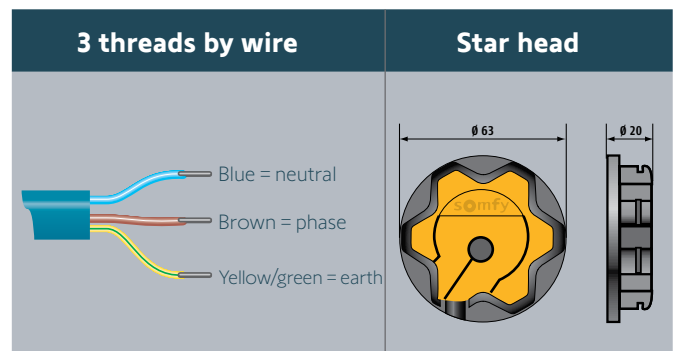
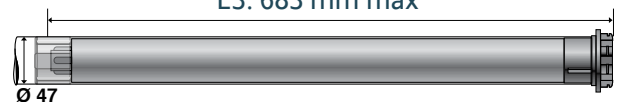
Technical specifications

Altus io	
Thermal time	4 min
Index protection rating	IP 44
Cables	Removable RRF or VVF
Limit switch unit	Electronic
Electric insulation	Class 1
V / Hz	220 V / 60 Hz - SASO
Torque	Ø 50: from 6 to 50 N.m Ø 60: from 55 to 120 N.m
Speed	12 and 17 rpm

Availability (According to products): Range 1, 3, 4 and Range 6

L3: length with head

L3: 683 mm max



Benefits for professionals

- Easy Way to set
 - Set the rotation direction
 - Set the end limits
 - Program the transmitter
 - Less wiring
 - Simple for re-adjustment of the end limits by remote control
- Wide range of functions and designs
 - Compatible with all RTS controls Somfy range
 - Compatible with sun sensors
- Sell value
 - More performance: widened and competitive offer of torques/speeds

Benefits for End-Users

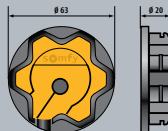
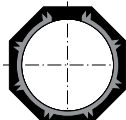
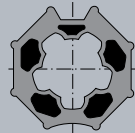
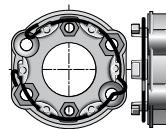
- Easy to use
- Remote control
- Centralization function: move more than one roller shutter from a remote
- Manage your shutter with a single remote control
- Upgradeable system
- The "my" position that allows you an intermediate position
- Memory capacity: 12 channels and 3 sensors
- Less Radio interference
- Repeat order up to 8 times if necessary
- Increased security by system key

Kits Description for

Altus motor

Commercial Name	506R6 ALTUS RTS/io 6/14 SASO	510R6 ALTUS RTS/io 10/14 SASO	520R6 ALTUS RTS/io 20/14 SASO	528R6 ALTUS RTS/io 28/14 SASO	538R6 ALTUS RTS/io 38/14 SASO
Motor reference RTS	1134077	1134078	1134079	1134080	1134081
Motor reference io	1245818	1245819	1245820	1245821	1245822
Torque (N.m)	6	10	20	28	38
Speed (rpm)	14	14	14	14	14
Voltage / Frequency	220 / 60 Hz (RANGE 6)				
Limit Switch Unit	Altus RTS				
L.S.U. head type	Star Head				
Cable	2,5M VVF White				
Homologation on sticker	N.F. + C.E.				
Packaging	Unitary Cardboard				
"Elements in packaging (not mounted into motor)"	CROWN: 9707025A CROWN LT50 SW60 ED WHEEL: 9751001C WHEEL LT50 SW60 BRACKET: 9910000A ZAMAC UNIVERSAL SUPPORT REMOTE CONTROL: 1811045 SMOOVE ORIGIN RTS + FRAME				

Additional Information

STAR HEAD	
9707025A CROWN LT50 SW60 ED	
9751001C WHEEL LT50 SW60	
9910000A ZAMAK UNIVERSAL BRACKET	
1811045 SMOOVE ORIGIN RTS PURE	
1870405 SITUO 1 RTS PURE 1870314 SITUO 1 io PURE	

Warnings

WARNING 1

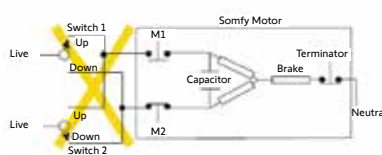
Do not wire one motor to several Switches

Problem:

When «Switch 1» is turned to the up position the motor will turn. When it reaches its pre-set position the micro-switch «M1» will open and the motor will stop. If «Switch 2» is then turned to the down position the motor will turn in the opposite direction. The micro-switch «M 1» will close. This will cause the capacitor which is charged to its maximum voltage (240 V) to discharge (short circuit) through the micro-switch «M 1» and «Switch ». This will damage the contacts in the micro-switch.

Solution:

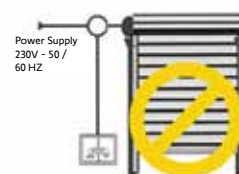
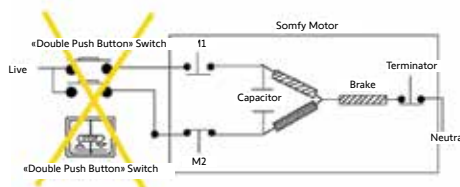
Use a SOMFY MOCO or other Somfy electronic controller.



WARNING 2

Do not use a «Double Push Button» switch direct to the motor

If a «Double Push Button» switch is directly connected to a motor, the same problem will occur as if one motor was connected to several switches (refer to warning 1).



WARNING 3

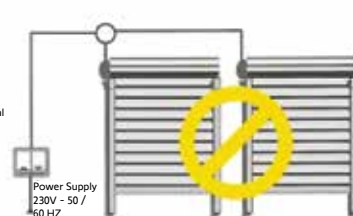
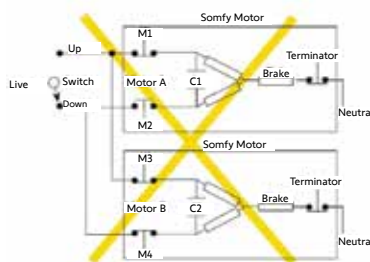
Do not wire motors in parallel

Problem:

When the Switch is turned to either the up or down position, both motors will turn together. One of the motors (A) will stop its pre-set limit before the other (B). Current from motor (B) will then flow back to motor (A) through capacitor C2 and micro-switch M3 and M1. There will be a constant feedback from one motor to the other causing the motors to continuously change direction, but with very little travel. The motors will eventually burn out.

Solution:

For two or more motors use a Somfy microprocessor controller or MOCO.



WARNING 4

Do not use other controls than those recommended in Somfy catalogues, otherwise the Somfy guarantee is not valid anymore.

SOMFY'S Historical Motor

For all types of
Roller shutters



Renovation roller shutter



Combined window shutter



Tunnel or timber Box



Traditional

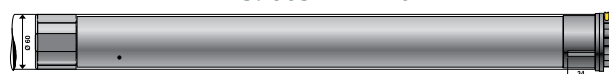
Technical specifications

LT & LT CSI

Thermal time	2.25 min
Index protection rating	IP 44
Cables	Removable RRF or VVF
Limit switch unit	Mechanical
Electric insulation	Class 1
V / Hz	220 V / 60 Hz SASO

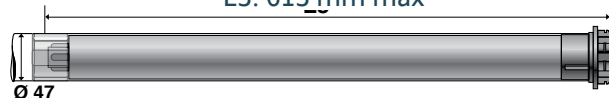
LT60

L3: length with head
L3: 665 mm max

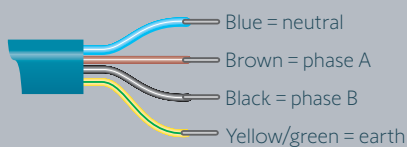


LT50

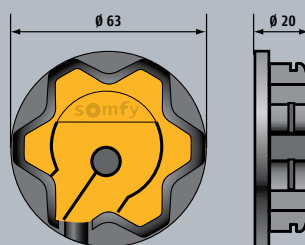
L3: length with head
L3: 613 mm max



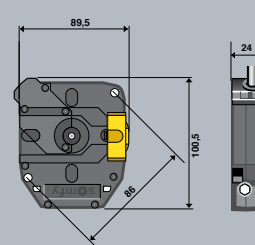
4 threads by wire



Star head



CSI head



Benefits for professionals

- Rapid down and up end limits set by pressing the adjustment buttons on the head
- Adapted to all types of shutters
- Removable cable

Benefits for End-Users

- The most installed motor in the world
- Affordable motorization for your rolling shutters
- For LT CSI, an emergency command to move your shutters manually in case of power failure.

Product main functionalities



Rapid adjustment buttons

right or left mounting versions identified by the colour of the up and down limit buttons.

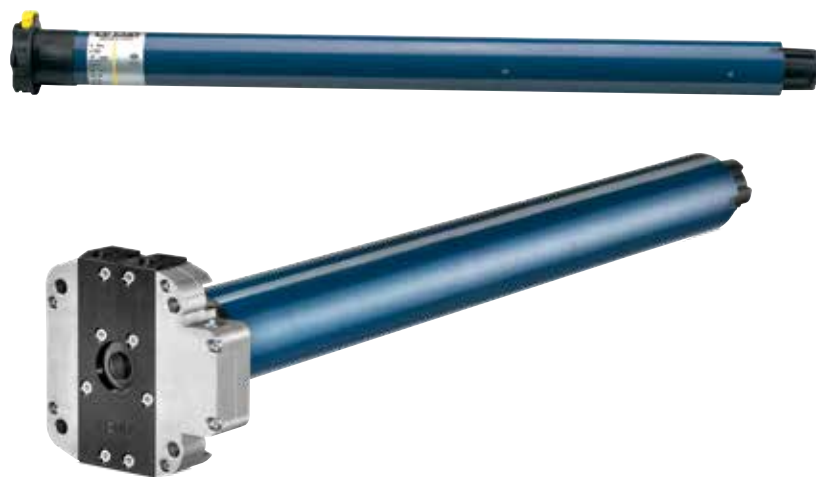


For LT CSI, an emergency command

For LT CSI, to operate the roller shutter by hand if there is a power failure.

LT Range:

Narrow head tubular motorisation for closures on commercial premises



Motor Type	Reference	Torque	Speed	V / Hz	Current	Power
LT 50 508R6	1032943 *	8 N.M	14 rpm	220 V / 60 Hz SASO	0.5 A	105 W
LT 50 510R6	1037839 *	10 N.M	14 rpm	220 V / 60 Hz SASO	0.5 A	110 W
LT 50 515R6	1039744 *	15 N.M	14 rpm	220 V / 60 Hz SASO	0.6 A	150 W
LT 50 520R6	1041796 *	20 N.M	14 rpm	220 V / 60 Hz SASO	0.75 A	170 W
LT 50 528R6	1045618 *	28 N.M	14 rpm	220 V / 60 Hz SASO	1.1 A	175 W
LT 50 538R6	1049712 *	38 N.M	14 rpm	220 V / 60 Hz SASO	1.1 A	210 W
LT 50 508A6 CSI	1035201 *	8 N.M	20 rpm	220 V / 60 Hz SASO	0.5 A	105 W
LT 50 518A6 CSI	1041797 *	18 N.M	20 rpm	220 V / 60 Hz SASO	0.75 A	170 W
LT 50 538R6 CSI	1049714 *	38 N.M	14 rpm	220 V / 60 Hz SASO	1.1 A	210 W
LT 60 660R6	1162229 **	60 N.M	14 rpm	220 V / 60 Hz SASO	1.25 A	270 W
LT 60 680R6	1164178 **	80 N.M	14 rpm	220 V / 60 Hz SASO	1.5 A	350 W
LT 60 6100R6	1166211 **	100 N.M	14 rpm	220 V / 60 Hz SASO	1.9 A	400 W
LT 60 660R6 CSI	1162230 **	60 N.M	14 rpm	220 V / 60 Hz SASO	1.25 A	270 W
LT 60 680R6 CSI	1164231 **	80 N.M	14 rpm	220 V / 60 Hz SASO	1.5 A	350 W
LT 60 6100R6 CSI	1166215 **	100 N.M	14 rpm	220 V / 60 Hz SASO	1.9 A	400 W
LT 80 S 200	1201071	200 N.M	8 rpm	220 V SASO	2.5 A	710 W
LT 80 S CSI	1201078	200 N.M	8 rpm	220 V SASO	2.5 A	710 W
LT 80	1201046	250 N.M	8 rpm	220 V SASO	3.32 A	710 W
LT 80 M	1201049	250 N.M	8 rpm	220 V SASO	3.32 A	710 W
LT 90 SEL 450	1202028	450 N.M	8 rpm	220 V / 60 Hz SASO	5.3 A	1200 W
LT 90 M SEL 450	1202029	450 N.M	8 rpm	220 V / 60 Hz SASO	5.3 A	1200 W

* with crown & wheel for tube octo 60 + bracket

** with crown & wheel for tube octo 70 + bracket

LT 80S - LT 80S CSI

Motors for rolling garage doors



Complete system for a quick and fully mastered installation

Narrow motor head, only 43 mm thick, with or without integrated manual override

- > Optimized for installation between walls, with metal stud of 50 mm width and safety brake on the opposite side

Flexibility of installation

- > The motor head with square shape, 4 mounting positions and its orientable bracket allows a positioning of the motor head without any constraint, adapting to all configurations

Safety end-limit system

- > A third switch cuts the power supply of the motor when going beyond the up or down limits, in accordance with EN 12453

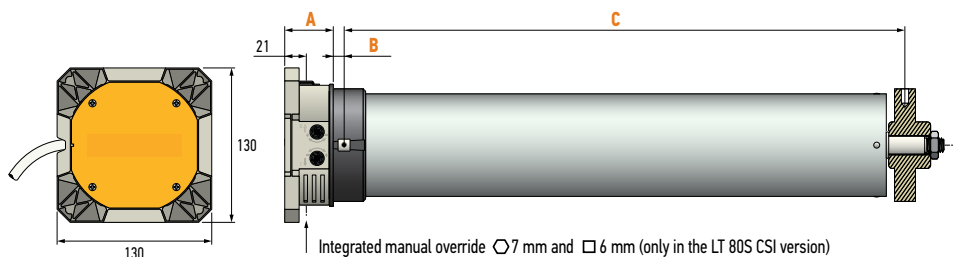
Range 220 V-230 V /50 Hz

	Torque	Speed	Power	Intensity	End limits	Base Diameter	Weight	Reference
LT 80S 150	150 Nm	8 rpm	450 W	2A	17 turns	94 mm	9.5 kg	1201081
LT 80S 200	200 Nm	8 rpm	710 W	2.5A	17 turns	94 mm	11	1201082
LT 80S 250	250 Nm	8 rpm	710 W	3.2A	17 turns	94 mm	11.5	1201086
LT 80S 300	300 Nm	8 rpm	855 W	3.9A	17 turns	94 mm	12	1203036
LT 80S CSI 150	150 Nm	8 rpm	450 W	2A	17 turns	94 mm	12	1201083
LT 80S CSI 200	200 Nm	8 rpm	710 W	2.5A	17 turns	94 mm	12.5	1201084
LT 80S CSI 250	250 Nm	8 rpm	710 W	3.2A	17 turns	94 mm	14	1201085
LT 80S CSI 300	300 Nm	8 rpm	855 W	3.9A	17 turns	94 mm	15	1203035

KSA Range 220 V / 60 Hz

	Torque	Speed	Power	Intensity	End limits	Base Diameter	Weight	Reference
LT 80S CSI 200	200 Nm	10 rpm	710 W	2.5A	17 turns	94 mm	12.5	1201078
LT 80S 200	200 Nm	10 rpm	710 W	2.5A	17 turns	94 mm	11	1201071

Dimensions



	Length A	Length B	Length C
With adaptor < 119 mm	43 mm	8 mm	659 mm
With adaptor > 119 mm	49 mm	18 mm	645 mm

Accessories



Bracket 175 x 175 mm

Ref. 9018069 (per unit)

Ref. 9018070 (per 10)



Support (small)

Ref. 9018370



Manual override ring

Ref. 9018569



Chain manual override

Ref. 9019459 (kit without chain)

Ref. 9019460 (10 m chain)

Technical Specifications

Thermal cut-out	4 minutes
LT 80S CSI reduction ratio	Of the manual override: 190/1
Protection index	IP 44
Ambient working temperature	From -10°C to +40°C and exceptionally from -20°C to +60°C
Power cable 230V	2.5 meters (4x0.75mm ² wires, white H05 VVF)
Cycles per day	50, non-consecutive
Minimum diameter of tube	101.6 x 3.6

Recommended types of control

Type of Control	Radio control in sequential mode and/or 3 keys (up, stop, down)	
Operating mode	Automatic or sequential	Wired control within sight
Control boxes	 Rollixo Optimo	Not required
Control points	 Remote controls and radio transmitters	 Key switch
Safety accessories	 Safety edge, photocell barrier and signaling light	Not required

Oximo WireFree SASO Range

A solar solution reliable and simple to install
Oximo WireFree RTS is an autonomous motorized system



Protected against freezing
The motor stops in the event of freezing (and also if the final slat is locked)



«My » favorite
To move in one click your shutter to your pre-recorded favourite position



Tamper resistant
Burglary delayed



Compatibility with all types of Roller shutters
(CWS, RRS, roof and facades windows)



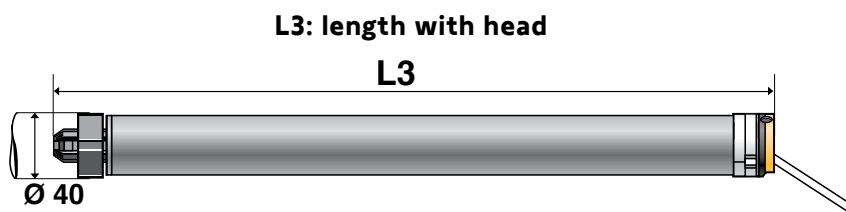
Autonomy
Energy saving and guaranteed in all conditions



Obstacle detection
Stops if it meets an obstacle when coming down



Somfy Drive Control
Burglary delayed



3 Threads by wire	Round Head

Availability of the motor					
Torque (Nm)	Speed (rpm)	Diameter (mm)	L3 (mm)	Power (w)	Round head
3	23	40	470	17	
6	18	40	470	24	
10	12	40	470	32	

Battery with aluminium casing: Technical specifications

Battery Pack	
Size	501 X 31 X18 mm
Material	ABS (UV stabilised) & Aluminium
Color	Grey RAL 7035
Protection factor against solid & splashproof	IPX4
Battery	
Voltage	12V
Type	Nimh
Capacity	2200mAh
Temperature range	-20°C/ +70°C
Charging frequency with OXIMO Wirefree	Max 2 per year
Power Supply	
Weight	772g
Cable length	56,2 cm

Benefits for professionals

- **The fastest rolling shutter motor to install:**
No need to bring electrical wires to the shutter
For installation of a renovation rolling shutter, just need to fix the RS on the wall For modernization, fast wiring of the battery & solar panel.
1h30 saved on average VS a standard wired motor
- **Convenient :**
No electrician expertise required
No need to enter in the end-user home (appointment management eased)
- **Reliable :**
5 years warranty on all elements : Oximo motor, battery and solar panel, Battery estimated lifetime between 8 to 10 years*, Solar panel estimated lifetime between 10 to 15 years*
Same configuration as Oximo series :
Adapted to all situation (manual, semi auto & automatic settings), Compatible with Ø40 accessories and Ø50 adaptation accessories.

*Tests are currently underway with external laboratories to communicate officially these information. The results are expected in August

Benefits for End-Users

- **Energy savings :**
The battery is recharged thanks to the sun
 - **Peace of mind :**
Simple and fast installation
No wiring related damage
Can be used even in case of power black-out (=CSI)
 - **Reliable :**
5 years warranty on all elements : Oximo motor, battery and solar panel, Battery estimated lifetime between 8 to 10 years*, Solar panel estimated lifetime between 10 to 15 years*
- Same benefits as standard Oximo :**
Centralization thanks to the Radio Technology Somfy
Favorite position
Obstacle detection

Accessories for

Roller shutter

Accessories are mechanical parts used for the integration of the tubular motor in its environment. Without accessories, the mounting and the functioning of the motor would be impossible.

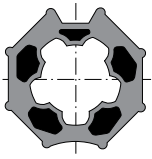
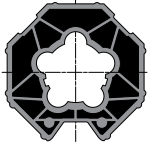
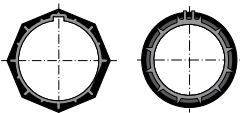
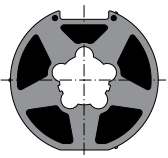
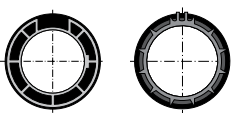
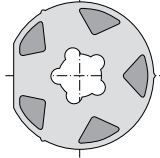
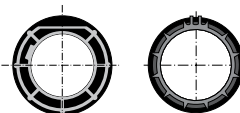
Accessories allow:

- To drive the tube: crowns & wheels
- To adapt the motor and the tube : motor brackets & plug-end brackets
- To add a manual override: cranks, box outlet
- To add other functionalities : links, stoppers, ABS wheels

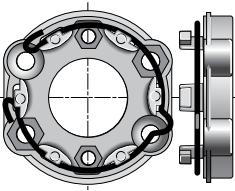
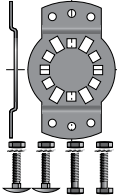
The different accessories support or the torque of the motor and/or the weight of the end product.

- The wheel: torque
- The crown: weight
- Motor brackets: torque and weight
- Plug end: weight
- Plug end brackets: weight
- Links: torque and weight
- Stoppers: torque

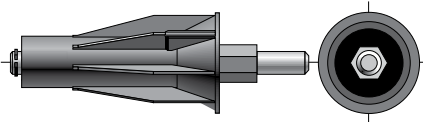
Accessories for LT 50

Tube	Wheels	Crowns	Comments
 $\varnothing 60$ Imbac octo 60	 9751001	 9707025	9751001 Only hard clip. Centered. 9707025 Centered.
 $\varnothing 70$ Octo 70	 9761002	 9705340 + 9707026	9761002 Only hard clip. Centered. 9705340 + 9707026 Centered. 9761002 + 9705340 + 9707026 = 9410336
 $\varnothing 89$ Deprat F-5039 $\varnothing 89 \times 1$	 9420301	 9420341 9707026	9420301 9420341 9707026 9420301 + 9420341 + 9707026 = 9001473
 $\varnothing 102$ 102x2 Cylindric	 9420304	 9420370 9707026	9420304 Aluminum 9420370 Centered 9707026 9420304 + 9420370 + 9707026 = 9001501

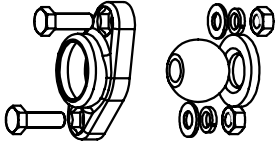
Brackets

Brackets	Comments
 Bracket universal zamac ipro 9910000 	It's also possible to fix directly the LT 50 head against the end-plate of the end product. Max: LT60 80 Nm, 250 kg. Delivered without nuts. Fixing entraxes: 48 and 60 mm.
 Bracket for roller shutter adjustable to 30° 9420654 	Delivered in a bag with screws and bolts to fix it on the CSI head. Max: LT60CSI 85 Nm. Fixing entraxes: from 40 to 48 mm.

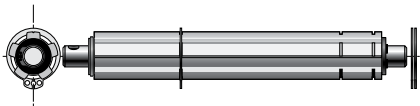
Plug End

Product	Comments
 Adjustable plug end pin 12 9420801 	Delivered in bulk. Max: • with awning : LT50 50 Nm. • with roller shutter: maximum weight = 40 kg.

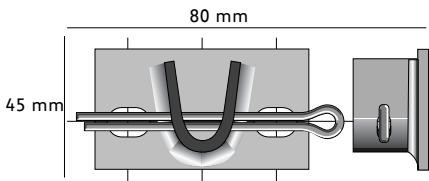
Plug End Bracket

Product	Comments
 Plug end bracket wirh ball for pin diam.12 9430610 	Fixing entraxe: 60 mm. Max: LT60 120Nm. Maximum load: 220 kg. Delivered in a bag. To be used with 9420801

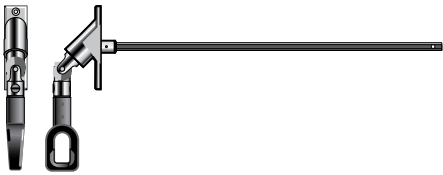
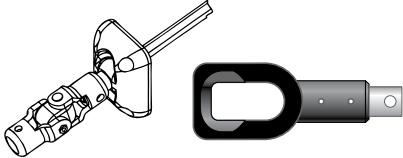
Plug Ends

Product	Comments
 Plug end for high load 9420674 	Delivered in bulk. To use with 2 LT wheels corresponding to the roller tube. Max: LT60 120 Nm. Maximum weight of the end-product: • with plastic wheel: 172 kg. • with aluminium wheel: 250 kg.

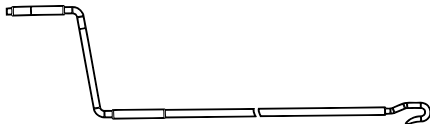
Plug End Bracket

Product	Comments
 Plug end bracket D:16 9540786 	For diam 50 motors. Thickness: 4 mm. To be used with plug-end 9420674.

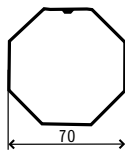
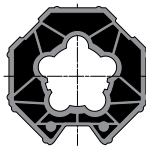
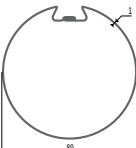
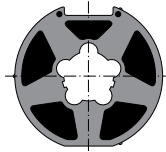
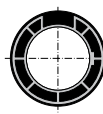
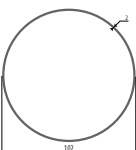
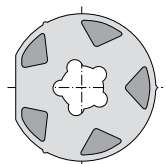
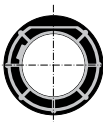
CSI Accessories

Product	Comments
 60° box outlet with eye outlet 260 mm 9685180 	Delivered in bulk. Hexagonal shaft of 7 mm with 260 mm length. Compatible with the cranks (9129671, 9129674) the Imbac hooks and the Geiger crank. Max: LT60CSI 120 Nm
 Double cardan with eye outlet 9685181 	Delivered in bulk. Hexagonal shaft of 7 mm with 315 mm length. Compatible with the cranks (9129671, 9129674) the Imbac hooks and the Geiger crank. Max: LT60CSI 120 Nm. Equipped with Eye outlet (9685116)
 Vertical box outlet with eye 9685182 	Manual operating. Equipped with Eye Outlet (9685116)
 60° box outlet with eye outlet 315 mm 9685183 	Delivered in bulk. Hexagonal shaft of 7 mm with 315 mm length. Compatible with the cranks (9129671, 9129674) the Imbac hooks and the Geiger crank. Max: LT60CSI 120 Nm

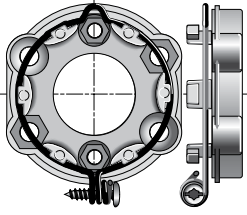
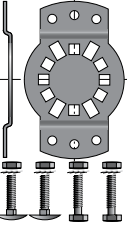
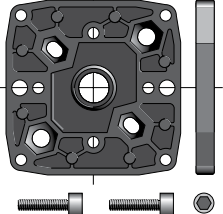
Cranks

Product	Comments
 Crank 1,25 m 9129671 	Max: LT60CSI 120 Nm.
 Crank 2 m 9129674 	Max: LT60CSI 120 Nm.

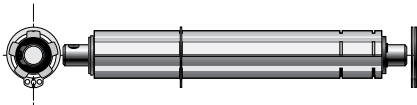
Accessories for **LT 60**

Tube	Wheels	Crowns	Comments	
 ø70 Bertoni Stafer	 Bertoni Stafer	 9761002	 9705340	9761002 Only hard clip. Centered. 9705340 Centered. 9761002 + 9705340 = 9420335
 ø89 Deprat F-5039 ø 89x1	 F5039	 9420301	 9420341	9420301 9420341 9420301 + 9420341 = 9420333
 ø102 102x2 Cylindric	 Cylindric	 9420304	 9420370	9420304 Aluminum 9420370 Centered. 9707026 9420304 + 9420370 = 9001502

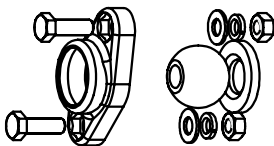
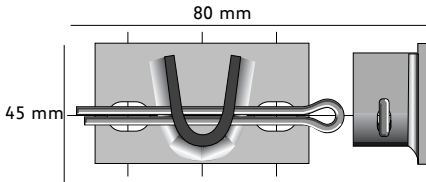
Brackets

Brackets	Comments
 Bracket universal zamac + stop ring locking 9910003	 Max: LT60 120 Nm ; FTS60 70 Nm. To be used with TITAN. TAURUS. FTS50 and FTS60. Fixing entraxes: 48 and 60 mm. Delivered without nuts. Max: 250 kg.
 Bracket for roller shutter adjustable to 30° 9420654	 Delivered in a bag with screws and bolts to fix it on the CSI head. Max: LT60CSI 85 Nm. Fixing entraxes: from 40 to 48 mm.
 CSI multi-entraxe bracket 9910040	 Delivered in a bag with screws and bolts to fix it on the CSI head. Max: LT60CSI 120 Nm. Fixing entraxes: 44 mm - M6 ; 48 mm - M6 ; 60 mm - M8.

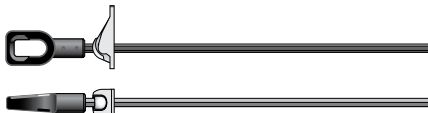
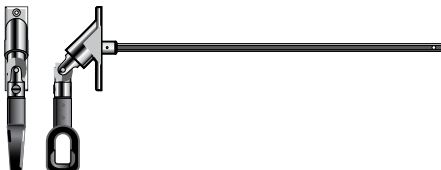
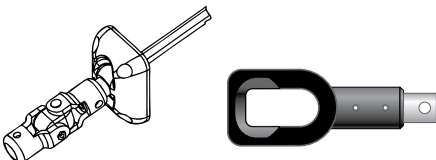
Plug Ends

Product	Comments
 Plug end for high load 9420674 	Delivered in bulk. To use with 2 LT wheels corresponding to the roller tube. Max: LT60 120 Nm. Maximum weight of the end-product: • with plastic wheel: 172 kg. • with aluminium wheel: 250 kg.

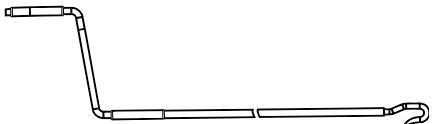
Plug End Brackets

Product	Comments
 Plug end bracket with ball for pin diam.16 9430629 	Fixing entraxe: 60 mm. Max: LT60 120Nm. Maximum load: 220 kg. Delivered in a bag. Tube used with 9420674.
 Plug end bracket D:16 9540786 	For diam 50 motors. Thickness: 4 mm. To be used with plug-end 9420674.

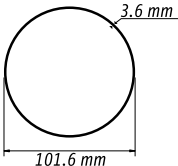
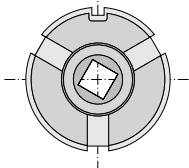
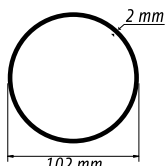
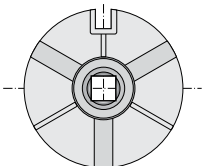
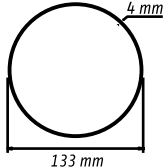
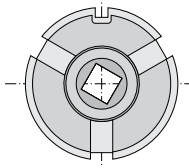
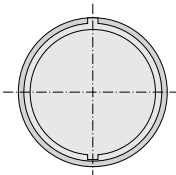
CSI Accessories

Product	Comments
 60° box outlet with eye outlet 260 mm 9685180 	Delivered in bulk. Hexagonal shaft of 7 mm with 260 mm length. Compatible with the cranks (9129671, 9129674) the Imbac hooks and the Geiger crank. Max: LT60CSI 120 Nm
 Double cardan with eye outlet 9685181 	Delivered in bulk. Hexagonal shaft of 7 mm with 315 mm length. Compatible with the cranks (9129671, 9129674) the Imbac hooks and the Geiger crank. Max: LT60CSI 120 Nm. Equipped with Eye outlet (9685116)
 Vertical box outlet with eye 9685182 	Manual operating. Equipped with Eye Outlet (9685116)
 60° box outlet with eye outlet 315 mm 9685183 	Delivered in bulk. Hexagonal shaft of 7 mm with 315 mm length. Compatible with the cranks (9129671, 9129674) the Imbac hooks and the Geiger crank. Max: LT60CSI 120 Nm

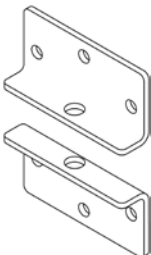
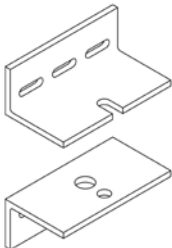
Cranks

Product	Comments
 Crank 1,25 m 9129671 	Max: LT60CSI 120 Nm.
 Crank 2 m 9129674 	Max: LT60CSI 120 Nm.

Accessories for LT 80

Tube	Wheels	Crown	Comments
 ø101.6  3.6 mm 101.6 mm Cylindric	 9001297		9761002 Only hard clip. Centered.
 ø102  2 mm 102 mm Cylindric	 9530346		9530324 Centered.
 ø133  4 mm 133 mm Cylindric	 9530403	 9148804	

Brackets

Brackets	
 Motor bracket for plate mounting 9001413 	 Motor bracket for wall mounting 9541103 

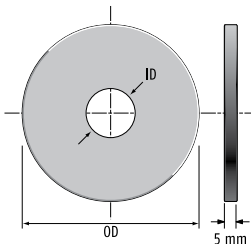
LT 80 S Accessories

Product	Comments
 Bracket 175 x 175 mm 9018069 (per unit) 9018070 (per 10) 	 Chain manual override 9019459 (kit without chain) 9019460 (10 m chain) 
 Manual Override ring 9018569 	

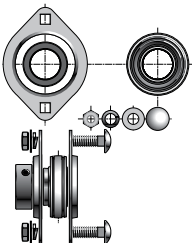
Shaft

Product	Comments
 Plain shaft Ø 30 mm 9146580 	Weight: 2490 g Length: 350 mm Maximum shutter weight: 1000 kg

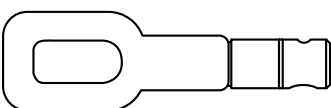
Steel Disc

Product		Comments		
 Plain steel disc adaptors Ø 30 mm Tube 101.6 1781024 Tube 102 1781056 Tube 133 1781025				
		Ref. 1781024	Ref. 1781056	Ref. 1781025
Tube		101.6 x 3.6	102 x 2	133 x 4
Weight		183 g	203 g	365 g

Shaft Bearing

Product	Comments
 Shaft support bearing Ø 30 mm 1781020 	To be used with adjustable end plate with screw M 10 x 30 Material: Steel Weight: 570 g Finish: Galvanised Maximum shutter weight: 1000 kg

LT 80 / LT 90 CSI Accessories

Product	Comments
 Eye outlet for cs70/80 9137047 	Manual operating.

TaHoma® switch

Make the most of your home
Thanks to Somfy's motorized and connected solutions

The first smart control to centralize and connect your home equipment.

Developed with **comfort, ease of use, security and sustainability** in mind, our innovations automate and connect roller shutters, curtains and blinds, gates and garage doors, outdoor living, lighting and heating, alarm systems and more.

We are committed to creating useful solutions that are accessible to all, designed for today and beyond. Day after day, the Somfy brand is committed to creating reliable and sustainable solutions for a **better way of living**.



By adding connectivity with TaHoma switch, you easily make the most of your home to bring more peace of mind and a lighter daily routine. Whether you are at home or away, effortlessly manage your home to centralize, control, check and automate your devices.



Easily control your equipment in different ways:

- In a touch on the smart control
- In a tap on your smartphone
- By voice with a compatible voice assistant (Amazon Alexa or Google Assistant)
- Or even without thinking about it thanks to the time programming function or a sensor.



Wall-mounted control units

Smoove 1 RTS



- 1 channel sensitive wall-mounted control unit.
- To control 1 blind or 1 group of motorized blinds.

Pure Shine - Ref. 1810881

Black Shine - Ref. 1810882

Silver Shine - Ref. 1810883

3 finishes

Pure Shine, Black Shine, Silver Shine

Radio frequency

433,42 MHz

Supplied with wall mount & screws

Protection index

IP 30

Dimensions

50 x 50 x 10 mm

Smoove Origin RTS & io



Wall-mounted, mechanical, single-channel control unit.

- Up, down & stop functions.
- «my» favorite position.
- Module available in white finish.
- Frames available in 8 finishes.

Smoove Origin io + Frame - Ref. 1811066

Smoove Origin INTL RTS + Frame - Ref. 1811045

1 finish

White

Radio frequency

433,42 MHz

Supplied with wall mount & screws

Protection index

IP 30

Dimensions

50 x 50 x 10 mm

Operating temperature

0°C / +60°C

Battery

3V - Number 1 - Type CR2430

Smoove UNO WT FP



With Timeless and elegant design allows the user to control his home equipment. 3 buttons: up, down, and stop. In the FP model pressing the movement button once [up — open/down — close] will move the controlled cover until it reaches its end position or until the user will press the stop button.

Smoove Uno WT FP - Ref. 1800508

Dimensions

80x80x49 mm

A complete range available with a wide variety of Somfy frame colors



LACQUERED WHITE Ref. 9015022



MATT STEEL Ref. 9015025



LACQUERED STEEL Ref. 9015024



BLACK MATT Ref. 9015023



LIGHT BAMBOO Ref. 9015027



DARK BAMBOO Ref. 9015026



CHERRY WOOD Ref. 9015236



WALNUT Ref. 9015237

Dimensions (LxHxP)

80 x 80 x 10 mm

Material

PVC

Wall support provided - except with Pure frame

Smoove® Application



Smoove double-frame



- Double-frame, lacquered white finishing
- Used to group 2 modules in a double-frame for more aesthetic.

Lacquered White - Ref. 9015238

Material

PVC

Dimensions

145 x 80 x 10 mm

Fixation du module par clippage

Window Controls

Nina io



SOMFY +

Compatibility with Smart Awning function & Sunis Wirefree II io



Radio frequency	868,25 MHz / 868,95 MHz / 869,85 MHz
Protection index	IP 20
Dimensions	20 x 4.5 x 2 cm

Product main functionalities



Centralization

Control different pieces of equipment individually, as a group or as different scenarios; Also, you can view the exact position of the equipment via the Onscreen graphics.



Feedback Function

The user is kept informed at all times of both correct functioning of any problems that may arise.



Natural Control

Set up the interface, press the screen for 2 seconds and control any piece of the equipment with a natural gesture of your arm...like magic!



Personalized interface

Configure to suit your house. Identify and name different rooms. Also includes dedicated icons for each one.



Scenario function

For example "I am leaving the house" (close the shutters and the EVB, turn off the lights and set the alarm). Program how you want to live in just a few clicks.



Quiet mode

Shutter is twice as quiet : slow speed of the shutter with slow pulse of the led. This only exists for actionners which include this function.

Situo 1 io / Situo 5 io



- To control 1 io application or 1 group of io applications.
- To control up to 5 io applications or 5 groups of io applications.

Radio frequency	868 MHz +/- 1 KHz
Protection index	IP 30
Dimensions	139 x 42 x 16 mm

Situo 1 io Pure - Ref. 1 870 311

Situo 1 io Natural - Ref. 1 870 319

Situo 1 io Iron - Ref. 1 870 315

Situo 1 io Arctic - Ref. 1 870 323

Situo 5 io Natural - Ref. 1 870 335

Situo 5 io Arctic - Ref. 1 870 339

Situo 5 io Pure - Ref. 1 870 327

Situo 5 io Iron - Ref. 1 870 331

Situo 1 / Situo 5 Variation io



- To control 1 io application or 1 group of io applications.
- To control up to 5 io applications or 5 groups of io applications.
- With scroll wheel for tilting and dimming.

Radio frequency	868 MHz
Protection index	IP 30
Dimensions	140 x 45 x 20 mm

Situo 1 Variation io Pure - Ref. 1 811 634

Situo 1 Variation io Iron - Ref. 1 811 635

Situo 5 Variation io Pure - Ref. 1 811 637

Situo 5 Variation io Iron - Ref. 1 811 636

Individual remote controls

Situo 1 RTS



- 1 channel to control one piece of equipment.
- Up, Down & stop Functions.
- Favorite position «my».
- Discreet wall support.
- 4 Finishes: Pure, Silver, Gold and Rose Gold.

Radio frequency	433,42 MHz
Protection index	IP 30
Dimensions	135 x 42 x 14mm

Gold RTS - Ref. 1811432

Rose Gold RTS - Ref. 1811431

Pure RTS - Ref. 1800459

Silver RTS - Ref. 1800460

Remote controls RTS centralization

Situo 2 RTS



- 2 channels to control two pieces of equipment.
- Up, Down & stop Functions.
- Favorite position «my».
- Discreet wall support.
- 4 Finishes: Pure, Silver, Gold and Rose Gold.

Radio frequency	433,42 MHz
Protection index	IP 30
Dimensions	135 x 42 x 14mm

Gold RTS - Ref. 1811434

Rose Gold RTS - Ref. 1811433

Pure RTS - Ref. 1811418

Silver RTS - Ref. 1811419

Situo 5 RTS



- 5 channels to control several pieces of equipment.
- Up, Down & stop Functions.
- Favorite position «my».
- Discreet wall support.
- 4 Finishes: Pure, Silver, Gold and Rose Gold.

Radio frequency	433,42 MHz
Protection index	IP 30
Dimensions	W 42 x H 135 x D 14mm

Pure RTS - Ref. 1811420

Silver RTS - Ref. 1811421

Gold RTS - Ref. 1811436

Rose Gold RTS - Ref. 1811435

Telis 6 Chronis RTS



- 6 channels radio remote with a timer function.
- To control 6 blinds or/and groups of motorized blinds.
- Up, Down & stop Functions.
- Favorite position «my».

2 finishes

Pure and Silver

Radio frequency

433,42 MHz

Protection index

IP 30

Dimensions

151 x 47 x 18 mm

Pure RTS - Ref. 1805215

Silver RTS - Ref. 1805216

Telis 16 RTS



- 16 channels radio remote.
- To control 1 blind or several motorized blinds by room, by façade, by storey... by creating up to 16 groups.
- Up, Down & stop Functions.
- Favorite position «my».

2 finishes

Pure and Silver

Radio frequency

433,42 MHz

Protection index

IP 30

Dimensions

151 x 47 x 18 mm

Pure - Ref. 1811079

Silver - Ref. 1811080

Dynamic insulation Automatism

Sunis WireFree™ RTS



Radio sensor that will automatically extend a screen / awning based on a preset amount of sunlight. Powered connection not required.

Radio frequency

433.42 MHz

Supplied with wall mount & screws

Protection index

IP 44

Dimensions

Ø100 x 50 mm

Ref. 9013075

RS485 Transmitter



Motor controller for RTS motors and receivers. It converts RS485 Somfy commands, coming from home control systems, into RTS orders.

Functions with motors/receivers: open, close, stop, go/record/delete a favourite position, activate/deactivate the sun protection, open the programming mode, tilt up and down.

Functions with RTS lighting receivers: ON< OFF, go/record/delete a favourite light level, open the programming mode, dim up and down.

Frequency

From 90 V to 255 V AC
50/60 Hz

Amps

65mA at 90V to 30 mA at 255V

RTS transmitter

433.42 MHz - 200 m free field
20 m between 2 concrete walls

Connectors

RS485: 4 pin
Dry contact: up to 5 3-pin 3.5 mm detachable terminal blocks
External antenna

Operating temperature

0°C / +60°C

Protection Index

IP 20

Number of channels

16 channels

Ref. 1810803

4 AC motor controller

Full movement control

Moco Controller

The 4 AC Motor Controller is the local user, the interface between the Building Controller and 4 motorised blinds or windows. Its enlarged functionalities enable to take advantage of the benefits of each end product.

Its main function is to manage the priorities between the Building Controller and the local controls according to the functioning mode: User comfort, Energy saving 4AC Motor Controller or Performance mode.



Technical specifications

Supply	Voltage	220 VA - 240 VAC
		100 VAC - 120 VAC
	Frequency	50 Hz - 60 Hz
	Max. operating current (primary)	26 mA (230 VAC)
		52 mA (110 VAC)
Mechanical Data	Max. motors current consumption	4 x 3.15 A (230 VAC)
		4 x 6.30 A (110 VAC)
	Housing	Wall mounted Din Rail mounted
	Length / Height / Width	255 mm / 63 mm / 180 mm 12 TE=210 mm / 63 mm / 90 mm
	Weight	1020 g 650 g
	Plastic	Type: CC-ABS polycarbonat
Protection Class		mass: 570 g mass: 210 g
	Housing material	Recyclable
Protection Class	IP20	
Operating elements	Configuration mode & Reset pushbutton	
Inputs / Outputs	Short circuit secured	
Local Controls	Remote control module	
Fuses	Thermal fuse	Self resetable fuse or Polyswitch
	Per output	4 fuses F3,15AH (230 VAC)
		4 fuses F6,3AH (110 VAC)
Temperature ranges	Operating temperature	0°C to 45°C
	Storage temperature	-20°C to 70°C
	Relative humidity	85%
EMC	EN 60 730-1	
Standards Compliance	EN 60 730-, IEC 730 (electric safety devices), EN 60 721-3-1/2	
Approvals	ENEC 10, UL	

Receivers

Secu-one receiver



- Push button on box
- Removable bottom part of the box for an easier connection step
- 3 radio and wire working mode
 - Impulse up and down
 - Impulse up and hold to run down
 - Automatic closure
- Compatible with 230 V - 50Hz and 220V - 60 Hz
- Easy programming by Dip switches

Technical specifications

Power supply	230 V - 50 Hz / 220V - 60 Hz
1 single phase motor up to 1200 W	
12 V DC for 1 safety accessory	
Safety contact for closing security	
Wiring push button and/or wiring key switch (sequential mode only)	
Memory capacity	Up to 31 codes Keytis & secure
Programming codes/setting functions	Self-teaching stores the function code
Antenna	Built-in
Operating temperature	0°C / 70°C

Ref. P9CTRL0570 / 1850060

Standard receiver RTS



Receiver for controlling any automatic device using an RTS remote control

Ref. 1841022

Outputs	Number	2
	Type	Dry contact - NO
	Activation	Pulse
Number of remote controls		16 channels maximum/output
Control mode		Sequential
Power supply		20-40 Vdc / 20-28 Vac
Switching power		3 A
Electrical insulation		Class III - Very low safety voltage
Size (H x l x th)		110 x 110 x 40 mm
Operating temperature		-20°C to +70°C
Index of protection		IP 55

Dry contact receiver RTS



Ref. 1841102

Outputs	Number	1
	Type	1250 W maximum
	Activation	Pulse
Number of remote controls		32 channels
Control mode		Sequential
Power supply		230 V - 50/60 Hz
Switching power		6 A
Electrical insulation		Class III - Very low safety voltage
Size (H x l x th)		110 x 110 x 40 mm
Operating temperature		-30°C to +60°C
Index of protection		IP 55

Safety edge solutions and anti-fallback devices are not included in the kits. Please refer to the corresponding pages.

Lighting receiver

Indoor micro lighting radio receiver



Ref. 1811251

Dimensions (L x H x P)	41 x 45 x 19 mm
Installation	Wall switch box or junction box
Protection index	IP 20
Operating temperature	-20°C to +55°C
Power supply	230 V-50/60 Hz or 120V - 60 Hz
Max. Power	500 W
Radio range	50 m

Rolling shutter receiver

Shutter in wall receiver RTS



Ref. 1811244

Dimensions (L x H x P)	41 x 45 x 19 mm
Installation	Switch box
Protection index	IP20 (interior)
Operating temperature	-20°C to +55°C
Motor Output	3A max. 240V 3.4A max 120V
Frequency	433,42 MHz
Radio range	50m
Power supply	230 V-50/60 Hz or 120V - 60 Hz



Composing a

Rolling garage

door solution

1. Receiver



2. Safety edge solution

WIRELESS

Optical



Optical safety edge transmitter

+



Optical cells + rubber profile

Resistive



Resistive safety edge transmitter

+



Rubber profile + contact strip

WIRED

Optical



Optical connection kit

+



Optical cells + rubber profile

Resistive



Resistive connection kit

+



Contact strip + rubber profile

3. Motor and anti-fallback device



RDO CSI $\varnothing$ 50 and $\varnothing$ 60

Anti-fallback device
79 Nm, 95 Nm, 147 Nm



Rollix Optimo for

Rolling garage doors



Universal receiver for customized, open-ended installation

Applications:

- > For metallic rolling shutters or grills
- > For markets non following CE standards or for shutters without people crossing (radio without safety accessories)

Features

- > Radio Receiver + entry for wired key switch + remote control
- > For single phase motors up to 1250W (all T6/T8 and central motors)
- > No possibility to plug security accessories

Advantages

- > Economical radio solution

Reference: 1841102

Main accessories



Wall switch 3 RTS

Ref. 1870782



Keygo RTS

Ref. 1841118



Keypad 2 RTS

Ref. 1870917

Rollixo RTS, Complete solution for

Rolling garage doors

Complete solution for rolling garage doors



Control buttons and immediate diagnosis on front panel

Complete system for a quick and fully mastered installation

Simple and immediate starting-up

- > Wireless safety edge: no wiring between the receiver and the safety edge
- > Fast plug in for mains power supply and accessories connection
- > Immediately operational
- > Factory pre-programmed remote controls

Mastered installation, guaranteed efficiency

- > Real-time indication of each installation step for every system component
- > Motor end-limits setting
- > Motor direction of rotation setting
- > System tolerant to uneven floor

Immediate diagnosis, guaranteed serenity

- > Real-time indication of each system component status: motor and anti-fallback device, safety edge, photocells

Universal solution to answer any installation case

- > Compatible with all safety edges:
 - wireless or wired
 - optical or resistive
- > Compatible with all Somfy RDO CSI motors
- > Wide range of safety and comfort accessories

Garage door securisation

- > Detection of burglary attempt by lifting the door and triggering of the alarm buzzer (100dB)

Maximum comfort of use

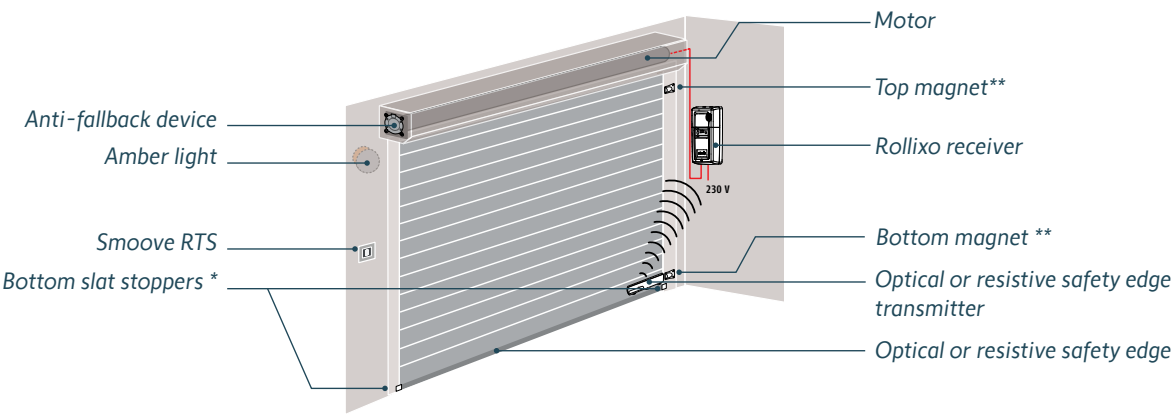
- > Remote operation with TaHoma®
- > Control buttons on front panel
- > Built-in courtesy light
- > Battery powered wireless safety edge transmitter: 5-year battery lifetime
- > Automatic switch to safe control mode (dead man) in case of security device failure

Packs

				Packs per pallet
Wall switch 3 RTS	Rollixo RTS receiver	Keygo RTS	Alarm buzzer Rollixo	
Ref. 1870782	Ref. 1782563	Ref. 1841064	Ref. 9017832	
Rollixo RTS				
Ref. 1841163	1	12x	-	50

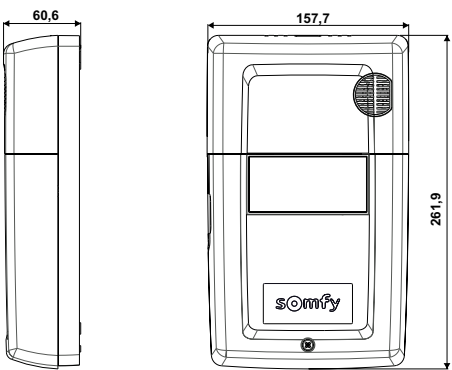
Safety edge solutions and anti-fallback devices are not included in the kits.
Please refer to the corresponding pages.

Standard installation



* if optical safety edge
** if wireless resistive safety edge

General overall size



Technical specifications

Mains power supply	230 V - 50/60 Hz
Electrical insulation	Class 1
Maximum motor power	230 V - 750 W
RTS radio frequency	433.42 MHz
Number of remote controls	32 channels maximum
Operating temperature	-20°C to +60°C
Index of protection	IP 20
Integrated lighting	230 V - 25 W maximum - E14

Safety inputs	3 dry contact inputs NC for: - Wired safety edge: optical or resistive - Anti-fallback device - Photocells
Wired control input	Dry contact NO
Amber light	Low power LED amber light only: 24V - 4 W maximum

Main accessories



Amber light Master Pro
24 V LED

Ref. 9017842



Safety edge transmitter

Ref. 1781245 (Optical safety edge transmitter)
Ref. 1780798 (Resistive safety edge transmitter)



Anti-fallback device 79 Nm

Ref. 1780789



Anti-fallback device 95 or 147
Nm

Ref. 1782097 and 1782098 (95 Nm)
Ref. 1782099 and 1782100 (147 Nm)



About Somfy

For more than 50 years, Somfy has been driving durable positive motion as a pioneer in window and door automation. Developed with comfort, ease of use, security and sustainability in mind, our seamless and connective solutions are designed to help people make the move to living spaces impactful or humans and impactless on nature.

A BRAND OF **SOMFY** GROUP



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