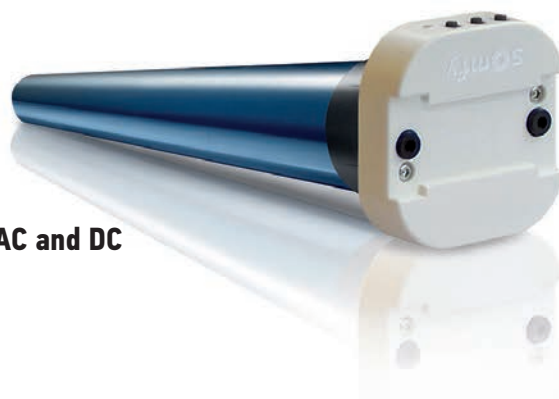


500 Series

Databook



Sonesse® ULTRA 50 AC and DC

Why Somfy?

Somfy is the leading global manufacturer of strong, quiet, motors with electronic and app controls for interior and exterior window coverings. Over 270 million users worldwide enjoy the more than 150 million motors produced since 1980. For more than four decades, Somfy engineers have designed products for both the commercial and residential markets to motorize window coverings such as interior shades, wood blinds, draperies, awnings, rolling shutters, exterior solar screens and projection screens. Somfy motorization systems are easily integrated with security, HVAC and lighting systems, providing total home or building automation.

Somfy has a committed customer support team comprised of Somfy motor and control specialists available for assistance:

Somfy Corporate Headquarters

800-22-SOMFY (76639)

General Customer Service

877-210-5327

CustomerService_us@somfy.com

Standard Purchase Order

Ordering_us@somfy.com

Rush Purchase Order

ExpeditedShippingOrders_us@somfy.com

Accounting Inquiries

AccountsReceivable@somfy.com

Technical Support

877-233-0019

TechnicalSupport_us@somfy.com

Warranty Claim Requests

us_Return@somfy.com

- Somfy has a production capacity of more than 70,000 motors per day.
- Somfy motors have over 600 standards approvals worldwide.
- Somfy has certified over 100 patents since the year 2000.
- Every Somfy motor goes through an extensive quality assurance process including testing in extreme environmental conditions, for electrostatic discharge, mechanical shock, and high life cycle.
- Somfy has a network of 15,000 trained professional installers throughout the world.



Somfy operates in 60 countries, with 76 subsidiaries, and 60 agencies spread across 5 continents. With 8 production centers, Somfy is an efficient and reactive industry leader. Thanks to its strict quality standards, Somfy is able to satisfy the needs of over 270 million users worldwide.



Somfy understands that training and support are critical to success. Somfy's Expert Program provides a platform for those who want to enhance their expertise of Somfy motorization and control solutions. Contact Somfy directly or visit [somfysystems.com/expert-program](https://www.somfysystems.com/expert-program) to learn more.

TABLE OF CONTENTS

SOMFY'S 500 SERIES MOTOR RANGE

Introduction	2-3
--------------------	-----

SONESSE® 50 MOTOR RANGE SPECIFICATION SHEETS

Sonesse® ULTRA 50 RA	4
Sonesse® 50 RA	5
Sonesse® 50 PA & PS	6
Sonesse® ULTRA 50 RTS	7
Sonesse® ULTRA 50 DC RTS	8
Sonesse® 50 RTS	9
Sonesse® 50 DCT	10
Sonesse® ULTRA 50 RS485	11
Sonesse® ULTRA 50 DC RS485	12
Sonesse® 50 RS485	13

LT50 MOTOR RANGE SPECIFICATION SHEETS

LT50 RA	14
LT50 RA CMO	15
LT50 PA	16
LT50 Altus® RTS	17
LT50 RTS CMO	18
LT50 OREA® RTS	19
OXIMO™ 50 RTS	20
SUNEA® RTS CMO	21
LT50 DCT	22
LT50 RS485	23

CONTROL ACCESSORIES

Radio Technology Somfy® (RTS)	24-25
Digital Motor Interfaces	26
animeo® IP	26
Wired Controls and Switches	26-27

HARDWARE SYSTEMS, LIGHT GAP SPECIFICATIONS & BRACKET PROJECTIONS

Somfy 2" System	28
Somfy CTS 50 mm System	29
Acmeda®	30-31
RollEase® Silent Pin	32
ZMC® Fascia & Cassette Solutions	33-34

MECHANICAL ACCESSORIES

Motor Brackets	35-37
Idler Brackets	38
End Caps	39
Intermediate Brackets	40
Rigid Links	40
Miscellaneous	41
CMO Mechanical Accessories	42
Crowns and Drives	43-46
Standard and CMO Product Kits	47

Acmeda® is a registered trademark of Acmeda International Group Incorporated

RollEase® is a registered trademark of RollEase® Inc. - Stamford, CT.

ZMC® is a registered trademark of ZMC® Window Coverings

Z-Wave® is a registered trademark of Zensys, Inc. and its subsidiaries

ZigBee® is a registered trademark of ZigBee Alliance

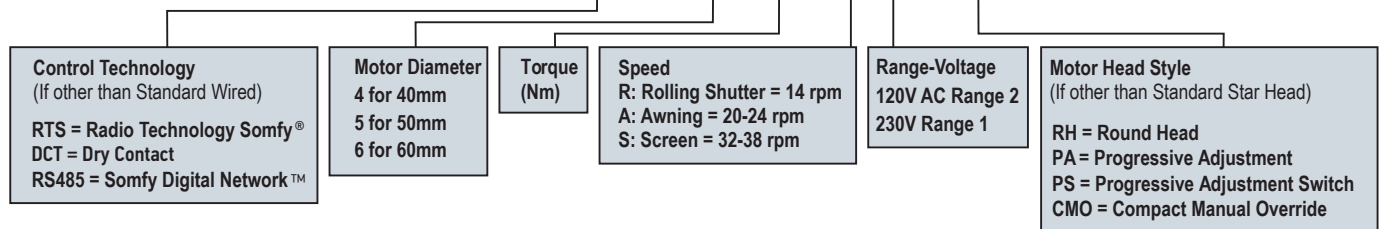
iPad® and iPhone® are registered trademarks of Apple, Inc.

Amazon, Alexa, and all related logos are the trademarks of Amazon.com, Inc. or its affiliates

Somfy's 500 Series Motor Range

MOTOR IDENTIFICATION KEY

Sonesse® RTS 510 S 2 RH



SOMFY DESIGNED FOR SILENCE - Quietness Scale



Somfy
DESIGNED FOR
SILENCE

The Sonesse® range of motors are rated according to their quietness. The volume scale below appears on all Sonesse range specification pages and designates the motor's level of sound output.



SOMFY TECHNOLOGIES



Radio Technology Somfy

Radio Technology Somfy® (RTS) allows wireless radio control of motorized applications via the RTS family of controls.



Wired Technology

Offers control via standard AC switching.



Dry Contact

Is a dry contact input for a basic low voltage control.



IR-Infrared

By simply plugging an IR sensor to the control input, DCT can be immediately controlled by any Somfy IR remote without any configuration operation.

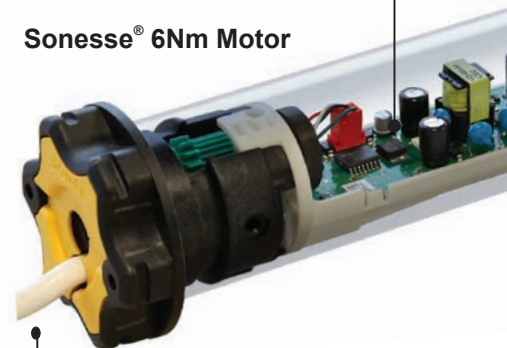


RS485

RS485 is another control method that uses a two-wired bus. Due to the open source nature of the RS485 protocol, many building management systems and home automation systems use this protocol to communicate to devices. Systems that use the RS485 connection can be programmed to Somfy RS485 motors or controllers to operate the installation.

Electronic Limit Switch
Unit with Integrated RTS

Sonesse® 6Nm Motor



Includes Somfy patented antenna that is integrated into the power cord for enhanced reception.



As with all Somfy motors and controls, our motors are backed by a 5 year warranty.

WHY CHOOSE SOMFY'S SONESSE® RANGE?

Quiet and Strong:

- Stronger torque for larger applications including multi-banded/ coupled window coverings
- *Uniform quiet operation in both the up and down directions under 40dBA

Wide Range of Solutions:

- Interior and exterior applications
- Residential and commercial markets
- RTS, wired and RS485 integrated network options

Simplified Fabrication and Installation:

- Utilizes existing fabrication methods on the market today
- Compatible with leading industry hardware solutions
- Can be installed in 6 different orientations
- Advanced design enables simple "Snap-On" connection for roller tube adaptors

Streamlined Programming:

- RTS limits set via radio transmitter
- Wired simple push-button limit setting
- Improved RS485 commissioning process:
 - Motor auto discovery
 - Motor position feedback
 - Compatible with Somfy's animeo® IP system
 - Backward compatibility provides seamless integration with existing Somfy Digital Network projects
 - Multiple intermediate positions
 - Collision detection

Superior Quality:

- Motors undergo rigorous endurance, acoustic, radio, mechanical, electrical and safety tests in our 65,000 sq. ft. quality control and testing facility
- More than 600 approved standards worldwide
- Manufactured and sold over 150 million motors

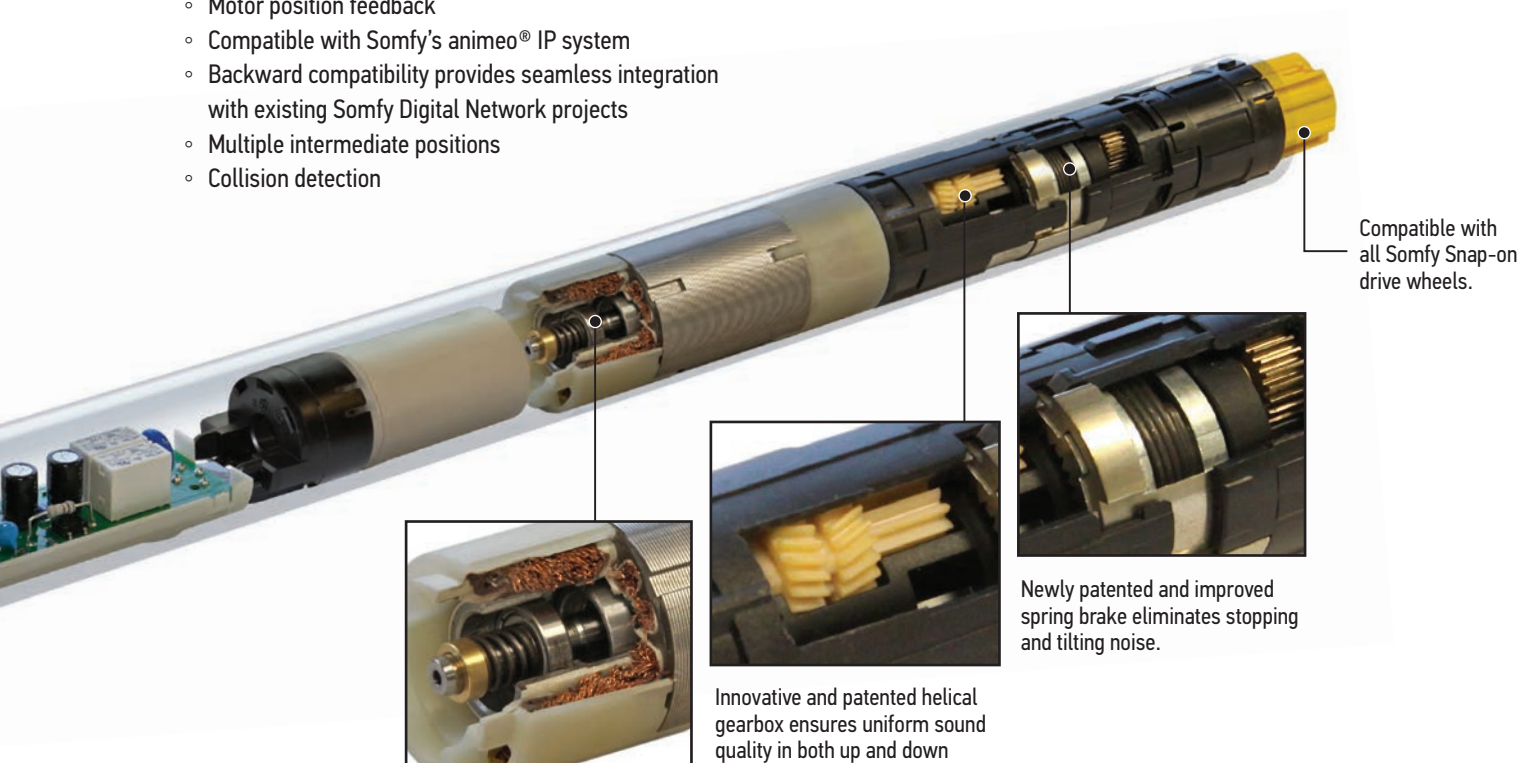
Simple Electrical Connection:

- Available with UL approved 5 - 15P NEMA plug-in motor cable
- Plug-in option eliminates the need for an electrician
- Motor cable length can be customized to meet your installation requirements.

All Somfy Motors are UL and CSA Recognized

- All SOMFY motors are UL Recognized and can be found under the following file numbers:

E60495, E60888, E63714



A newly patented, asynchronous, high quality, maintenance-free motor that provides perfect rotary part alignment supported by roller bearings.

Innovative and patented helical gearbox ensures uniform sound quality in both up and down directions.

Newly patented and improved spring brake eliminates stopping and tilting noise.

- According to standards ISO 3741 NF 31022 in dBA ref 1pW at nominal torque without end product.

Sonesse® ULTRA 50 RA

Star Head and Round Head Motors (rapid limit adjustment)

506A2 1002558
506A2RH 1002560



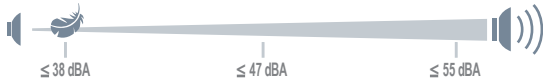
Offers control via power switching

Technical Features

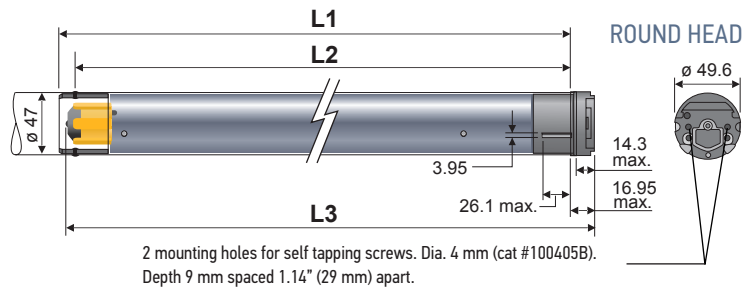
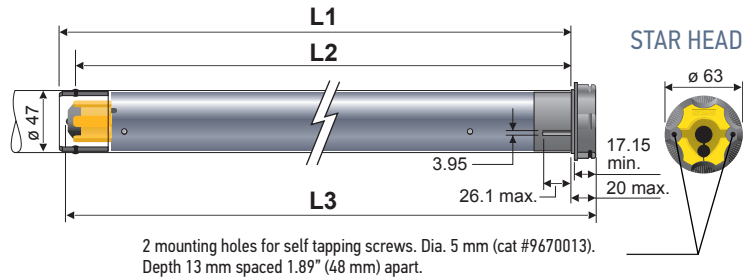
Voltage Supply	120V AC, 60Hz
Index Protection Rating	506 - IP 31 (interior use)
Limit Switch Type	Rapid Adjustment RA
Limit Switch Capacity	46 Turns
Temperature Working Range	506: 32°F to 140°F (0°C to 60°C) (interior use only)
Insulation Class	Class 1 for 120V AC
Wiring	Do not parallel wire.

Specifications

Torque	6 Nm
* Minimum Torque	0.4 Nm
Nominal Voltage	120V / 60Hz
Rated Current	.95A
Speed	24 rpm
Thermal Protection	4 minutes
**Sound Level	≤ 38 dBA



Dimensions



Dimensions

L1	30.8 in. (783 mm)
L2	30.3 in. (769 mm)
L3	SH 31.4 in. (798 mm) RH 31.3 in. (795 mm)
SJTW Power Cable Length	9.8 ft. (3 m)

*** Minimum Torque:** Minimum application weight to ensure smooth operation.

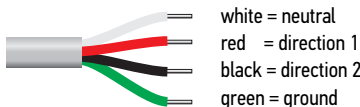
**** Sound Level:** According to standards ISO 3741 NF 31022 in dBA ref 1pW at nominal torque without end product.

Fabrication Recommendations:

- Operational noise level is reduced when motor, tube, and mechanical accessories are properly adapted to motorized applications.
- Free play must be minimized between the accessories and the end product tube to ensure quiet performance of the motor. Due to the variances of standard aluminum extrusion tolerances, it is recommended to screw the drive wheel & pin end to immobilize them and ensure quiet performance throughout the life of the product.
- Interior Tube Diameter (ID) > 47 mm must be respected.
- A motor crown adaptor between motor and end product tube is required to ensure concentric operation of motor.
- 500 Series Drive Stop and Screw (9910004) is recommended to prevent noise and drive wheel separation from motor shaft. This drive stop screw must be tightened with a torque ranging between 1.5Nm and 1.8Nm.
- Somfy Soft Clip Drive Wheel Adaptors (brown in color) are not recommended.

Type of power cable

Wired
120V AC / 60Hz
4 conductor cable



Sonesse® 50 RA

Star Head and Round Head Motors (rapid limit adjustment)

506S2 1001814 **506S2RH** 1001812
510S2 1001813 **510S2RH** 1001810



Somfy
DESIGNED FOR
SILENCE

CAI^{us}



Offers control via power switching

Technical Features

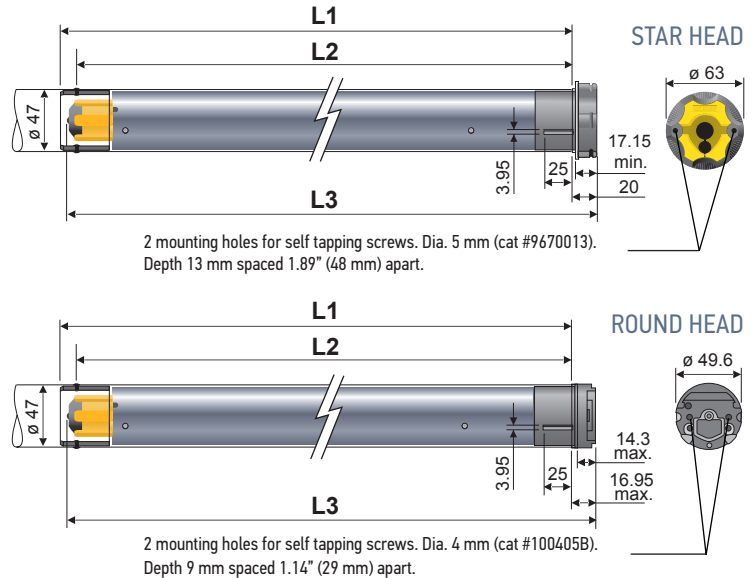
Voltage Supply	120V AC, 60Hz
Index Protection Rating	IP 44 (interior and exterior use)
Limit Switch Type	Rapid Adjustment RA
Limit Switch Capacity	46 Turns
Temperature Working Range	-4°F to 158°F (-20°C to 70°C) (interior and exterior use)
Insulation Class	Class 1 for 120V AC
Wiring	Do not parallel wire.

Specifications

	506	510
Torque	6 Nm	10 Nm
Nominal Voltage	120V / 60Hz	120V / 60Hz
Rated Current	1.2A	1.67A
Speed	32 rpm	32 rpm
Thermal Protection	4 minutes	4 minutes
*Sound Level	≤ 45 dBA	≤ 47 dBA



Dimensions



Dimensions	506	510
L1	23.7 in. (603 mm)	23.7 in. (603 mm)
L2	23.2 in. (590 mm)	23.2 in. (590 mm)
L3	SH 24.3 in. (616 mm) RH 24.1 in. (613 mm)	SH 24.3 in. (616 mm) RH 24.1 in. (613 mm)
SJTW Power Cable Length	9.8 ft. (3 m)	9.8 ft. (3 m)

* Sound Level:

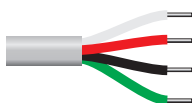
According to standards ISO 3741 NF 31022 in dBA ref 1pW at nominal torque without end product.

Fabrication Recommendations:

- Operational noise level is reduced when motor, tube, and mechanical accessories are properly adapted to motorized applications.
- Free play must be minimized between the accessories and the end product tube to ensure quiet performance of the motor.
- Interior Tube Diameter (ID) > 47 mm must be respected.
- A motor crown adaptor between motor and end product tube is required to ensure concentric operation of motor.
- 500 Series Drive Stop and Screw (9910004) is recommended to prevent noise and drive wheel separation from motor shaft.
This drive stop screw must be tightened with a torque ranging between 1.5Nm and 1.8Nm.
- Somfy Soft Clip Drive Wheel Adaptors (brown in color) are not recommended.

Type of power cable

Wired
120V AC / 60Hz
4 conductor cable



white = neutral
 red = direction 1
 black = direction 2
 green = ground

Sonesse® 50 PA & PS

(Progressive Limit Adjustment)

506S2PA 1001801 **506S2PS** 1001800
510S2PA 1002323 **510S2PS** 1002324



Somfy
DESIGNED FOR
SILENCE

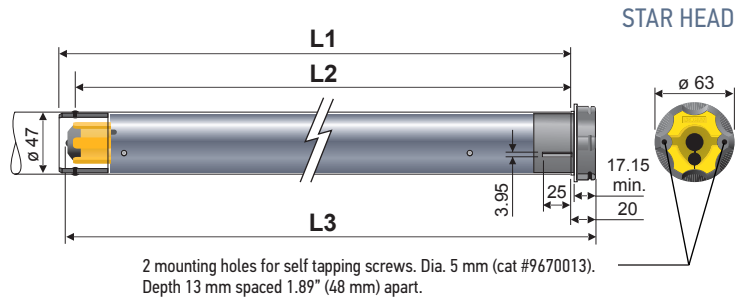


Offers control via
power switching

Technical Features

Voltage Supply	120V AC, 60Hz
Index Protection Rating	IP44 (interior and exterior use)
Limit Switch Type	Progressive Adjustment PA
Limit Switch Capacity	29 Turns
Temperature Working Range	-4°F to 140°F (-20°C to 60°C) (interior and exterior use)
Insulation Class	Class 1 for 120V AC
Wiring	Do not parallel wire.

Dimensions



Dimensions	506S2PA	506S2PS**	510S2PA	510S2PS**
L1	23.74 in. (603 mm)	23.74 in. (603 mm)	23.74 in. (603 mm)	23.74 in. (603 mm)
L2	23.23 in. (590 mm)	23.23 in. (590 mm)	23.23 in. (590 mm)	23.23 in. (590 mm)
L3	24.25 in. (616 mm)	24.25 in. (616 mm)	24.25 in. (616 mm)	24.25 in. (616 mm)
Cable Length	5 in. (.12 m)	5 in. (.12 m)	5 in. (.12 m)	5 in. (.12 m)

Specifications

	506S2PA	506S2PS**	510S2PA	510S2PS**
Torque	6 Nm	6 Nm	10 Nm	10 Nm
Nominal Voltage	120V / 60Hz	120V / 60Hz	120V / 60Hz	120V / 60Hz
Rated Current	1.2A	1.2A	1.67A	1.67A
Speed	32 rpm	32 rpm	32 rpm	32 rpm
Thermal Protection	4 minutes	4 minutes	4 minutes	4 minutes
*Sound Level	≤ 45 dBA	≤ 45 dBA	≤ 47.2 dBA	≤ 47.2 dBA



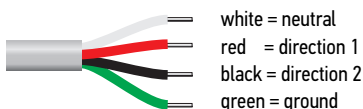
* **Sound Level:** According to standards ISO 3741 NF 31022 in dBA ref 1pW at nominal torque without end product.

Fabrication Recommendations:

- Operational noise level is reduced when motor, tube, and mechanical accessories are properly adapted to motorized applications.
- Free play must be minimized between the accessories and the end product tube to ensure quiet performance of the motor.
- Interior Tube Diameter (ID) > 47 mm must be respected.
- A motor crown adaptor between motor and end product tube is required to ensure concentric operation of the motor.
- 500 Series Drive Stop and Screw (9910004) is recommended to prevent noise and drive wheel separation from the motor shaft.
This drive stop screw must be tightened with a torque ranging between 1.5Nm and 1.8Nm.
- Somfy Soft Clip Drive Wheel Adaptors (brown in color) are not recommended.

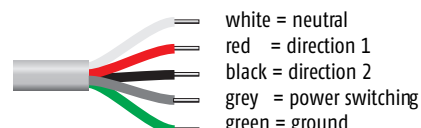
Type of power cable PA

Wired
120V AC / 60Hz
4 conductor cable



Type of power cable PS

Wired
120V AC / 60Hz
5 conductor cable



**Progressive Limit Adjustment with external power switching capability when limit is reached.

Sonesse® ULTRA 50 RTS

Star Head and Round Head Motors

506A2 1002562
506A2RH 1002564



Radio Technology Somfy (RTS) allows for wireless radio control of motorized window coverings via the RTS family of controls.

Technical Features

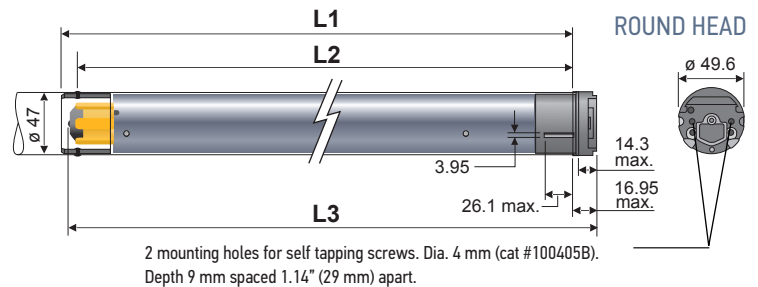
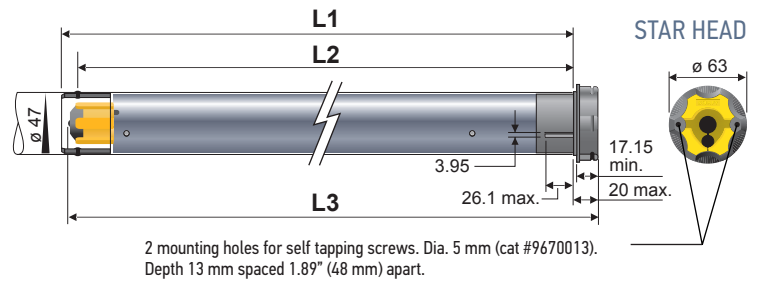
Voltage Supply	120V AC, 60Hz
Index Protection Rating	IP 31 (interior use)
Limit Switch Type	Electronic RTS
Limit Switch Capacity	250 Turns
Temperature Working Range	32°F to 140°F (0°C to 60°C) (interior use only)
Insulation Class	Class 1 for 120V AC
Antenna	Integrated into power cord. Power cord must be at least 12 inches and must not come in contact with metal.
Wiring	Parallel wiring allowed in accordance with NEC and local electrical codes.

Specifications

Torque	6 Nm
* Minimum Torque	0.4 Nm
Nominal Voltage	120V / 60Hz
Rated Current	.95A
Speed	24 rpm
Thermal Protection	4 minutes
Radio Frequency	433.42 MHz
**Sound Level	≤ 38 dBA



Dimensions



Dimensions

L1	31.8 in. (808 mm)
L2	31.3 in. (795 mm)
L3	SH 32.4 in. (823 mm) RH 32.3 in. (820 mm)
SJTW Power Cable Length	9.8 ft. (3 m)

Optional cables with NEMA plugs available in 3 ft, 6 ft, 10 ft, 12 ft, 18 ft, 24 ft.

*** Minimum Torque:** Minimum application weight to ensure smooth operation.

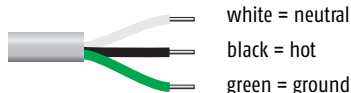
**** Sound Level:** According to standards ISO 3741 NF 31022 in dBA ref 1pW at nominal torque without end product.

Fabrication Recommendations:

- Operational noise level is reduced when motor, tube, and mechanical accessories are properly adapted to motorized applications.
- Free play must be minimized between the accessories and the end product tube to ensure quiet performance of the motor. Due to the variances of standard aluminum extrusion tolerances, it is recommended to screw the drive wheel & pin end to immobilize them and ensure quiet performance throughout the life of the product.
- Interior Tube Diameter (ID) > 47 mm must be respected.
- A motor crown adaptor between motor and end product tube is required to ensure concentric operation of motor.
- 500 Series Drive Stop and Screw (9910004) is recommended to prevent noise and drive wheel separation from motor shaft. This drive stop screw must be tightened with a torque ranging between 1.5Nm and 1.8Nm.
- Somfy Soft Clip Drive Wheel Adaptors (brown in color) are not recommended.

Type of power cable

RTS
120V AC / 60Hz
3 conductor cable



Sonesse® ULTRA 50 DC RTS

Square Head Motor

504A8 1134023

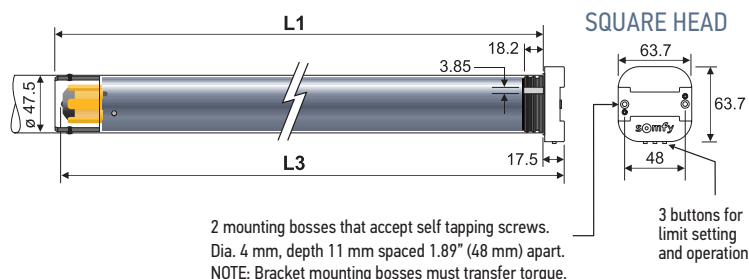


Radio Technology Somfy (RTS) allows for wireless radio control of motorized window coverings via the RTS family of controls.

Technical Features

NEW Sleep Mode	New feature that allows for advanced programming and grouping.
Voltage Supply	24V DC
Index Protection Rating	IP 20 (interior use)
Limit Switch Type	Electronic
Limit Switch Capacity	38 Turns
Temperature Working Range	32°F to 140°F (0°C to 60°C) (interior use only)
Insulation Class	Class 3
Wiring	In accordance with NEC and local electrical codes.
Power Supply	Use only Somfy's power supplies to maintain UL listing requirements and guarantee motor's performance.

Dimensions



Dimensions

L1	30.7 in. (780 mm)
L3	31.5 in. (800 mm)
Data & Power Cable Length	10 in. (250 mm)

Specifications

- * **Minimum Torque:** Minimum application weight to ensure smooth operation.
- ** **Sound Level:** According to standards ISO 3741 NF 31022 in dBA ref 1pW at nominal torque without end product.



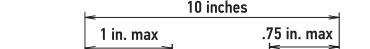

Fabrication Recommendations:

- Operational noise level is reduced when the motor, tube, and mechanical accessories are properly adapted to motorized applications.
- Free play must be minimized between the accessories and the end product tube to ensure quiet performance of the motor.
- Due to the variances of standard aluminum extrusion tolerances, it is recommended to screw the drive wheel & pin end to immobilize them and ensure quiet performance throughout the life of the product.
- Interior Tube Diameter (ID) > 47 mm must be respected.
- A motor crown adaptor between motor and end product tube is required to ensure concentric operation of the motor.
- 500 Series Drive Stop and Screw (9910004) is recommended to prevent noise and drive wheel separation from the motor shaft.
This drive stop screw must be tightened with a torque ranging between 1.5Nm and 1.8Nm.
- Somfy Soft Clip Drive Wheel Adaptors (brown in color) are not recommended.

Torque	4 Nm
* Minimum Torque	0.4 Nm
Nominal Voltage	24V DC
Rated Current	1.5A
Speed	10-25 Adjustable
Thermal Protection	5 minutes
** Sound Level	≤ 38 dBA



Power Pigtail Cable: (Included with every motor. Also available separately, part # 9020005).

JST to Motor	Weidmuller Connects to Network	Cable Detail View	Connector Markings Detail View	Maximum Power Cable Length (to guarantee characteristics)								
 + - + -	 + - + -	 10 inches 1 in. max .75 in. max	Font: Ariel Height: 2.3 mm Color: Black  + - + -	<table><thead><tr><th>GAUGE</th><th>LENGTH</th></tr></thead><tbody><tr><td>14 AWG</td><td>240 ft.</td></tr><tr><td>16 AWG</td><td>150 ft.</td></tr><tr><td>18 AWG</td><td>100 ft.</td></tr></tbody></table>	GAUGE	LENGTH	14 AWG	240 ft.	16 AWG	150 ft.	18 AWG	100 ft.
GAUGE	LENGTH											
14 AWG	240 ft.											
16 AWG	150 ft.											
18 AWG	100 ft.											

Sonesse® 50 RTS

Star Head and Round Head Motors

506S2 1001809 **506S2RH** 1001806
510S2 1001807 **510S2RH** 1001805



Somfy
DESIGNED FOR
SILENCE

AIus



Radio Technology Somfy (RTS) allows for wireless radio control of motorized window coverings via the RTS family of controls.

Technical Features

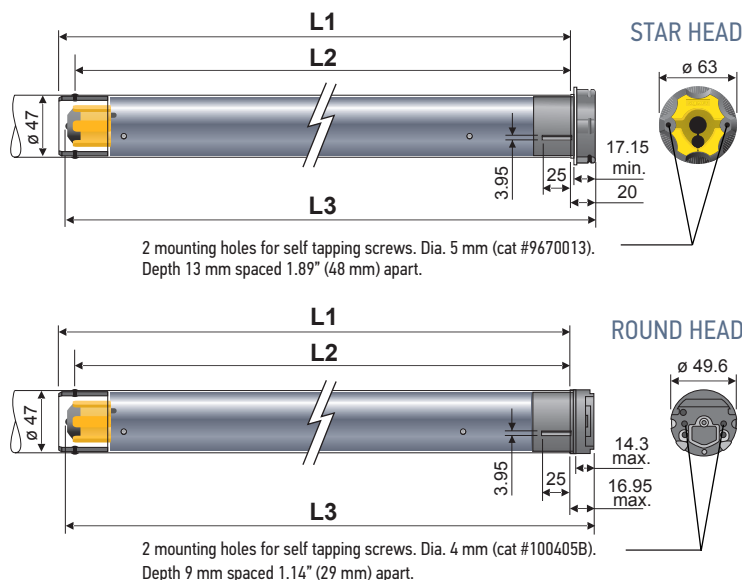
Voltage Supply	120V AC, 60Hz
Index Protection Rating	IP 44 (interior and exterior use)
Limit Switch Type	Electronic RTS
Limit Switch Capacity	250 Turns
Temperature Working Range	-4°F to 158°F (-20°C to 70°C) (interior and exterior use)
Insulation Class	Class 1 for 120V AC
Antenna	Integrated into power cord. Power cord must be at least 12 inches and must not come in contact with metal.
Wiring	Parallel wiring allowed in accordance with NEC and local electrical codes.

Specifications

	506	510
Torque	6 Nm	10 Nm
Nominal Voltage	120V / 60Hz	120V / 60Hz
Rated Current	1.2A	1.67A
Speed	32 rpm	32 rpm
Thermal Protection	4 minutes	4 minutes
Radio Frequency	433.42 MHz	433.42 MHz
*Sound Level	≤ 45 dBA	≤ 47 dBA



Dimensions



Dimensions	506	510
L1	25.7 in. (653 mm)	25.7 in. (653 mm)
L2	25.2 in. (640 mm)	25.2 in. (640 mm)
L3	SH 26.2 in. (666 mm) RH 26.1 in. (663 mm)	SH 26.2 in. (666 mm) RH 26.1 in. (663 mm)
SJTW Power Cable Length	9.8 ft. (3 m)	9.8 ft. (3 m)

Optional cables with NEMA plugs available in 3 ft, 6 ft, 10 ft, 12 ft, 18 ft, 24 ft.

* Sound Level:

According to standards ISO 3741 NF 31022 in dBA ref 1pW at nominal torque without end product.

Fabrication Recommendations:

- Operational noise level is reduced when motor, tube, and mechanical accessories are properly adapted to motorized applications.
- Free play must be minimized between the accessories and the end product tube to ensure quiet performance of the motor.
- Interior Tube Diameter (ID) > 47 mm must be respected.
- A motor crown adaptor between motor and end product tube is required to ensure concentric operation of motor.
- 500 Series Drive Stop and Screw (9910004) is recommended to prevent noise and drive wheel separation from motor shaft.
This drive stop screw must be tightened with a torque ranging between 1.5Nm and 1.8Nm.
- Somfy Soft Clip Drive Wheel Adaptors (brown in color) are not recommended.

Type of power cable

RTS
120V AC / 60Hz
3 conductor cable



white = neutral
 black = hot
 green = ground

Sonesse® 50 DCT

Star Head Motors

506S2 1001804
510S2 1001803



Somfy
DESIGNED FOR
SILENCE



Motors that can be controlled via contact closure (dry contact) or infrared.

Technical Features

Voltage Supply	120V AC, 60Hz
Index Protection Rating	IP 44 (interior and exterior use)
Limit Switch Type	Electronic
Limit Switch Capacity	300 Turns
Temperature Working Range	-4°F to 140°F (-20°C to 60°C) (interior and exterior use)
Insulation Class	Class 1 for 120V AC
Wiring	Parallel wiring allowed in accordance with NEC and local electrical codes.

Specifications

Torque	6 Nm	10 Nm
Nominal Voltage	120V / 60Hz	120V / 60Hz
Rated Current	1.2A	1.66A
Speed	32 rpm	32 rpm
Thermal Protection	4 minutes	4 minutes
*Sound Level	≤ 45 dBA	≤ 47.2 dBA

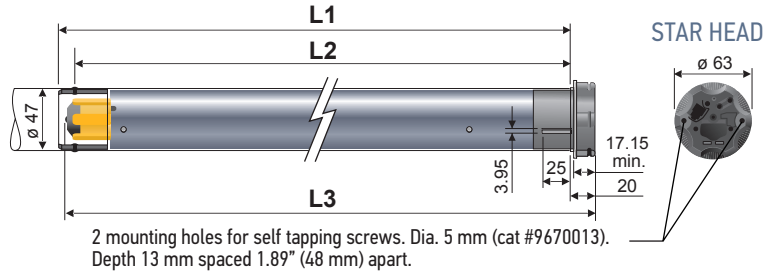


* **Sound Level:** According to standards ISO 3741 NF 31022 in dBA ref 1pW at nominal torque without end product.

Fabrication Recommendations:

- Operational noise level is reduced when motor, tube, and accessories are properly adapted to motorized applications.
- Free play must be minimized between the accessories and the end product tube to ensure quiet performance of the motor.
- Interior Tube Diameter (ID) > 47 mm must be respected.
- A motor crown adaptor between motor and end product tube is required to ensure concentric operation of the motor.
- 500 Series Drive Stop and Screw (9910004) is recommended to prevent noise and drive wheel separation from the motor shaft. This drive stop screw must be tightened with a torque ranging between 1.5Nm and 1.8Nm.
- Somfy Soft Clip Drive Wheel Adaptors (brown in color) are not recommended.

Dimensions

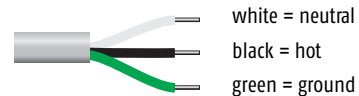


Dimensions

	506	510
L1	25.71 in. (653 mm)	26.49 in. (673 mm)
L2	25.19 in. (640 mm)	25.98 in. (660 mm)
L3	26.22 in. (666 mm)	27.01 in. (686 mm)
Power Cable Length	1.4 ft. (.44 m)	1.4 ft. (.44 m)
Data Cable Length	1 ft. (.3 m) 4 wire	1 ft. (.3 m) 4 wire

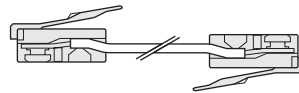
Type of power cable

DCT
120V AC / 60Hz
3 conductor cable



Data Cable

RJ9 Pin Outs



PIN COLOR	4 RED	3 BLUE	2 WHITE	1 YELLOW
Dry Contact	UP	GND	-	DOWN
IR Contact	IR	GND	+5V	-

Optional Data Cables:

DCT white data cable - 1 ft. (.3 m) Part #9209060
DCT white data cable - 5 ft. (1.5 m) Part #9209061
DCT white data cable - 25 ft. (7.5 m) Part #9012343
DCT white data cable - 50 ft. (15 m) Part #9012344

Sonessé® ULTRA 50 RS485

Star Head Motor

506A2 1002566



Somfy
DESIGNED FOR
SILENCE



A new generation of intelligent motors that are controlled and monitored via Somfy Digital Network solutions and animeo® IP total solar management system.

Technical Features

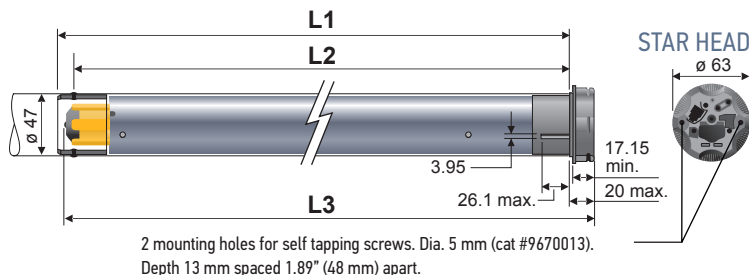
Voltage Supply	120V AC, 60Hz
Index Protection Rating	IP 31 (interior use)
Limit Switch Type	Electronic
Limit Switch Capacity	300 Turns
Temperature Working Range	32°F to 140°F (0°C to 60°C) (interior use only)
Insulation Class	Class 1 for 120V AC
Wiring	Parallel wiring allowed in accordance with NEC and local electrical codes.

Specifications

Torque	6 Nm
* Minimum Torque	0.4 Nm
Nominal Voltage	120V / 60Hz
Rated Current	.95A
Speed	24 rpm
Thermal Protection	4 minutes
**Sound Level	≤ 38 dBA



Dimensions



Dimensions

L1	33.0 in. (838 mm)
L2	32.5 in. (825 mm)
L3	33.6 in. (853 mm)
SJTW Power Cable Length	9.8 ft. (3 m)
Data Cable (must be ordered separately)	Customizable and available in various lengths

Optional cables with NEMA plugs available in 3 ft, 6 ft, 10 ft, 12 ft, 18 ft, 24 ft.

Type of power cable

120V AC / 60Hz
3 conductor cable



* **Minimum Torque:** Minimum application weight to ensure smooth operation.

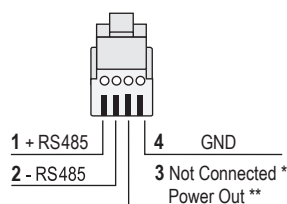
** **Sound Level:** According to standards ISO 3741 NF 31022 in dBA ref 1pW at nominal torque without end product.

Fabrication Recommendations:

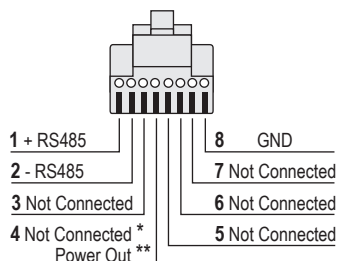
- Operational noise level is reduced when motor, tube, and mechanical accessories are properly adapted to motorized applications.
- Free play must be minimized between the accessories and the end product tube to ensure quiet performance of the motor. Due to the variances of standard aluminum extrusion tolerances, it is recommended to screw the drive wheel & pin end to immobilize them and ensure quiet performance throughout the life of the product.
- Interior Tube Diameter (ID) > 47 mm must be respected.
- A motor crown adaptor between motor and end product tube is required to ensure concentric operation of motor.
- 500 Series Drive Stop and Screw (9910004) is recommended to prevent noise and drive wheel separation from motor shaft. This drive stop screw must be tightened with a torque ranging between 1.5Nm and 1.8Nm.
- Somfy Soft Clip Drive Wheel Adaptors (brown in color) are not recommended.

Data Cable: RJ9/RJ45 (sold separately)

RJ9 connects to motor



RJ45 connects to network



* Data cable (black) for animeo IP networks

** Data cable (grey) for powering external modules

4 Cond. 26AWG modular cable with RJ9 on one end and RJ45 other end - (RTS, Z-Wave®, ZigBee modules)

GREY WITH POWER OUT

2.5 ft. long	#9018545
8 ft. long	#9018546
12 ft. long	#9018547
24 ft. long	#9018548

4 Cond. 26AWG modular cable with RJ9 on one end and RJ45 other end - (SDN - animeo IP)

BLACK WITHOUT POWER OUT

2.5 ft. long	#9018541
8 ft. long	#9018542
12 ft. long	#9018543
24 ft. long	#9018544

Visit somfysystems.com/sdn-2-0 for complete information on SDN 2.0 Bus Distribution Products.

Soness® ULTRA 50 DC RS485

Square Head Motor

504A8 1134022



Somfy
DESIGNED FOR
SILENCE

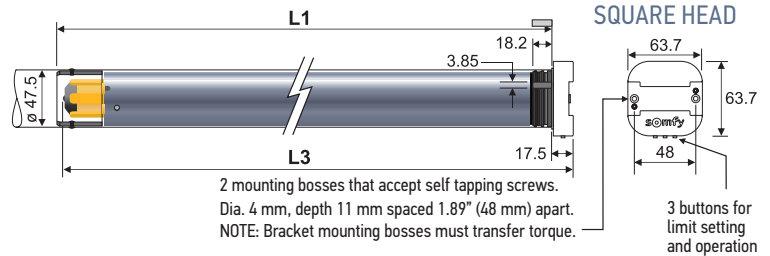


A new generation of intelligent motors that are controlled and monitored via Somfy Digital Network solutions and animeo® IP total solar management system.

Technical Features

Dimensions

Voltage Supply	24V DC
Index Protection Rating	IP 20 (interior use)
Limit Switch Type	Electronic
Limit Switch Capacity	38 Turns
Temperature Working Range	32°F to 140°F (0°C to 60°C) (interior use only)
Insulation Class	Class 3
Wiring	In accordance with NEC and local electrical codes.
Power Supply	Use only Somfy's power supplies to maintain UL listing requirements and guarantee motor's performance.



Dimensions

L1	30.7 in. (780 mm)
L3	31.5 in. (800 mm)
Data & Power Cable Length	10 in. (250 mm)

Specifications

- * Minimum Torque:** Minimum application weight to ensure smooth operation.
- ** Sound Level:** According to standards ISO 3741 NF 31022 in dBA ref 1pW at nominal torque without end product.



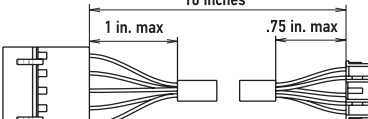
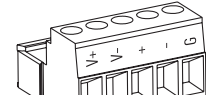
Fabrication Recommendations:

- Operational noise level is reduced when the motor, tube, and mechanical accessories are properly adapted to motorized applications.
- Free play must be minimized between the accessories and the end product tube to ensure quiet performance of the motor.
- Due to the variances of standard aluminum extrusion tolerances, it is recommended to screw the drive wheel & pin end to immobilize them and ensure quiet performance throughout the life of the product.
- Interior Tube Diameter (ID) > 47 mm must be respected.
- A motor crown adaptor between motor and end product tube is required to ensure concentric operation of the motor.
- 500 Series Drive Stop and Screw (9910004) is recommended to prevent noise and drive wheel separation from the motor shaft.
This drive stop screw must be tightened with a torque ranging between 1.5Nm and 1.8Nm.
- Somfy Soft Clip Drive Wheel Adaptors (brown in color) are not recommended.

Torque	4 Nm
* Minimum Torque	0.4 Nm
Nominal Voltage	24V DC
Rated Current	1.5A
Speed	10-25 Adjustable
Thermal Protection	5 minutes
**Sound Level	≤ 38 dBA



Pigtail: Data and Power (Included with every motor. Also available separately, part # 9020004).

JST to Motor	Weidmuller Connects to Network	Cable Detail View	Connector Markings Detail View	Maximum Power Cable Length (to guarantee characteristics)								
 <p>G + - NC V- V+</p>	 <p>V+ V- + - G</p>		 <p>Font: Ariel Height: 2.3 mm Color: Black</p>	<table><tr><th>GAUGE</th><th>LENGTH</th></tr><tr><td>14 AWG</td><td>240 ft.</td></tr><tr><td>16 AWG</td><td>150 ft.</td></tr><tr><td>18 AWG</td><td>100 ft.</td></tr></table>	GAUGE	LENGTH	14 AWG	240 ft.	16 AWG	150 ft.	18 AWG	100 ft.
GAUGE	LENGTH											
14 AWG	240 ft.											
16 AWG	150 ft.											
18 AWG	100 ft.											

Visit somfysystems.com/sdn-2-0 for complete information on SDN 2.0 Bus Distribution Products.

Sonesse® 50 RS485

Star Head Motors

506S2 1002286
510S2 1002287



Somfy
DESIGNED FOR
SILENCE



A new generation of intelligent motors that are controlled and monitored via Somfy Digital Network solutions and animeo® IP total solar management system.

Technical Features

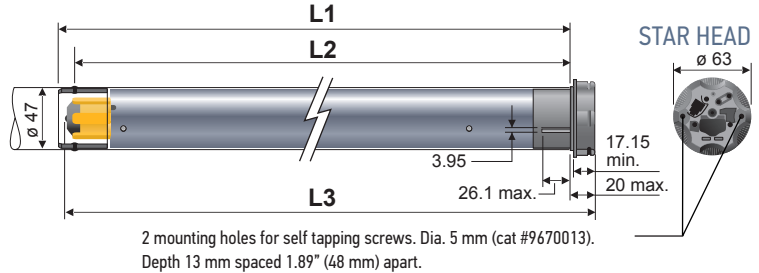
Voltage Supply	120V AC, 60Hz
Index Protection Rating	IP 44 (interior and exterior use)
Limit Switch Type	Electronic
Limit Switch Capacity	300 Turns
Temperature Working Range	-4°F to 158°F (-20°C to 70°C) (interior and exterior use)
Insulation Class	Class 1 for 120V AC
Wiring	Parallel wiring allowed in accordance with NEC and local electrical codes.

Specifications

	506	510
Torque	6 Nm	10 Nm
Nominal Voltage	120V / 60Hz	120V / 60Hz
Rated Current	1.2A	1.8A
Speed	32 rpm	32 rpm
Thermal Protection	4 minutes	4 minutes
*Sound Level	≤ 45 dBA	≤ 47 dBA



Dimensions



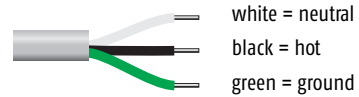
Dimensions

	506	510
L1	25.7 in. (653 mm)	26.5 in. (673 mm)
L2	25.2 in. (640 mm)	26.0 in. (660 mm)
L3	26.2 in. (666 mm)	27.0 in. (686 mm)
SJTW Power Cable Length	9.8 ft. (3 m)	9.8 ft. (3 m)
Data Cable (must be ordered separately)	Customizable and available in various lengths	Customizable and available in various lengths

Optional cables with NEMA plugs available in 3 ft, 6 ft, 10 ft, 12 ft, 18 ft, 24 ft.

Type of power cable

120V AC / 60Hz
3 conductor cable



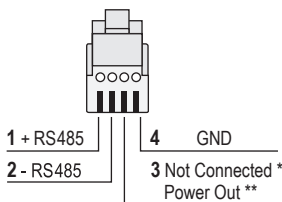
**** Sound Level:** According to standards ISO 3741 NF 31022 in dBA ref 1pW at nominal torque without end product.

Fabrication Recommendations:

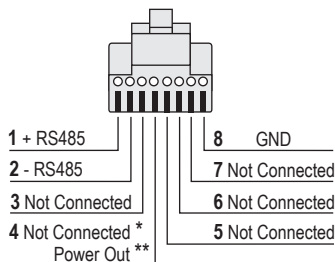
- Operational noise level is reduced when motor, tube, and mechanical accessories are properly adapted to motorized applications.
- Free play must be minimized between the accessories and the end product tube to ensure quiet performance of the motor.
- Interior Tube Diameter (ID) > 47 mm must be respected.
- A motor crown adaptor between motor and end product tube is required to ensure concentric operation of motor.
- 500 Series Drive Stop and Screw (9910004) is recommended to prevent noise and drive wheel separation from motor shaft. This drive stop screw must be tightened with a torque ranging between 1.5Nm and 1.8Nm.
- Somfy Soft Clip Drive Wheel Adaptors (brown in color) are not recommended.

Data Cable: RJ9/RJ45 (sold separately)

RJ9 connects to motor



RJ45 connects to network



* Data cable (black) for animeo IP networks

** Data cable (grey) for powering external modules

4 Cond. 26AWG modular cable with RJ9 on one end and RJ45 other end - (RTS, Z-Wave®, ZigBee modules)

GREY WITH POWER OUT	2.5 ft. long	#9018545
	8 ft. long	#9018546
	12 ft. long	#9018547
	24 ft. long	#9018548

4 Cond. 26AWG modular cable with RJ9 on one end and RJ45 other end - (SDN - animeo IP)

BLACK WITHOUT POWER OUT	2.5 ft. long	#9018541
	8 ft. long	#9018542
	12 ft. long	#9018543
	24 ft. long	#9018544

Visit somfysystems.com/sdn-2-0 for complete information on SDN 2.0 Bus Distribution Products.

LT50 RA

Star Head and Round Head Motors (rapid limit adjustment)

506S2	1032023	525A2	1043024	506S2RH	1032016
510S2	1037036	530R2	1045026	510S2RH	1037026
515A2	1039024	535A2	1047013	515S2RH	1039019
515S2	1039027	540R2	1049042	520R2RH	1041028
520R2	1041026	550R2	1051019	525A2RH	1043025

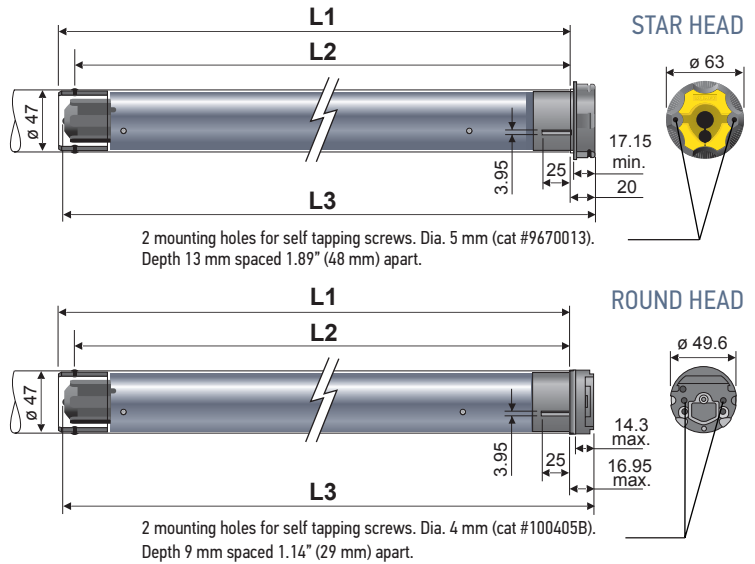


Offers control via power switching

Technical Features

Voltage Supply	120V AC, 60Hz
Index Protection Rating	IP 44
Limit Switch Type	Rapid Adjustment RA
Limit Switch Capacity	46 Turns
Temperature Working Range	14°F to 140°F (-10°C to 60°C)
Insulation Class	Class 1 for 120V AC
Wiring	Do not parallel wire.

Dimensions



Dimensions	506S2	510S2	515A2	515S2	520	525	530	535	540	550
L1	20.67 in. (525 mm)	21.85 in. (555 mm)	20.67 in. (525 mm)	23.82 in. (605 mm)	20.67 in. (525 mm)	21.85 in. (555 mm)	21.85 in. (555 mm)	23.82 in. (605 mm)	23.82 in. (605 mm)	23.82 in. (605 mm)
L2	20.10 in. (510 mm)	21.26 in. (540 mm)	20.10 in. (510 mm)	23.23 in. (590 mm)	20.10 in. (510 mm)	21.26 in. (540 mm)	21.26 in. (540 mm)	23.23 in. (590 mm)	23.23 in. (590 mm)	23.23 in. (590 mm)
L3 (Star Head only)	20.98 in. (533 mm)	22.17 in. (563 mm)	20.98 in. (533 mm)	24.13 in. (613 mm)	20.98 in. (533 mm)	22.17 in. (563 mm)	22.17 in. (563 mm)	24.13 in. (613 mm)	24.13 in. (613 mm)	24.13 in. (613 mm)
L3 (Round Head only)	20.87 in. (530 mm)	22.05 in. (560 mm)		24.02 in. (610 mm)	20.98 in. (533 mm)	22.17 in. (563 mm)				
Cable Length	6.5 ft. (2 m)									

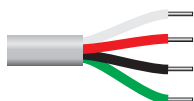
Optional cables available in 6 ft, 10 ft, 12 ft, 24 ft.

Specifications

	506S2	510S2	515A2	515S2	520	525	530	535	540	550
Torque	6 Nm	10 Nm	15 Nm	15 Nm	20 Nm	25 Nm	30 Nm	35 Nm	40 Nm	50 Nm
Nominal Voltage	120V / 60Hz									
Rated Current	.95A	1.3A	1.1A	1.8A	1.1A	1.6A	1.5A	2.1A	1.8A	2.1A
Speed	38 rpm	38 rpm	20 rpm	38 rpm	14 rpm	20 rpm	14 rpm	20 rpm	14 rpm	14 rpm
Thermal Protection	5 minutes									
Sound Level (RH only)	55 dBA	56 dBA	NA	56 dBA	NA	NA	NA	NA	NA	NA

Type of power cable

Wired 120V AC / 60 Hz 4 conductor cable



white = neutral
red = direction 1
black = direction 2
green = ground

LT50 RA CMO

(Rapid Limit Adjustment - Compact Manual Override)

525A2 CMO 1043010
530R2 CMO 1045017
535A2 CMO 1047006

540R2 CMO 1049026
550R2 CMO 1051014

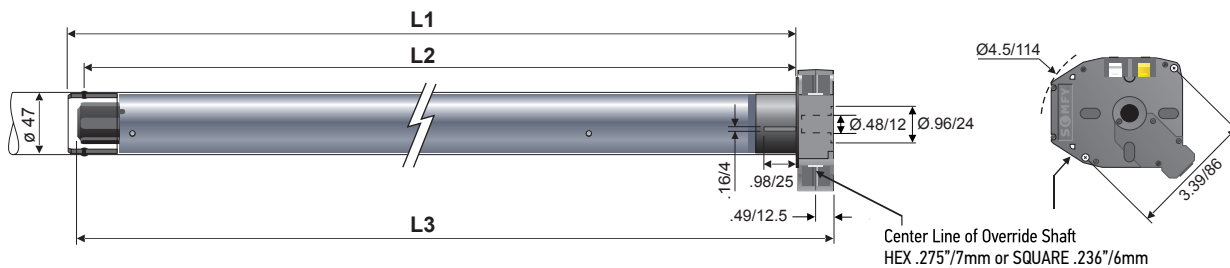


Offers control via power switching

Technical Features

Voltage Supply	120V AC, 60Hz	Temperature Working Range	14°F to 104°F (-10°C to 40°C)
Index Protection Rating	IP 44	Insulation Class	Class 1 for 120V AC
Limit Switch Type	Rapid Adjustment (RA) (includes manual override)	Wiring	Do not parallel wire.
Limit Switch Capacity	34 Turns		

Dimensions



Dimensions	525A2 CMO	530R2 CMO	535A2 CMO	540R2 CMO	550R2 CMO
L1	23.39 in. (594 mm)	23.39 in. (594 mm)	26.14 in. (664 mm)	26.14 in. (664 mm)	26.14 in. (664 mm)
L2	22.80 in. (579 mm)	22.80 in. (579 mm)	25.55 in. (649 mm)	25.55 in. (649 mm)	25.55 in. (649 mm)
L3	23.90 in. (607 mm)	23.90 in. (607 mm)	26.65 in. (677 mm)	26.65 in. (677 mm)	26.65 in. (677 mm)
Cable Length	6 ft. (1.8 m)				

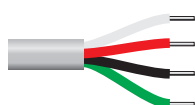
Optional cables available in 6 ft, 12 ft, 24 ft.

Specifications

	525A2 CMO	530R2 CMO	535A2 CMO	540R2 CMO	550R2 CMO
Torque	25 Nm	30 Nm	35 Nm	40 Nm	50 Nm
Nominal Voltage	120V / 60Hz				
Rated Current	1.6A	1.5A	2.1A	1.8A	2.1A
Speed	20 rpm	14 rpm	20 rpm	14 rpm	14 rpm
Thermal Protection	5 minutes				

Type of power cable

Wired
120V AC / 60Hz
4 conductor cable



white = neutral
red = direction 1
black = direction 2
green = ground

LT50 PA

(Progressive Limit Adjustment)

510R2PA 1037395
535A2PA 1047298

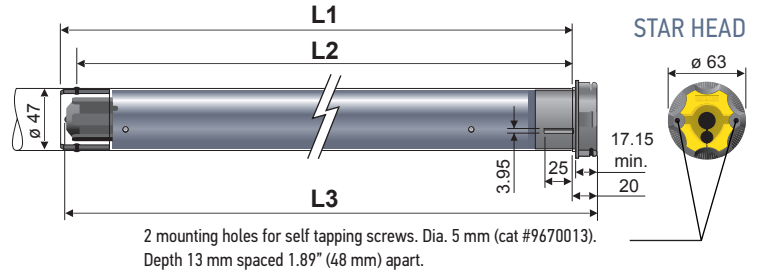


Offers control via power switching

Technical Features

Voltage Supply	120V AC, 60Hz
Index Protection Rating	IP 44
Limit Switch Type	Progressive Adjustment PA
Limit Switch Capacity	29 Turns
Temperature Working Range	14°F to 104°F (-10°C to 40°C)
Insulation Class	Class 1 for 120V AC
Wiring	Do not parallel wire.

Dimensions



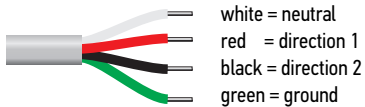
Dimensions	510R2PA	535A2PA
L1	19.88 in. (505 mm)	23.82 in. (605 mm)
L2	19.29 in. (490 mm)	23.23 in. (590 mm)
L3	20.19 in. (513 mm)	24.13 in. (613 mm)
Cable Length	5 in. (.12 m)	3.28 ft. (1 m)

Specifications

	510R2PA	535A2PA
Torque	10 Nm	35 Nm
Nominal Voltage	120V / 60Hz	
Rated Current	.7A	2.1A
Speed	14 rpm	20 rpm
Thermal Protection	5 minutes	
Sound Level	NA	NA

Type of power cable PA

Wired
120V AC / 60Hz
4 conductor cable



LT50 Altus® RTS

Star Head and Round Head Motors

506S2	1032500	530R2	1037507
506S2RH	1037519	535A2	1037509
510S2	1037501	540R2	1037510
510S2RH	1037521	550R2	1037511
525A2	1043287		

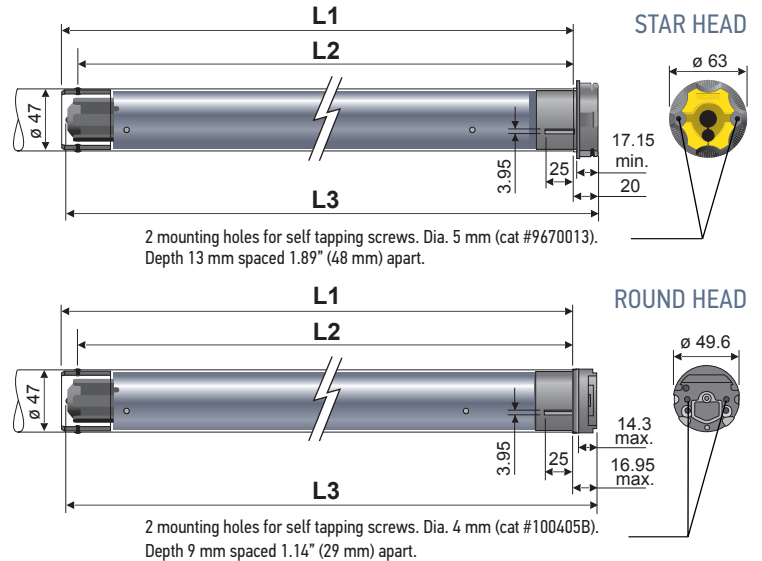


Radio Technology Somfy (RTS) allows for wireless radio control of motorized window coverings via the RTS family of controls.

Technical Features

Voltage Supply	120V AC, 60Hz
Index Protection Rating	IP 44
Limit Switch Type	Electronic RTS
Limit Switch Capacity	250 Turns
Temperature Working Range	14°F to 104°F (-10°C to 40°C)
Insulation Class	Class 1 for 120V AC
Wiring	Integrated into power cord. Must be at least 12 inches and must not come in contact with metal.

Dimensions



Dimensions	506	510	525	530	535	540	550
L1	23.82 in. (605 mm)	25.79 in. (655 mm)	25.79 in. (655 mm)	25.79 in. (655 mm)	26.57 in. (605 mm)	26.57 in. (605 mm)	26.57 in. (605 mm)
L2	23.23 in. (590 mm)	25.20 in. (640 mm)	25.20 in. (640 mm)	25.20 in. (640 mm)	25.98 in. (660 mm)	25.98 in. (660 mm)	25.98 in. (660 mm)
L3	SH 24.13 in. (613 mm) RH 24.02 in. (610 mm)	SH 26.10 in. (663 mm) RH 25.98 in. (660 mm)	26.10 in. (663 mm)	26.10 in. (663 mm)	26.89 in. (683 mm)	26.89 in. (683 mm)	26.89 in. (683 mm)
Cable Length	6.5 ft. (2 m)	6.5 ft. (2 m)	12.3 ft. (3.75 m)	6.5 ft. (2 m)	12.3 ft. (3.75 m)	6.5 ft. (2 m)	6.5 ft. (2 m)

Optional cables with NEMA plugs available in 3 ft, 6 ft, 10 ft, 12 ft, 18 ft, 24 ft.

Specifications

	506	510	525	530	535	540	550
Torque	6 Nm	10 Nm	25 Nm	30 Nm	35 Nm	40 Nm	50 Nm
Nominal Voltage	120V/60Hz						
Rated Current	1.1A	1.3A	1.6A	1.5A	2.1A	1.8A	2.1A
Speed	38 rpm	38 rpm	20 rpm	14 rpm	20 rpm	14 rpm	14 rpm
Thermal Protection	5 minutes						
Radio Frequency	433.42 MHz						

Type of power cable

RTS 120V AC / 60 Hz
3 conductor cable



white = neutral
black = hot
green = ground

LT50 RTS CMO

(Compact Manual Override)

525A2 CMO 1043020 **540R2 CMO** 1049013
530R2 CMO 1045014 **550R2 CMO** 1051012
535A2 CMO 1047010

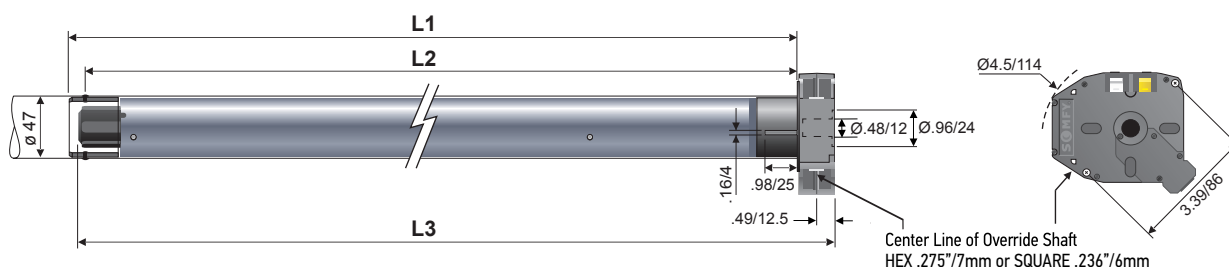


Radio Technology Somfy (RTS) allows for wireless radio control of motorized window coverings via the RTS family of controls.

Technical Features

Voltage Supply	120V AC, 60Hz	Temperature Working Range	14°F to 104°F (-10°C to 40°C)
Index Protection Rating	IP 44	Insulation Class	Class 1 for 120V AC
Limit Switch Type	Rapid Adjustment RA and Electronic Receiver Integrated in motor tube	Antenna	Integrated into power cord. Must be at least 12 inches and must not come in contact with metal.
Limit Switch Capacity	34 Turns	Wiring	Parallel wiring allowed in accordance with NEC and local electrical codes.

Dimensions



Dimensions	525A2 CMO	530R2 CMO	535A2 CMO	540R2 CMO	550R2 CMO
L1	30.47 in. (774 mm)	30.47 in. (774 mm)	30.47 in. (774 mm)	30.47 in. (774 mm)	30.47 in. (774 mm)
L2	29.88 in. (759 mm)	29.88 in. (759 mm)	29.88 in. (759 mm)	29.88 in. (759 mm)	29.88 in. (759 mm)
L3	30.98 in. (787 mm)	30.98 in. (787 mm)	30.98 in. (787 mm)	30.98 in. (787 mm)	30.98 in. (787 mm)
Cable Length	12 ft. (3.6 m)	6 ft. (1.8 m)	12 ft. (3.6 m)	6 ft. (1.8 m)	6 ft. (1.8 m)

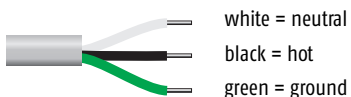
Optional cables with NEMA plugs available in 6 ft, 12 ft, 18 ft, 24 ft.

Specifications

	525A2 CMO	530R2 CMO	535A2 CMO	540R2 CMO	550R2 CMO
Torque	25 Nm	30 Nm	35 Nm	40 Nm	50 Nm
Nominal Voltage	120v / 60Hz				
Rated Current	1.6A	1.5A	2.1A	1.8A	2.1A
Speed	20 rpm	14 rpm	20 rpm	14 rpm	14 rpm
Thermal Protection	5 minutes				
Radio Frequency	433.42 MHz				

Type of power cable

RTS
120V AC / 60Hz
3 conductor cable



LT50 Orea® RTS

Specifically designed for use in cassette awnings only

535A2 1037522
550R2 1037523

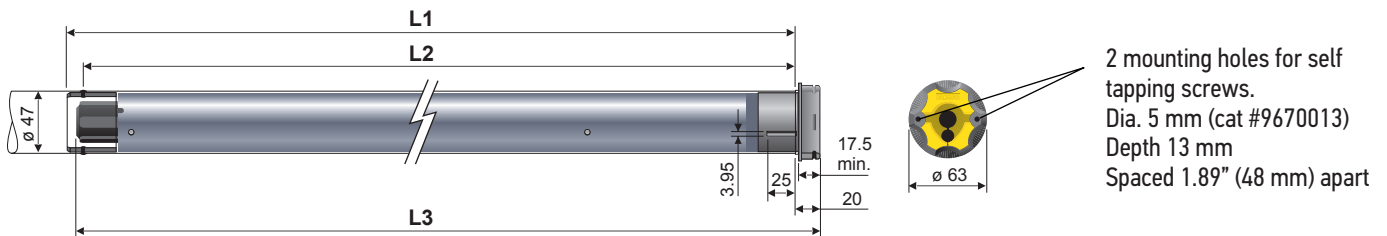


Radio Technology Somfy (RTS) allows for wireless radio control of motorized window coverings via the RTS family of controls.

Technical Features

Voltage Supply	120V AC, 60Hz	Temperature Working Range	14°F to 104°F (-10°C to 40°C)
Index Protection Rating	IP 44	Insulation Class	Class 1 for 120V AC
Limit Switch Type	Electronic RTS	Antenna	Integrated into power cord. Must be at least 12 inches and must not come in contact with metal.
Limit Switch Capacity	250 Turns	Wiring	Parallel wiring allowed in accordance with NEC and local electrical codes.

Dimensions



Dimensions	535	550
L1	26.57 in. (675 mm)	26.57 in. (675 mm)
L2	25.98 in. (660 mm)	25.98 in. (660 mm)
L3	26.89 in. (683 mm)	26.89 in. (683 mm)
Cable Length	13.1 ft. (4 m)	

Optional cables with NEMA plugs available in 3 ft, 6 ft, 10 ft, 12 ft, 18 ft, 24 ft.

Specifications

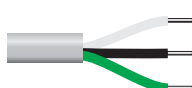
	535	550
Torque	35 Nm	50 Nm
Nominal Voltage	120V / 60HZ	
Rated Current	2.1A	
Speed	20 rpm	14 rpm
Thermal Protection	5 minutes	
Radio Frequency	433.42 MHz	433.42 MHz

Please Note:

Orea® RTS motor is specifically designed for cassette awnings only. Automatic limit setting in the UP direction.

Type of power cable

RTS
120V AC / 60Hz
3 conductor cable



white = neutral
black = hot
green = ground

Oximo™ 50 RTS

Star Head Motor

525A2 1033035

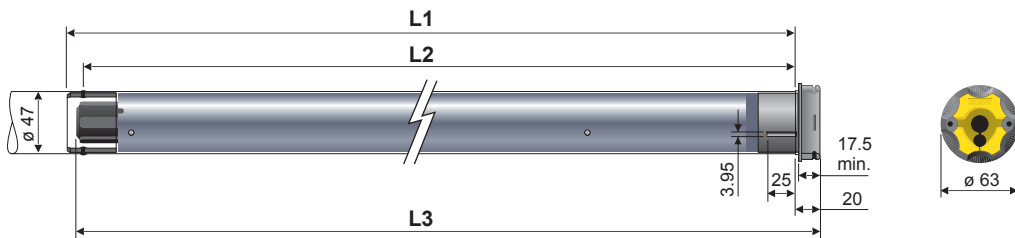


Radio Technology Somfy (RTS) allows for wireless radio control of motorized window coverings via the RTS family of controls.

Technical Features

Voltage Supply	120V AC, 60Hz	Temperature Working Range	14°F to 104°F (-10°C to 40°C)
Index Protection Rating	IP 44	Insulation Class	Class 1 for 120V AC
Limit Switch Type	Electronic RTS	Antenna	Integrated into power cord. Must be at least 12 inches and must not come in contact with metal.
Limit Switch Capacity	200 Turns	Wiring	Parallel wiring allowed in accordance with NEC and local electrical codes.

Dimensions



Dimensions

L1	25.79 in. (655 mm)
L2	25.20 in. (640 mm)
L3	26.10 in. (663 mm)
Cable Length	6.5 ft. (2 m)

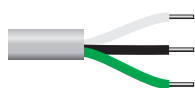
Optional cables with NEMA plugs available in 3 ft, 6 ft, 10 ft, 12 ft, 18 ft, 24 ft.

Specifications

Torque	25 Nm
Nominal Voltage	120V / 60HZ
Rated Current	1.6A
Speed	20 rpm
Thermal Protection	4 minutes
Radio Frequency	433.42 MHz

Type of power cable

RTS
120V AC / 60Hz
3 conductor cable



white = neutral
black = hot
green = ground

Sunea® RTS CMO (Compact Manual Override)

Specifically designed for use in cassette and standard retractable awnings only

525A2 CMO 1114230
535A2 CMO 1116266
550R2 CMO 1118167

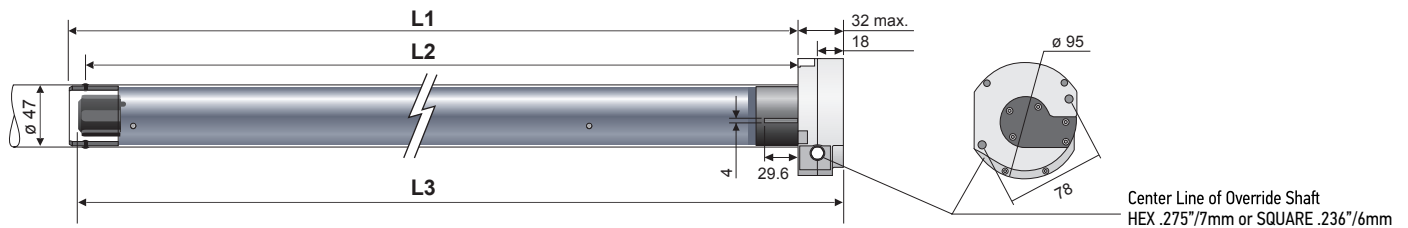


Radio Technology Somfy (RTS) allows for wireless radio control of motorized window coverings via the RTS family of controls.

Technical Features

Voltage Supply	120V AC, 60Hz	Temperature Working Range	14°F to 104°F (-10°C to 40°C)
Index Protection Rating	IP 44	Insulation Class	Class 1 for 120V AC
Limit Switch Type	Electronic RTS	Antenna	Integrated into power cord. Must be at least 12 inches and must not come in contact with metal.
Limit Switch Capacity	250 Turns	Wiring	Parallel wiring allowed in accordance with NEC and local electrical codes.

Dimensions



Dimensions	525A2 CMO	535A2 CMO	550R2 CMO
L1	27.40 in. (696 mm)	27.40 in. (696 mm)	27.40 in. (696 mm)
L2	26.93 in. (684 mm)	26.93 in. (684 mm)	26.93 in. (684 mm)
L3	28.35 in. (720 mm)	28.35 in. (720 mm)	28.35 in. (720 mm)

Optional fast connector cables with NEMA plugs available in 11 ft, 17 ft, 23 ft.

Specifications

	525A2 CMO	535A2 CMO	550R2 CMO
Torque	25 Nm	35 Nm	50 Nm
Nominal Voltage	120V / 60HZ		
Rated Current	1.6A	2.1A	2.1A
Speed	20 rpm	20 rpm	14 rpm
Thermal Protection	4 minutes		
Radio Frequency	433.42 MHz		

Type of power cable - SJTW + 18 in.

Fast Connector - Male
 (Do not cut fast connector cable)



LT50 DCT

Star Head Motors

506S2 1100019
515S2 1100026
535A2 1030075

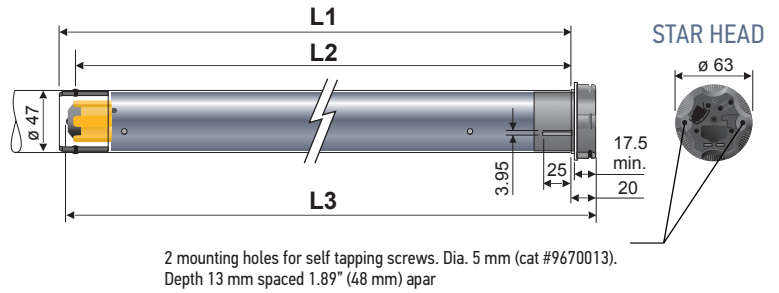


Motors that can be controlled via contact closure (dry contact) or infrared.

Technical Features

Voltage Supply	120V AC, 60Hz
Index Protection Rating	IP 44
Limit Switch Type	Electronic
Limit Switch Capacity	300 Turns
Temperature Working Range	-4°F to 158°F (-20°C to 70°C)
Insulation Class	Class 1 for 120V AC

Dimensions



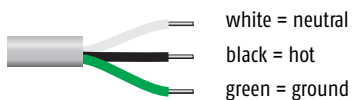
Specifications

	506	515	535
Torque	6 Nm	15 Nm	35 Nm
Nominal Voltage	120V / 60Hz		
Rated Current	.95A	1.8A	2.1A
Speed	38 rpm	38 rpm	20 rpm
Thermal Protection	5 minutes		
Sound Level	55 dBA	56 dBA	58 dBA

Dimensions	506	515	535
L1	23.82 in. (605 mm)	26.57 in. (675 mm)	26.57 in. (675 mm)
L2	23.23 in. (590 mm)	25.98 in. (660 mm)	25.98 in. (660 mm)
L3 Star Head	24.13 in. (613 mm)	26.89 in. (683 mm)	26.89 in. (683 mm)
Power Cable Length	6.5 ft. (2 m)		
Data Cable Length (included)	1 ft. (.3 m) / 4 wires / RJ9 phone connectors		5 ft. (1.5 m) / 4 wires / RJ9 phone connectors

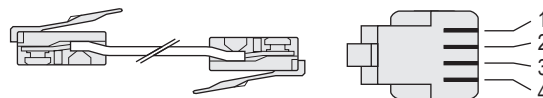
Type of power cable

DCT:
120V AC / 60Hz 3 threads by wire



Data Cable

RJ9 Pin Outs



PIN COLOR	4 RED	3 BLUE	2 WHITE	1 YELLOW
Dry Contact	OPEN	GND	-	CLOSE
IR Contact	IR	GND	+5V	-

Optional Data Cables:

DCT white data cable - 1 ft. (.3 m) #9209060
 DCT white data cable - 5 ft. (1.5 m) #9209061
 DCT white data cable - 25 ft. (7.5 m) #9012343
 DCT white data cable - 50 ft. (15 m) #9012344

LT50 RS485

Star Head Motors

515S2 1002427
535A2 1002288



A new generation of intelligent motors that are controlled and monitored via Somfy Digital Network solutions and animeo® IP total solar management system.

Technical Features

Voltage Supply	120V AC, 60Hz
Index Protection Rating	IP 44 (interior & exterior use)
Limit Switch Type	Electronic
Limit Switch Capacity	300 Turns
Temperature Working Range	-4°F to 140°F (-20°C to 60°C) (interior and exterior use)
Insulation Class	Class 1 for 120V AC
Wiring	Parallel wiring allowed in accordance with NEC and local electrical codes.

Specifications

	515	535
Torque	15 Nm	35 Nm
Nominal Voltage	120V / 60Hz	120V / 60Hz
Rated Current	1.8A	2.1A
Speed	38 rpm	20 rpm
Thermal Protection	4 minutes	4 minutes
*Sound Level	≤ 55 dBA	≤ 55 dBA

* Sound Level:

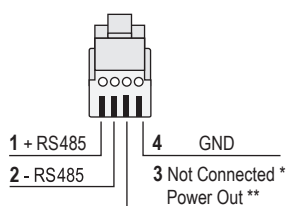
According to standards ISO 3741 NF 31022 in dBA ref 1pW at nominal torque without end product.

Fabrication Recommendations:

- Operational noise level is reduced when motor, tube, and mechanical accessories are properly adapted to motorized applications.
- Free play must be minimized between the accessories and the end product tube.
- Interior Tube Diameter (ID) > 47 mm must be respected.
- A motor crown adaptor between motor and end product tube is required to ensure concentric operation of motor.
- 500 Series Drive Stop and Screw (9910004) is recommended to prevent noise and drive wheel separation from motor shaft.
This drive stop screw must be tightened with a torque ranging between 1.5Nm and 1.8Nm.
- Somfy Soft Clip Drive Wheel Adaptors (brown in color) are not recommended.

Data Cable: RJ9/RJ45 (sold separately)

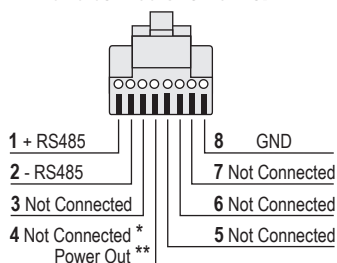
RJ9 connects to motor



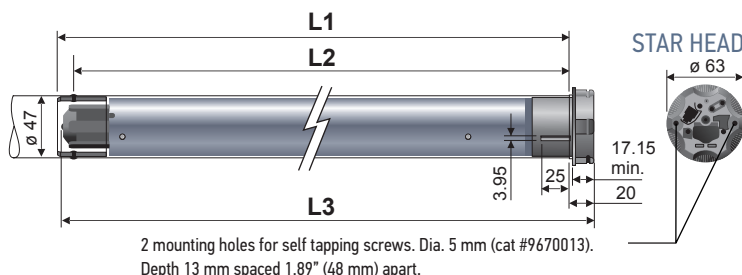
* Data cable (black) for animeo IP networks

** Data cable (grey) for powering external modules

RJ45 connects to network



Dimensions



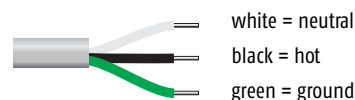
Dimensions

L1	26.57 in. (675 mm)
L2	25.98 in. (660 mm)
L3	26.89 in. (683 mm)
SJTW Power Cable Length	9.8 ft. (3 m)
Data Cable (must be ordered separately)	Customizable and available in various lengths

Optional cables with NEMA plugs available in 3 ft, 6 ft, 10 ft, 12 ft, 18 ft, 24 ft.

Type of power cable

120V AC / 60Hz
3 conductor cable



4 Cond. 26AWG modular cable with RJ9 on one end and RJ45 other end - (RTS, Z-Wave®, ZigBee modules)

GREY WITH POWER OUT	2.5 ft long	#9018545
	8 ft long	#9018546
	12 ft long	#9018547
	24 ft long	#9018548

4 Cond. 26AWG modular cable with RJ9 on one end and RJ45 other end - (SDN - animeo IP)

BLACK WITHOUT POWER OUT	2.5 ft long	#9018541
	8 ft long	#9018542
	12 ft long	#9018543
	24 ft long	#9018544

Visit [somfysystems.com/sdn-2-0](http://somfy.com/somfysystems.com/sdn-2-0) for complete information on SDN 2.0 Bus Distribution Products.

CONTROL ACCESSORIES

Learn more about controls and accessories and download RTS brochure at www.somfy.com/controls

RADIO TECHNOLOGY SOMFY® (RTS)



TELIS COLLECTION



Telis 1 RTS Lounge
Single Channel
Remote
1810650



Telis 4 RTS Lounge
Five Channel
Remote
1810652



Telis 1 RTS Silver
Single Channel
Remote
1810639



Telis 4 RTS Silver
Five Channel
Remote
1810641



Telis 1 RTS Pure
Single Channel
Remote
1810632



Telis 4 RTS Pure
Five Channel
Remote
1810633



Telis 1 Soliris
RTS Patio
1810647



Telis 4 Soliris
RTS Patio
1810243



Telis 1 Soliris
RTS Pure
1810635



Telis 1 RTS Patio
Single Channel
Remote
1810643



Telis 4 RTS patio
Five Channel
Remote
1810645



Telis 1 Modulus
RTS Pure with
Scroll Wheel
1811234



Telis 4 Modulus
RTS Pure with
Scroll Wheel
1811235



Telis 16 Channel RTS
Pure Remote with
On-screen display
1811081



Telis 16 Channel RTS
Silver Remote with
On-screen display
1811082



Telis 1 Chronis RTS
Silver Timer with
On-screen display
1805237



Telis 1 Chronis RTS
Silver Timer with
On-screen display
1805238

DECOFLEX WIREFREE™ WALL SWITCHES



DecoFlex 1 Channel RTS
WireFree™ Wall Switch



DecoFlex 2 Channel RTS
WireFree™ Wall Switch



DecoFlex 3 Channel RTS
WireFree™ Wall Switch



DecoFlex 4 Channel RTS
WireFree™ Wall Switch



DecoFlex 5 Channel RTS
WireFree™ Wall Switch

- Wall Switches shown in white. Also available in black and ivory finishes.
- Shown assembled with printed channel buttons.
- Custom engraved buttons are also available.



Black



Ivory

SMOOVE® WALL SWITCH



Smoove 1 RTS Pure

- Battery-operated convenience
- Surface mounts with ease
- Frames available in 7 colors



Pure



Silver
Matte



Black



Light
Bamboo



Amber
Bamboo



Cherry



Walnut

TABLE TOP ACCESSORIES



DecoFlex WireFree™ RTS
Table Top Accessory Black
1811051*



DecoFlex WireFree™ RTS
Table Top Accessory Silver
1810972*



DecoFlex WireFree™ RTS
Table Top Accessory White
1811185*

*DecoFlex Switch sold separately from Table Top Accessory.

CONTROL ACCESSORIES

RADIO TECHNOLOGY SOMFY® (RTS)



myLink™

ZRTSI

16 CHANNEL INTERFACE

RTS REPEATER



RTS Smart Phone and Tablet Interface

Control shades while home or away using your tablet, smartphone or voice. A simple on-screen set up wizard helps users create timed events, scenes and more. Compatible with iOS, Android and Amazon Alexa.

www.somfysystems.com/mylink

1811403



Z-Wave® to RTS Interface 2

1811265



Universal RTS Interface 16-Channel
(Converts IR, RS232, RS485 to RTS)

1810872



RTS Repeater

1810791

DIMMABLE LED RTS LIGHT KIT

OUTDOOR RECEIVERS

DRY CONTACT INTERFACE



Dimmable LED RTS Light Kit

Warm White
1811491

Cool White
1811506

Dimming LED RTS Receiver
1811486



Outdoor Lighting Receiver

1810875

Universal RTS Receiver
1810627



RTS Dry Contact Interface
Single Channel

1810493

SUNIS & THERMOSUNIS INDOOR SENSORS

EOLIS 3D SENSOR

EOLIS SENSOR

SOLIRIS SENSOR

ONDEIS RAIN & SUN SENSOR



Sunis Indoor
WireFree™ RTS

9013707



ThermoSunis
Indoor
WireFree™ RTS

9013708



Eolis 3D WireFree™ RTS
Wind Sensor

1816081



Eolis RTS
Wind Sensor 24V

9012499



Soliris RTS Sun and Wind
Sensor 24V

9012500



Ondeis WireFree™ RTS
Rain and Sun Sensor

9019617

CONTROL ACCESSORIES

DIGITAL MOTOR INTERFACES

ZDMI



Z-Wave® to Digital
Motor Interface
1870171

ZBDMI



ZigBee® to Digital
Motor Interface
1870220

animeo® IP



animeo IP is a total solar management system utilizing Somfy-powered intelligent motorized window coverings as well as digital keypads and weather sensors. The system's controllers, sensors and keypads can be added to both new and existing Somfy Digital Network installations for comprehensive solar management as either a stand-alone solution or integrated into third party control systems.

An intuitive user interface allows for simplified commissioning, building management and technical support, featuring drag-and-drop programming, motor auto discovery and at-a glance system status update.



animeo® IP Building Controller
1822314

Visit www.somfysystems.com/animeo to learn more

WIRED AC CONTROLS & SWITCHES



GROUP CONTROL SYSTEM II (GCS II)



Group Control System II (GCS II)
1810476

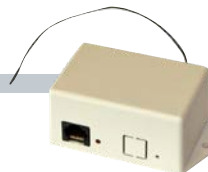


GCS II RTS Radio Receiver
1810854

INDIVIDUAL GROUP CONTROL (IGC) 4N1 MOTOR CONTROLLER



IGC 4N1 Motor Controller
1811416



IGC 4N1 RTS Radio Receiver
1811492



DecoFlex Dry Contact Keypad
1811402

CONTROL ACCESSORIES

WIRED AC CONTROLS & SWITCHES

WIRED TECHNOLOGY



DECORATOR TOGGLE SWITCHES (single pole, double throw) & SWITCHPLATES



Maintained Toggle Switch
(White)
1800381



Maintained Toggle Switch
(Ivory)
1800380



Momentary Toggle Switch
(White)
1800383



Momentary Toggle Switch
(Ivory)
1800382



Standard Metal Toggle Switchplate
(White)
9011954



Standard Metal Toggle Switchplate
(Ivory)
9011953



Plastic Toggle Switchplate
(White)
9011963



Plastic Toggle Switchplate
(Ivory)
9011962

DECORATOR PADDLE SWITCHES & SWITCHPLATES



Maintained Paddle Switch
(White)
1800374



Maintained Paddle Switch
(Ivory)
1800373



Momentary Paddle Switch
(White)
1800378



Momentary Paddle Switch
(Ivory)
1800377



Maintained Double Pole,
Double Throw Paddle Switch
(White)
1800375



Maintained Double Pole,
Double Throw Paddle Switch
(Ivory)
1800376



Single Gang Paddle Switchplate
(White)
9011967



Single Gang Paddle Switchplate
(Ivory)
9011966

SPECIALTY SWITCH

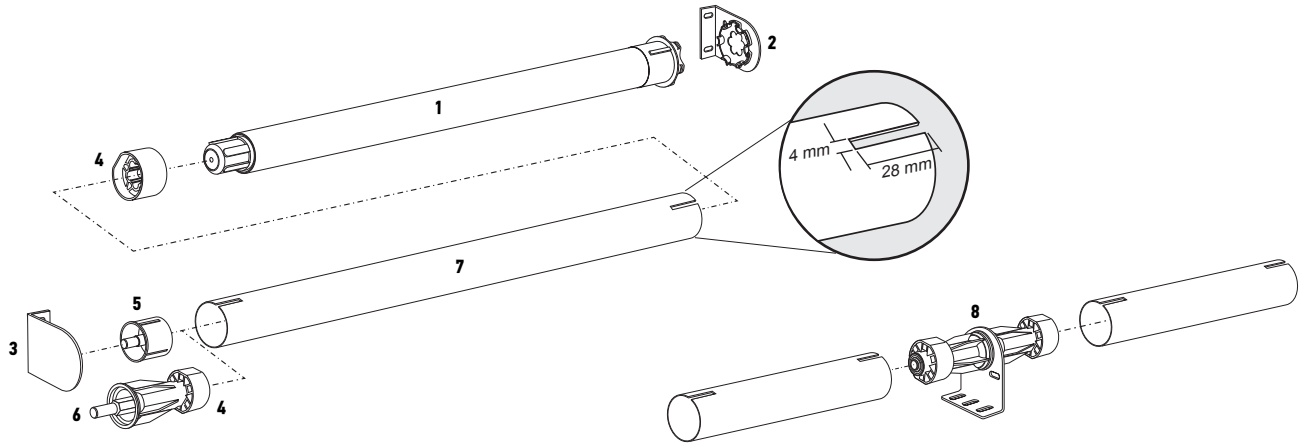


5 position Momentary/Maintained Rocker Switch
Switchplate included
(White)
1800388

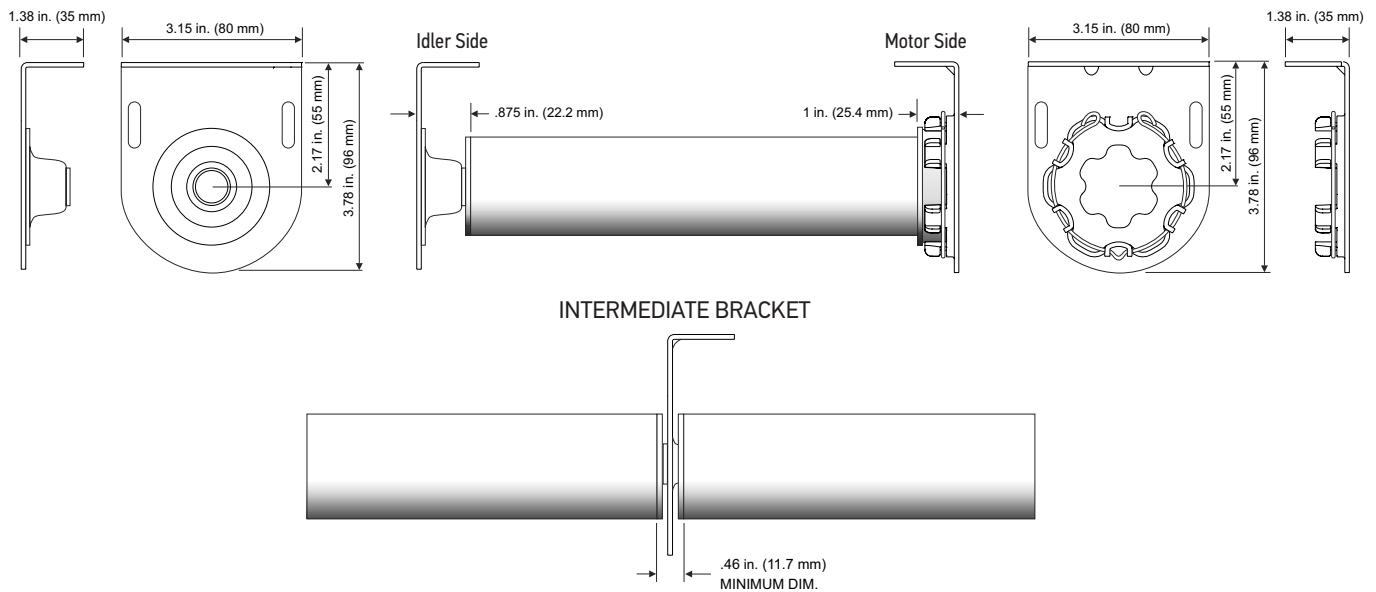
500 SERIES HARDWARE SYSTEMS

SOMFY 2" SYSTEM

STANDARD BRACKET COMPONENTS



DIMENSIONS AND LIGHT GAP SPECIFICATIONS



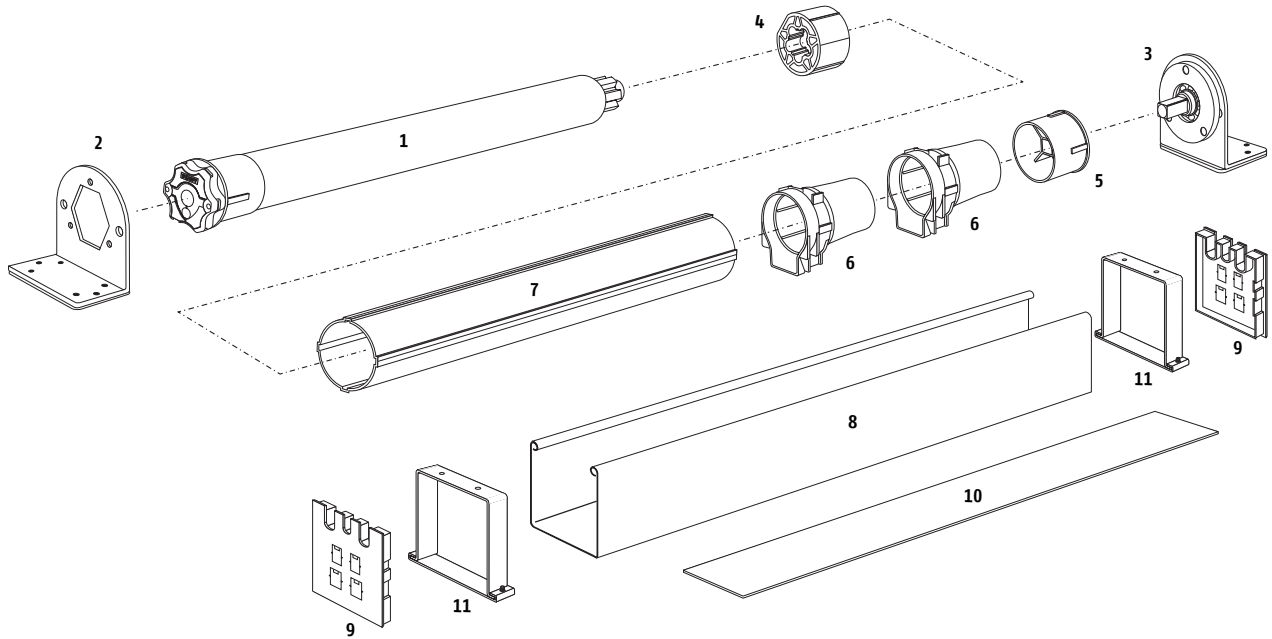
PRODUCT CHART

IMAGE	DESCRIPTION	CATALOG NUMBER
1	Motor - LT50 shown	Refer to individual 500 Series Spec Sheet
2	LT50 Universal Motor Bracket	9410651
3	LT50 Idler Bracket with 10 mm Hole Nylon Bearing	9410635
4	2" Round LT50 - Hard Clip	9206088
5	2" Collapsible End Cap (silent) - 10 mm Shaft (requires notch in tube)	9013592
6	2" Universal End Cap - Collapsible 10 mm Shaft (requires notch in tube)	9420800
7	2" Aluminum Tube	1781148
8	LT50 2" Universal Intermediate Bracket Kit (requires notch in tube)	9410648

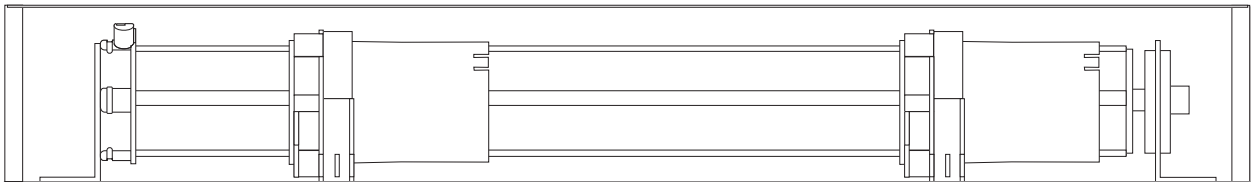
500 SERIES HARDWARE SYSTEMS

SOMFY CTS50 SYSTEM

STANDARD BRACKET COMPONENTS



COMPLETE ASSEMBLY



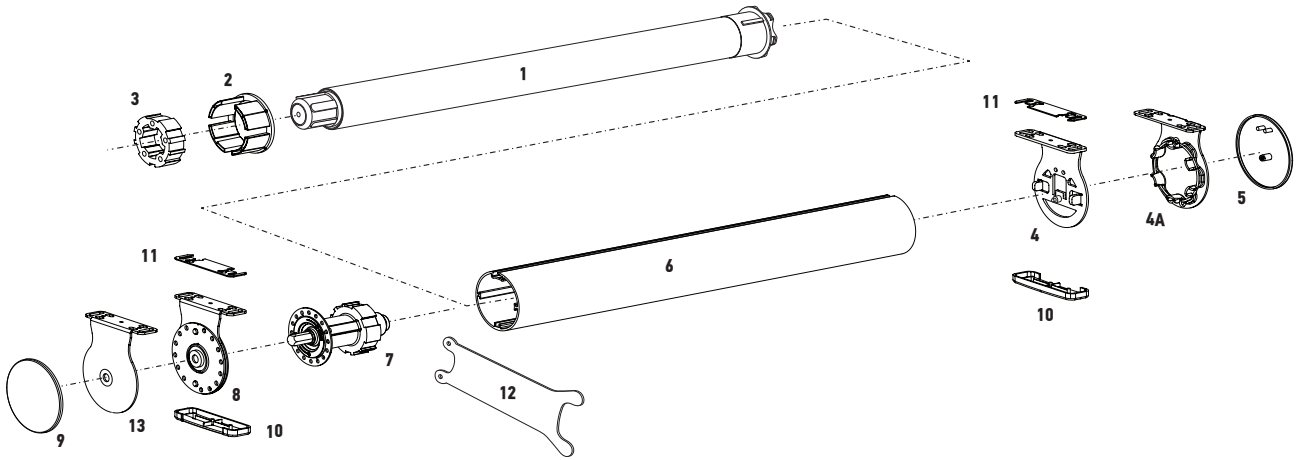
PRODUCT CHART

IMAGE	DESCRIPTION	CATALOG NUMBER
1	Motor - LT50 shown	Refer to individual 500 Series Spec Sheet
2	CTS50 Motor Mount Bracket	1781110
3	CTS50 Motor Idler Bracket	1781112
4	2" LT Drive for CTS50 Tube	9704080
5	CTS50 Idler End Cap	1781113
6	CTS50 Kit (cone, cradle bearing, tilting rod, end cover)	1781129
7	CTS50 Aluminum Tube	1781150
8	CTS50 Aluminum Headrail	1781106
9	Headrail End Caps	1781105
10	Headrail Cover	1781107
11	Headrail Mounting Bracket	1781111

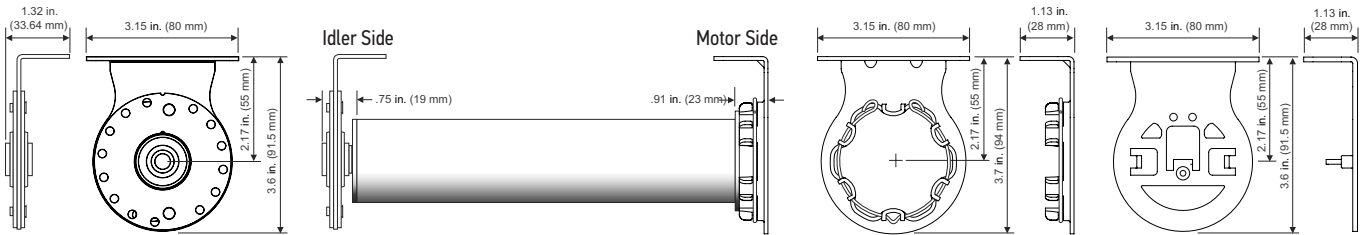
500 SERIES HARDWARE SYSTEMS

ACMEDA®

STANDARD BRACKET COMPONENTS



DIMENSIONS AND LIGHT GAP SPECIFICATIONS



PRODUCT CHART

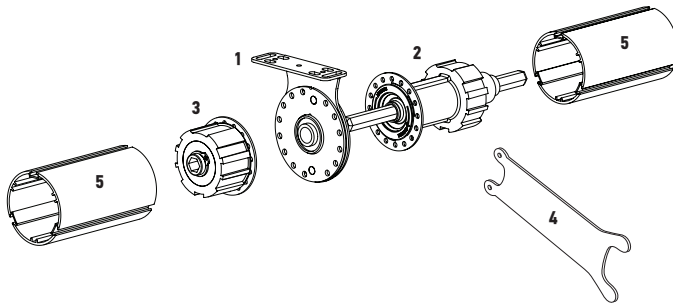
IMAGE	DESCRIPTION	CATALOG NUMBER
1	Motor (Sonesse® 50 RTS)	Refer to individual 500 Series Spec Sheet
2	ST50 Crown 56 mm Tube	9014125
3	ST50 Drive Wheel 56 mm Tube	9014126
4	ST50 Round Head Motor Bracket 55P	9014109
4A	ST50 Star Head Motor Bracket 55P	9014135
5	ST50 Motor Bracket Cover	9014111
6	56 OD Aluminum Sonesse 50 Tube (ft) - White Powder Coat	1780744
6	56 OD Aluminum Sonesse 50 Tube (ft) - Mill Finish	1780743
7	ST50 Auto Plug End 56 mm Tube	9014097
8	ST50 Adjustable Idler Bracket - Ceiling Mount 55P	9014110
8	ST50 Adjustable Idler End Bracket - Wall Mount 55P	9014238
9	ST50 Idler Bracket Cover	9014112
10	ST50 Screw Plate Cover	9014113
11	ST50 Mounting Shim	9014124
12	ST50 Bracket Leveling Adjuster Tool	1780742
13	Non-Adjustable Idler Bracket 55P	9014683

500 SERIES HARDWARE SYSTEMS

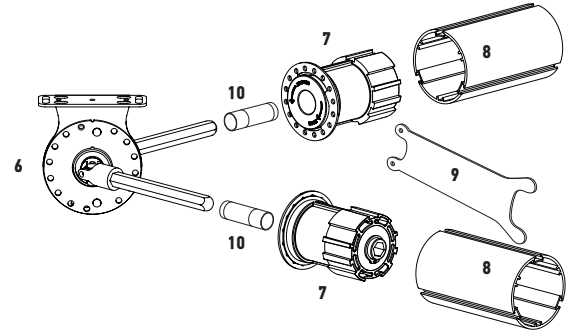
ACMEDA®

INTERMEDIATE BRACKET COMPONENTS (STANDARD & 0-90°)

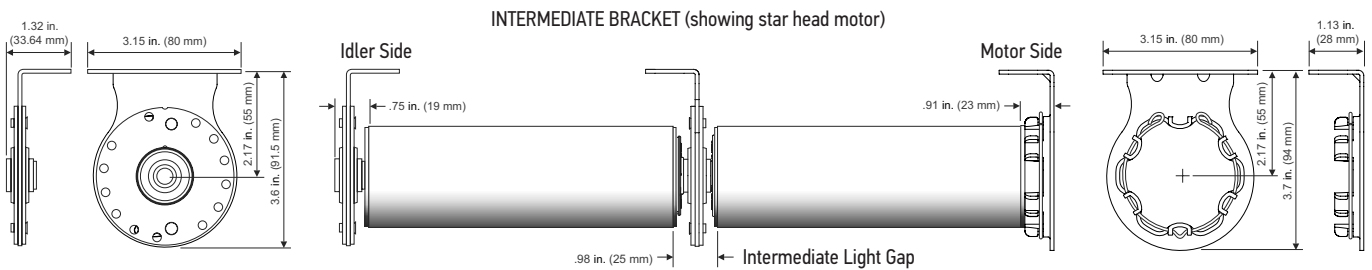
INTERMEDIATE STANDARD



INTERMEDIATE 0°- 90°



DIMENSIONS AND LIGHT GAP SPECIFICATIONS (INTERMEDIATE)



PRODUCT CHART - STANDARD

IMAGE	DESCRIPTION	CATALOG NUMBER
1	ST50 Intermediate Bracket Ceiling Mount 55P	9014120
1	ST50 Intermediate Bracket Wall Mount 55P	9014240
2	ST50 Intermediate Drive 56 mm Tube	9014114
3	ST50 Intermediate Receiver 56 mm Tube	9014121
4	ST50 Bracket Leveling Adjuster Tool	1780742
5	56mm OD Aluminum Sonesse 50 Tube (ft) - White Powder Coat	1780744
5	56mm OD Aluminum Sonesse 50 Tube (ft) - Mill Finish	1780743

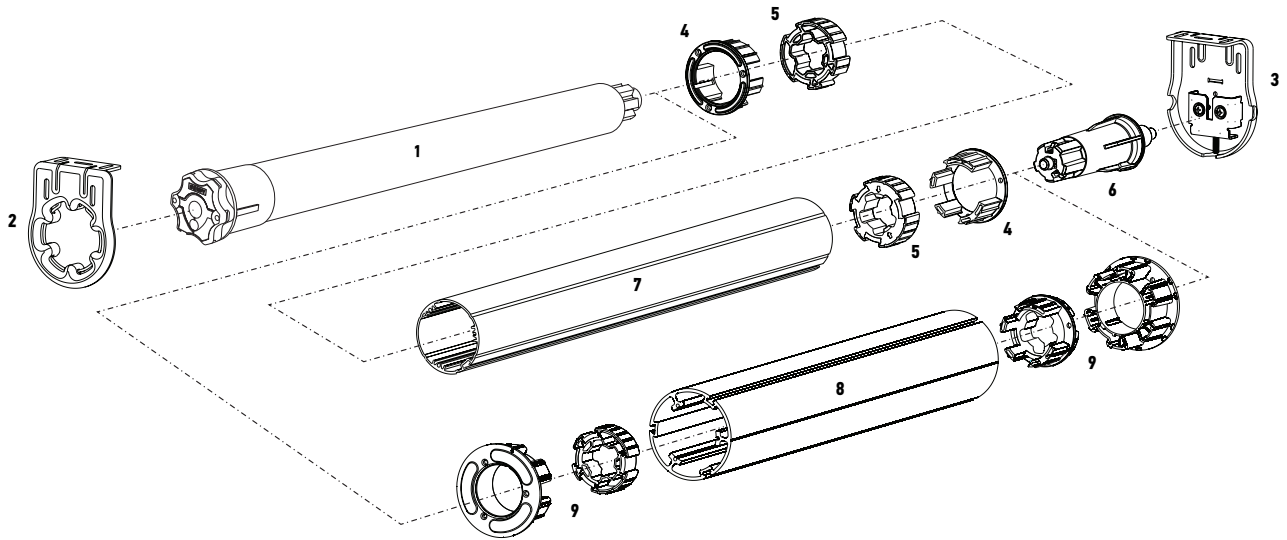
PRODUCT CHART - 0° to 90°

IMAGE	DESCRIPTION	CATALOG NUMBER
6	50 Intermediate Bracket Ceiling Mount 55P / 90°	9014122
6	ST50 Intermediate Bracket Wall Mount 55P / 90°	9014239
7	ST50 Intermediate Receiver 56 mm Tube 90° (spacer included)	9014123
8	56mm OD Aluminum Sonesse 50 Tube (ft) - White Powder Coat	1780744
8	56mm OD Aluminum Sonesse 50 Tube (ft) - Mill Finish	1780743
9	ST50 Bracket Leveling Adjuster Tool	1780742
10	Spacer (included with 9014123)	NA

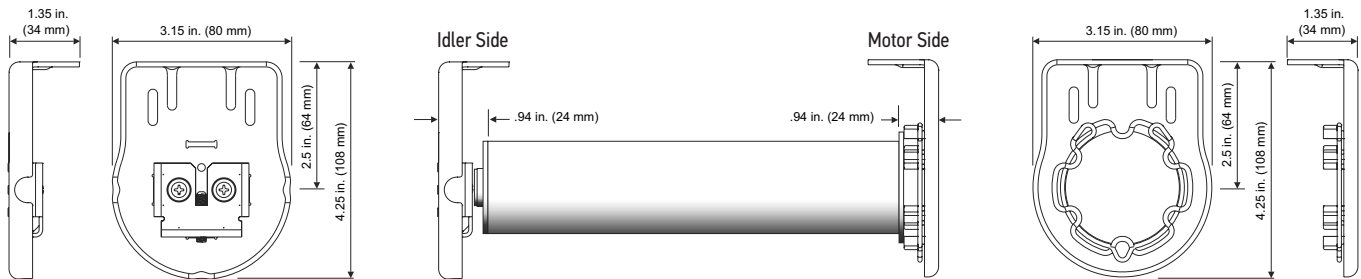
500 SERIES HARDWARE SYSTEMS

ROLLEASE® SILENT PIN SYSTEM

STANDARD BRACKET COMPONENTS



DIMENSIONS AND LIGHT GAP SPECIFICATIONS



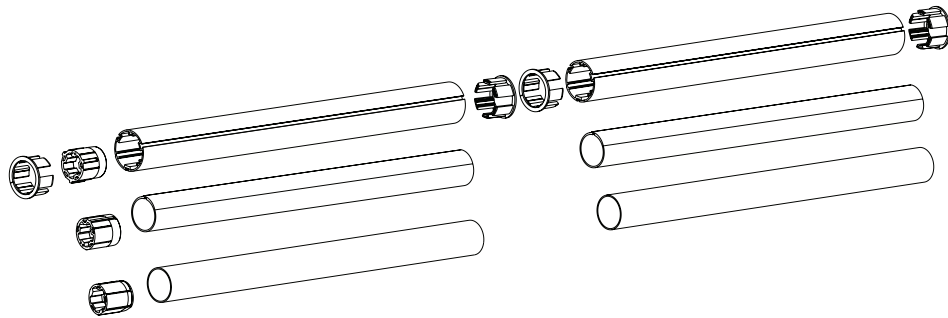
PRODUCT CHART

IMAGE	DESCRIPTION	CATALOG NUMBER
1	Motor - LT50 shown	Refer to individual 500 Series Spec Sheet
2	RollEase® "Silent Pin" Motor Bracket White	9016858
3	RollEase® "Silent Pin" Idler Bracket Wall and Ceiling Mount - White	9016859
4	RollEase® "Silent Pin" Crown only for RollEase 2.5" (63 mm) Tube	9016856
4 & 5	RollEase® "Silent Pin" Crown and Drive Adaptor for RollEase 2.5" (63 mm) Tube	9015234
6	RollEase® "Silent Pin" Idler End Pin	9016857
7	2.5" O.D. Aluminum Tube	1781343
8	3.25" O.D. Aluminum Tube	1782096
9	RollEase® "Silent Pin" Crown and Drive Adaptor for RollEase 3.25" (83 mm) Tube	9016855

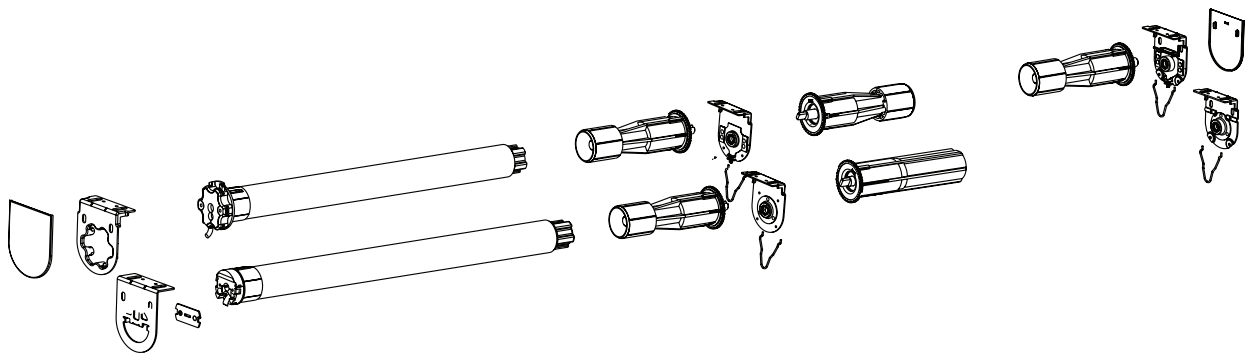
500 SERIES HARDWARE SYSTEMS

ZMC®

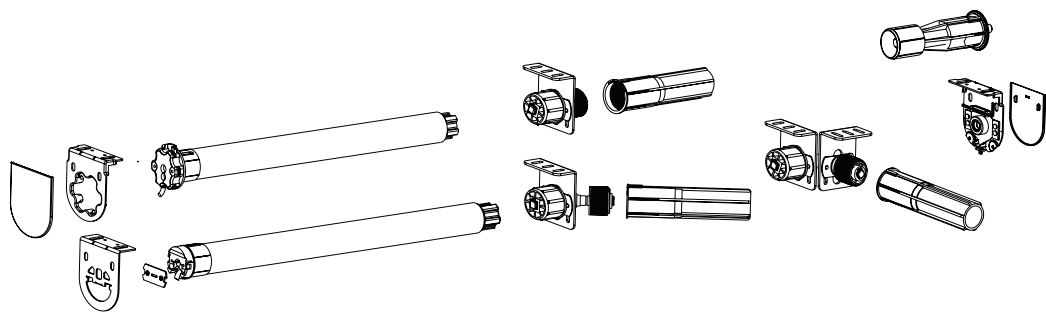
STANDARD ROLLER TUBE AND ACCESSORIES



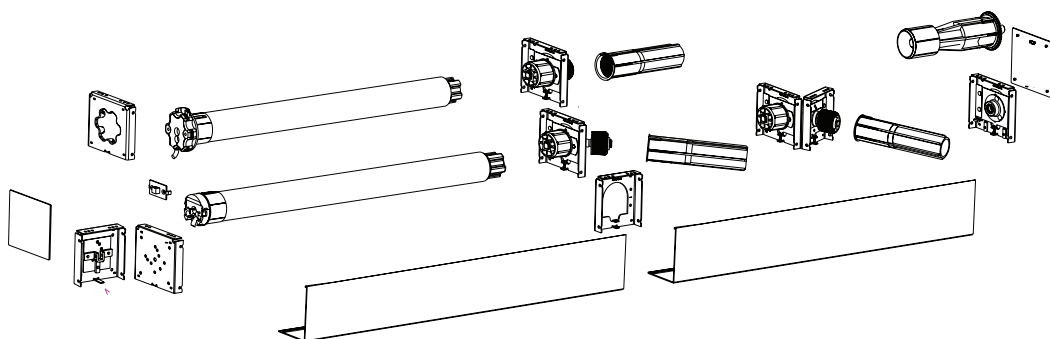
MOTOR BRACKETS AND ACCESSORIES FOR SOMFY 500 SERIES MOTORS



MOTOR U-JOINT INDEXABLE BRACKET FOR SOMFY 500 SERIES MOTORS



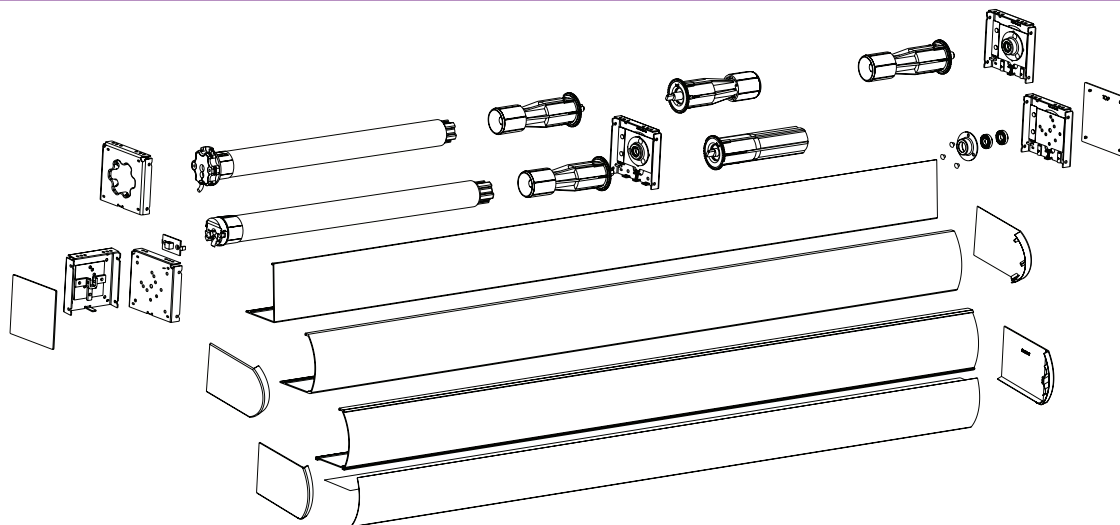
4" ADJUSTABLE U-JOINT INDEXABLE FASCIA BRACKET FOR SOMFY 500 SERIES MOTORS



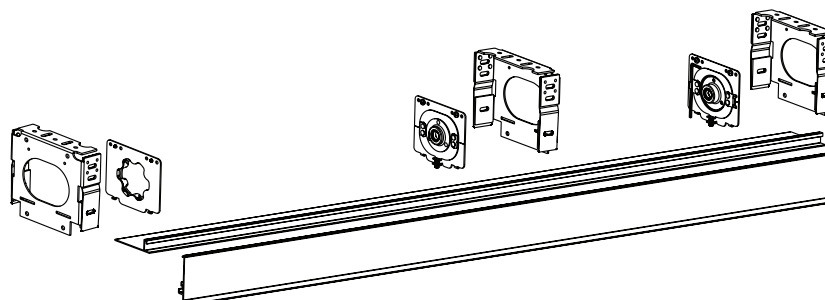
500 SERIES HARDWARE SYSTEMS

ZMC®

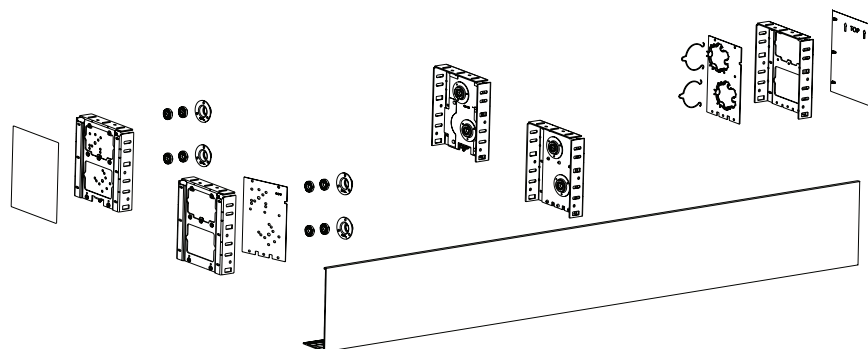
4" FASCIA BRACKETS FOR SOMFY 500 SERIES MOTORS



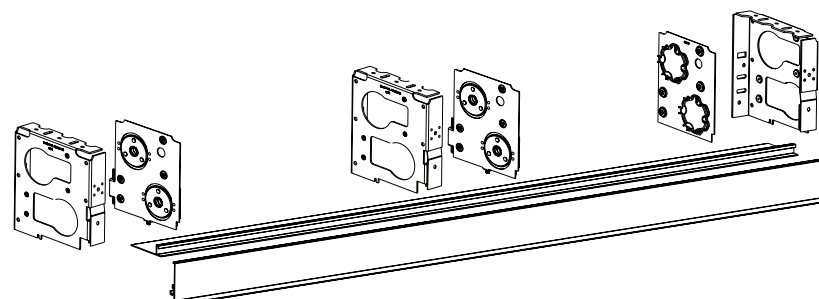
5.5" SMART HEAD BOX SYSTEM FOR SOMFY 500 SERIES MOTORS



7" FASCIA SYSTEM FOR SOMFY 500 SERIES MOTORS



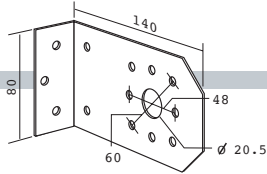
7" SMART HEAD BOX SYSTEM FOR SOMFY 500 SERIES MOTORS



500 SERIES MECHANICAL ACCESSORIES

500 SERIES MOTOR BRACKETS

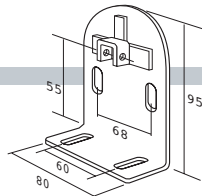
LT50 Motor Angle Bracket



- Zinc plated steel
- .807 in. diameter through hole
- Maximum motor torque - 40 Nm
- Compatible with # 1781098 idler end bearing support
- Maximum system load - See note below*

Part # 9012250

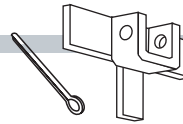
Universal LT50 Motor Bracket (LS Style) for 10 mm Square Stud



- Zinc plated steel
- Maximum motor torque - 25 Nm
- Horizontally and vertically adjustable
- Maximum system load - 126 Lbs. (57 Kg.)

Part # 9410665

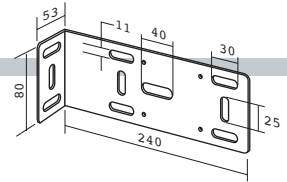
"U" Shape LS Style Motor Bracket for 10 mm Square Stud



- Maximum motor torque - 25 Nm
- Zinc plated steel
- Maximum system load - See note below*
- Cotter Pin included

Part # 9510658

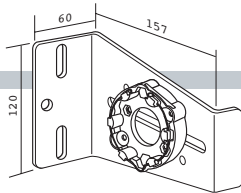
Heavy Duty Angle Plate



- For ceiling and wall installation in combination with # 9012263
- Black oxide finish
- Compatible with brackets # 9012263, 9701310 and 9132065
- Maximum motor torque - 100 Nm
- Maximum system load - See note below*

Part # 9701091

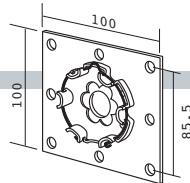
Motor Bracket LT60 FTS



- Zinc plated steel, gauge 3 (0.24 in.)
- For use with LT FTS 60
- Maximum motor torque - 100 Nm
- Includes universal bracket with spring ring
- Maximum system load - 441 Lbs. (200 kg.)
- Must use locking spring ring # 9910002 to obtain full torque and load capability.
- Compatible with idler bracket # 9430603 and intermediate bracket # 9420763

Part # 9430601

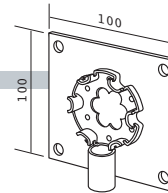
Motor Bracket With Spring Ring (100 mm x 100 mm)



- Four mounting holes provided with a through hole in the center of the bracket
- Zinc plated steel
- Lateral space requirement for installation: 28 mm
- Maximum motor torque - 85 Nm
- Maximum system load - See note below*

Part # 9763508

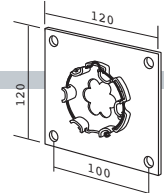
LT50/60 Motor Bracket with 1/2" Conduit Connector



- Four mounting holes provided
- Lateral space requirement: 28 mm
- Zinc plated steel
- Must be used with either spring ring # 9206033, or locking spring ring # 9910002 (not included)
- Maximum motor torque - 85 Nm or 100 Nm when locking spring ring # 9910002 is used.

Part # 9012262

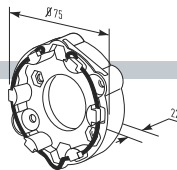
Motor Bracket With Spring Ring (120 mm x 120 mm)



- Four mounting holes provided
- Zinc plated steel
- Lateral space requirement for installation: 28 mm
- Maximum motor torque - 85 Nm
- Maximum system load - See note below*

Part # 9763503

Universal Bracket with Spring Ring



Spring ring needs to be replaced with locking spring ring #9910002 to obtain maximum torque and load capability.

Note: Screws must engage bracket's thread on its full length with recommended tightening torque of 105 in. lbs. for Grade 8 bolts.

Universal Bracket with Spring Ring - Zamak Aluminum Alloy Material

- 2 holes for M6 hex screw on 48 mm diameter
- 2 holes on M8 hex screw on 60 mm diameter
- 2 countersunk holes for M8 screw on 60 mm diameter
- No threaded holes
- Used for bolts to protrude through back of bracket
- Lateral space requirement for installation: 27 mm
- Maximum motor torque - 85 Nm or 100 Nm when used with locking spring ring # 9910002, and M8 bolts
- Maximum system load - 441 Lbs. (200 kg.) when used with locking spring ring # 9910002

Part # 9420631

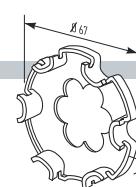
Same as above: Threaded to accept Inch Series threaded screws 1/4 - 20, 5/16 - 18

Part # 9910021

Same as above: Threaded to accept M6 and M8 bolts

Part # 9910001

Weld-on Bracket Without Spring Ring



Spring ring must be ordered separately (not included)

- Steel bracket without surface treatment
- For welding to mounting plates of all kinds. Lateral space requirement for installation: 23 mm + thickness of mounting plate
- Must be used with spring ring # 9206033 or locking spring ring # 9910002 (not included)
- Maximum motor torque - 85 Nm or 100 Nm depending on spring ring and quality of weld
- Maximum system load - 441 Lbs. (200 kg.) when used with locking spring ring # 9910002

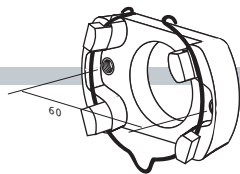
Part # 9206029

* Note: Maximum system load will vary depending on application. SOMFY recommends testing of component in actual application to determine its suitability.

500 SERIES MECHANICAL ACCESSORIES

500 SERIES MOTOR BRACKETS

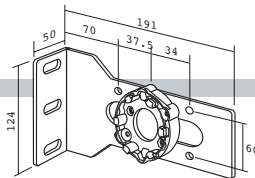
LT50 Compact Bracket



- Two mounting holes with molded in M5 nuts 60 mm apart
- Maximum motor torque 35Nm when used with Locking Spring Ring
- Black nylon material

Part # 9708461

Heavy Duty Angle Plate with Universal Motor Bracket



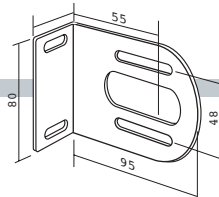
- With two M8 screws and nuts included
- Angle plate (zinc plated steel)
- Three adjustment positions possible
- Maximum motor torque - 85 Nm or 100 Nm when used with locking spring ring # 9910002
- Maximum system load - 287 Lbs. (130 Kg.) or 441 Lbs. (200 Kg.) with locking spring ring # 9910002

Part # 9420602

Heavy Duty Angle Plate - Part # 9420604

- Same as above but without the universal motor bracket

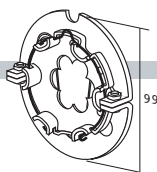
LT50 Angle Plate with Elongated Holes Allowing Adjustment



- Zinc plated steel
- Compatible with idler end bearing support # 1781098 and intermediate bearing support # 9146011
- Maximum motor torque - 50 Nm
- Maximum load - 152 Lbs. (69 Kg.)

Part # 9410639

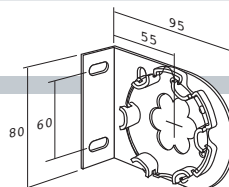
LT50/60 Radial Motor Bracket



- Maximum motor torque 80 Nm
- Zinc plated steel
- Allows for easy removal of LT motor without removing entire bracket. It disassembles in 2 pieces with one part remaining attached to structure
- Maximum system load - See note below*

Part # 9420620

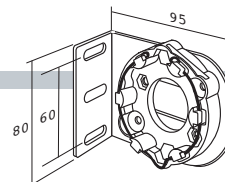
LT50 Universal Motor Bracket



- Maximum motor torque - 50 Nm
- Zinc plated steel
- Maximum system load - 254 Lbs. (115 Kg.)
- Compatible with idler bracket # 9410635, # 9410633 and intermediate bracket # 9410648

Part # 9410651

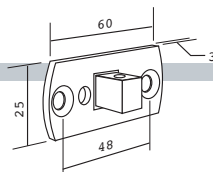
LT50 Adjustable Universal Motor Bracket



- Zinc plated steel
- Without molded nuts
- Maximum motor torque - 50 Nm
- Maximum system load - 254 Lbs. (115 Kg.)

Part # 9002550

Retrofit Brackets



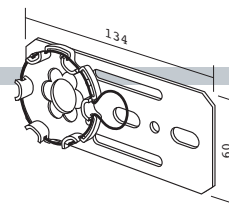
- Zinc plated steel - yellow
- LO LT motor bracket with a 10 mm stud. Vertical pin hole
- Mounting screws # 9670013 not included
- Maximum motor torque - 25 Nm for new LT applications
 - 35 Nm for replacing LS motor with LT motor
- Maximum system load - 154 Lbs. (70 Kg.)

Part # 9206020

Same as above, except pin hole is horizontal

Part # 9206021

Adjustable Motor Bracket with Spring Ring



- Zinc plated steel
- Horizontally and Vertically adjustable
- Lateral space requirement for installation: 27 mm
- Maximum motor torque 50 Nm
- Maximum system load - See note below*

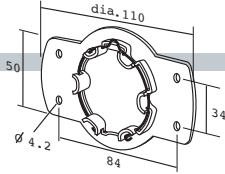
Part # 9703948

* Note: Maximum system load will vary depending on application. SOMFY recommends testing of component in actual application to determine its suitability.

500 SERIES MECHANICAL ACCESSORIES

500 SERIES MOTOR BRACKETS

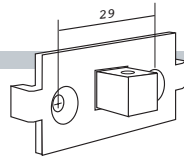
LT50 HA Motor Bracket*



- Allows flush mounting of the motor head against the mounting surface
- Zinc plated steel
- Maximum motor torque - 50 Nm

Part # 9410715

LT RH Motor Bracket



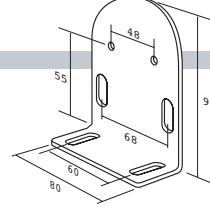
- Pin hole is vertical
- Zinc plated steel
- 10 mm square stud
- Maximum motor torque - 25 Nm
- Mounting Screws # 100405B included
- Maximum system load - 154 Lbs. (70 Kg.)

Part # 9910016

Same as above except pin hole is horizontal

Part # 9910017

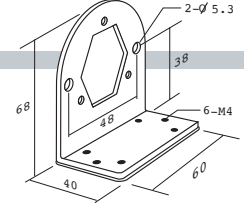
LT50 Angle Bracket*



- For ceiling and wall installation
- Zinc plated steel
- Horizontally and vertically adjustable
- Maximum motor torque - 50 Nm

Part # 9410637

CTS50 Motor Mounting Bracket* (Cord Take-Up System)

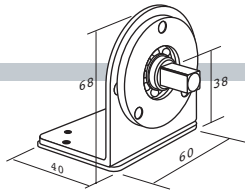


- Zinc plated steel
- Attaches directly to LT50 motor head (48 mm on center)
- Adaptable for Nichibei headrail (70 x 70)
- Maximum motor torque - 10 Nm

Part # 1781110

500 SERIES IDLER BRACKETS

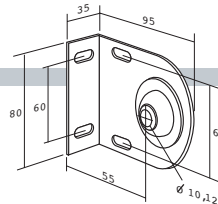
CTS50 Motor Idler Bracket* (Cord Take-Up System)



- Zinc plated
- 10 mm square shaft with ball bearings
- Adaptable for Nichibei headrail (70 x 70)
- Maximum motor torque - 10 Nm

Part # 1781112

LT Idler End Bracket (inside diameter 10 mm)



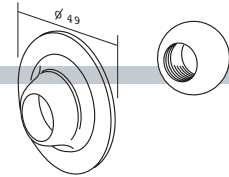
- Zinc plated steel
- 10 mm ID Nylon ball bearing
- Compatible with motor brackets # 9410665 and # 9410651
- Maximum motor torque - 50 Nm
- Maximum system load 287 Lbs. (130 Kg.)

Part # 9410635

Same but with a 12 mm ID Nylon Ball Bearing

Part # 9410633

Idler Bracket 10 mm Ball Bearing and Holder Kit



Part # 9012657

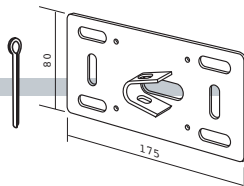
- Ball Bearing with 10 mm ID Part # 9410803
- Ball Bearing with 12 mm ID Part # 9028665

Ball Bearing Holder

- Used with # 9410803 or # 9028665 ball bearings
- Zinc plated steel
- Maximum motor torque - 50 Nm
- Maximum system load - up to 287 Lbs. (130 Kg.)

Part # 1781030

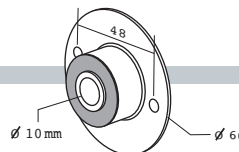
Heavy Duty Idler Bracket*



- Used with end cap having stationary 16 mm diameter shaft
- Cotter pin holding end cap's shaft included
- Zinc plated steel
- Maximum motor torque - 100 Nm

Part # 9132065

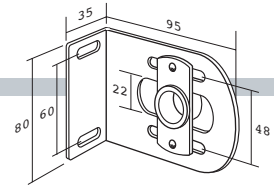
LT50 Round Anti-Vibration Idler Bracket*



- Zinc plated steel with a 10 mm round insert surrounded by rubber
- Can be mounted on # 9410637
- Maximum motor torque - 20 Nm
- Can reduce sound levels by 2-4 dB

Part # 9701310

LT50 Idler Bracket with 14 mm ID Bearing*



- Zinc plated steel
- Adjustable bearing location
- Maximum motor torque - 50 Nm

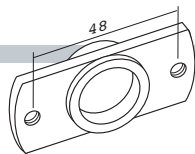
Part # 9002540

* Note: Maximum system load will vary depending on application. SOMFY recommends testing of component in actual application to determine its suitability.

500 SERIES MECHANICAL ACCESSORIES

500 SERIES IDLER BRACKETS

Idler End Bearing Support for 14 mm Diameter Shaft*



- Two threaded mounting holes for M5 screws
- Sintered Brass in a zinc plated steel plate
- Mounting hardware included
- Compatible with shaft # 1781011 and brackets # 9012250 and # 9146001
- Maximum motor torque 50 Nm

Part # 1781098

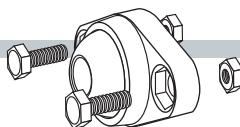
Same as above but hardware not included

Part # 9146007

With 16 mm Dia. Shaft (no hardware)

Part # 9146011

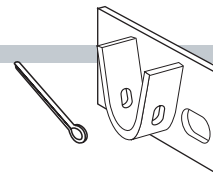
Idler End 12 mm Nylon Ball Bearing with Holder



- Cast aluminum
- Compatible with bracket # 9420604
- Maximum motor torque:
 - FTS range - 25 Nm
 - LT range - 100 Nm
- Maximum system load - 287 Lbs. (130 Kg.)

Part # 9430610

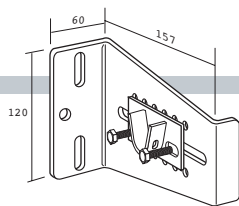
Idler End Cap Holder and Cotter Pin



- Zinc plated steel
- Compatible with bracket # 9420604
- Used with end cap having stationary 16 mm diameter shaft
- Maximum motor torque when properly installed with cotter pin:
 - FTS range - 55 Nm
 - LT range - 100 Nm
- Maximum system load - 441 Lbs. (200 Kg.)
- Open end of the "U" must face up
- Cotter pin 6.3mm x 80 mm (zinc plated) # 132444A

Part # 9540786

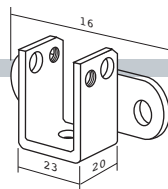
Heavy Duty Idler Bracket with Idler End Cap Holder



- Two screws and cotter pin included
- Zinc plated steel, gauge 3(0.2391 in.)
- Used with end cap having stationary 16 mm diameter shaft
- Maximum motor torque when properly installed with cotter pin:
 - FTS range - 55 Nm
 - LT range - 100 Nm
- Maximum system load - 441 Lbs. (200 Kg.)

Part # 9430603

"U" Shaped Idler Bracket



- Zinc plated steel
- Idler bearing securing screw included
- Maximum motor torque - 40 Nm
- Maximum system load - 254 Lbs. (115 Kg.)

Part # 9127808

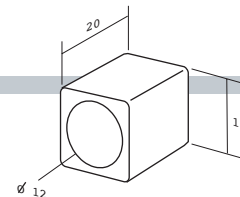
White Dress Cover for Idler Brackets



- # 9410635, # 9410633 and motor brackets # 9410665 and # 9410651
- White composite

Part # 9002519

Idler Bearing (for Ø 12mm Shaft)



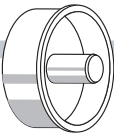
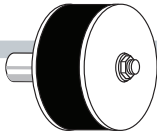
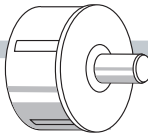
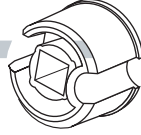
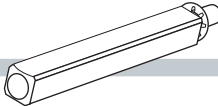
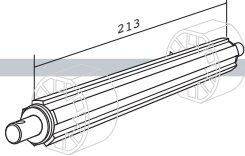
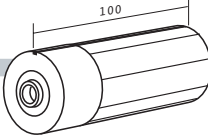
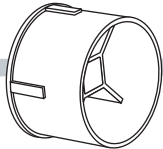
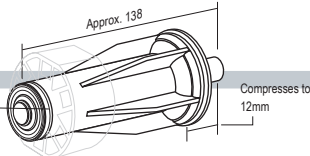
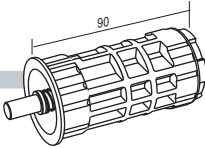
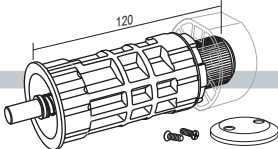
- Nylon material
- Maximum motor torque - 40 Nm
- Compatible with # 9127808
- Maximum system load - 254 Lbs. (115 Kg.)

Part # 1781015

* Note: Maximum system load will vary depending on application. SOMFY recommends testing of component in actual application to determine its suitability.

500 SERIES MECHANICAL ACCESSORIES

500 SERIES END CAPS

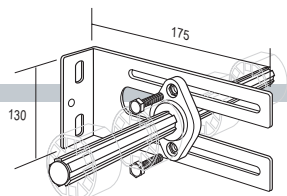
Die Cast End Cap*	2" Anti-Vibration End Cap	Molded Composite End Cap*	2" Tube Idler End Cap without Shaft
 <ul style="list-style-type: none"> - For tube diameter 2" (50 mm) - Shaft Diameter 0.39" (10 mm) - Maximum motor torque - 50 Nm <p>Part # 9128101</p> <p>Same as Above but with 12 mm Shaft</p> <p>Part # 9132087</p>	 <ul style="list-style-type: none"> - For tube diameter 2" (50 x 1.5 mm, 50 x 1.6 mm) - Shaft Diameter 0.39" (10 mm) - Zinc plated steel parts with molded rubber <p>Part # 9701380</p>	 <ul style="list-style-type: none"> - For tube diameter 2.5" (63 mm) - Shaft Diameter 0.59" (15 mm) - Maximum motor torque - 40 Nm <p>Part # 9701116</p> <ul style="list-style-type: none"> - For tube diameter 2.0" (50 mm) - Shaft diameter 0.40" (10 mm) - Maximum motor torque - 50 Nm <p>Part # 9700958</p>	 <p>NOTE: Set screw must use Lock-tight to prevent screw from vibrating free.</p> <ul style="list-style-type: none"> - Cast aluminum with set screw <p>Part # 9129631</p> <p>2.5" Tube Idler End Cap without Shaft</p> <ul style="list-style-type: none"> - Cast aluminum with set screw <p>Part # 9129632</p> <p>2.75" Tube Idler End Cap without Shaft</p> <ul style="list-style-type: none"> - Cast aluminum with set screw <p>Part # 9129633</p>
13 mm Square Drive Shaft with 12 mm Diameter Shaft	Heavy Duty End Cap with 16 mm Diameter Shaft	Roller Tube End Cap with 12 mm Hole*	Idler End Cap for CTS 50 Tube
 <ul style="list-style-type: none"> - Zinc plated steel shaft <p>Part # 1781009</p>	 <ul style="list-style-type: none"> - Adaptable to any tube profile using matching LT drives - To be used with Idler bracket accepting stationary shaft # 9430643 - Extruded aluminum shaft w/heavy duty ball bearings - Maximum motor torque: <ul style="list-style-type: none"> - FTS range - 55 Nm - LT range - 100 Nm - Maximum system load - 441 Lbs. (200 Kg.) <p>Part # 9420674</p>	 <ul style="list-style-type: none"> - For tube 50 x 1.5 mm - Black composite with ball bearing <p>Part # 9701288</p> <p>Roller Tube End Cap with 10 mm Hole*</p> <p>Part # 60903170</p>	 <ul style="list-style-type: none"> - Maximum system load - See note below - Used with # 1781112 <p>Part # 1781113</p>
13 mm Square Drive Shaft with 14 mm Diameter Shaft	Universal End Cap with 10 mm Collapsible Shaft	Sonesse 50 Pin End Cap with 10 mm Collapsible Shaft	Sonesse ULTRA 50 Universal End Cap with 10 mm Collapsible Shaft
<ul style="list-style-type: none"> - Zinc plated steel shaft <p>Part # 1781011</p>	 <p>Retaining Clip #4210017 attaches here</p> <p>Approx. 138</p> <p>Compresses to 12mm</p> <ul style="list-style-type: none"> - Directly compatible with 2" tube and requires notched 2" tube and 2" drive held in place with retaining clip included - End cap is adaptable to all tubes w/LT50/60 crown and drive sets - Black nylon - Maximum motor torque: <ul style="list-style-type: none"> - With awning - 50 Nm - With FTS - 25 Nm - Maximum system load - 88 Lbs. (40 Kg.) <p>Part # 9420800</p> <p>Same as above but with 9.15 mm shaft & shorter pin</p> <p>Part # 9420814*</p> <p>Same as above but with 12 mm shaft - Part # 9420801</p> <p>Same as above but with 14 mm Shaft - Part # 9420802</p>	 <ul style="list-style-type: none"> - Ultra Quiet rubber over-molded end cap compatible with 2" tube (requires notched 2" tube) - Black nylon housing with yellow rubber over-mold - 2 roller bearings for smooth, quiet operation - Maximum motor torque: 50 Nm - Maximum system load - 88 Lbs. (40 Kg.) <p>Part # 9016628</p> <p>Same as above but with 12 mm Shaft</p> <p>Part # 9018228</p>	 <ul style="list-style-type: none"> - Universal Ultra Quiet rubber over-molded end cap is adaptable to all tubes by mounting LT50/60 crown and drive sets (drive stop & screws included) - Black nylon housing with rubber over-mold - 2 roller bearings for smooth, quiet operation - Maximum motor torque: 50 Nm - Maximum system load - 88 Lbs. (40 Kg.) <p>Part # 9019716</p> <p>Same as above but with 12 mm Shaft</p> <p>Part # 9019717</p>

* Note: Maximum system load will vary depending on application. SOMFY recommends testing of component in actual application to determine its suitability.

500 SERIES MECHANICAL ACCESSORIES

500 SERIES INTERMEDIATE BRACKETS

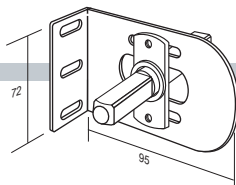
Heavy Duty LT Intermediate Support Bracket*



- Will adapt to any tube profile using tube matching LT drives
- The 4 drives are not included and must be specified separately
- Maximum motor torque:
FTS range - 55 Nm, LT range - 100 Nm
- Heavy gauge 3 (0.24 in.), zinc plated steel
- Extruded aluminum shaft with heavy duty roller bearing

Part # 9420673

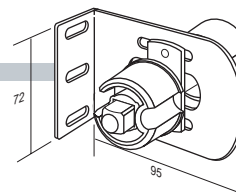
LT50 Intermediate Bracket with 16 mm ID Bearing



- Zinc plated steel
- 16 mm bearing plate # 9146011 also sold separately
- Square shaft # 1781018 also sold separately
- Maximum motor torque:
FTS range - 25 Nm, LT50 range - 50 Nm
- Maximum system load - 152 Lbs. (69 Kg.)

Part # 9002541

LT50 Adjustable Intermediate Support Bracket for a 2" Tube



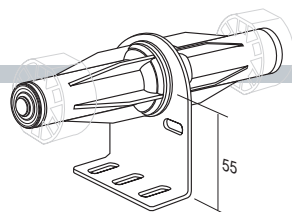
- Zinc plated steel bracket
- Cast aluminum drives, with set screw - set screw must use lock tight to prevent screw from vibrating free
- Maximum motor torque:
FTS range - 25 Nm, LT50 range - 50 Nm
- Maximum system load - 152 Lbs. (69 Kg.)

Part # 9012203

LT50 Adjustable Intermediate Support Bracket for a 2.5" Tube

Part # 9012204

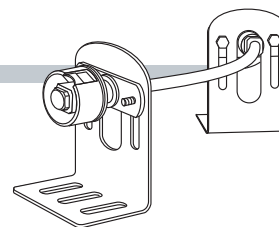
LT Intermediate Bracket for 2" Tube Only



- Zinc plated steel bracket
- Composite end caps
- Maximum motor torque - 15 Nm
- Requires notched 2" tube for transfer of torque
- Recommended tube used included with 2" LT drives
- Maximum system load - 152 Lbs. (69 Kg.)
- Compatible with LT brackets # 9410665, # 9410651, # 9410635, and # 9410633

Part # 9410648

LT50 Flexible Intermediate Bracket Kit for 2" Tube



- Maximum angle up to 30°
- Maximum effective motor torque - 7 Nm
- Zinc plated steel bracket
- Cast aluminum drives and flexible coiled steel shaft
- Maximum system load - 60 Lbs. (28 Kg.)

Part # 9012318

Same as above except for maximum angle up to 45°

Part # 9012319

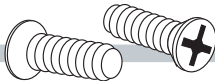



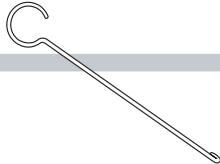
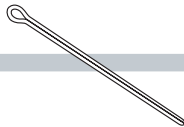
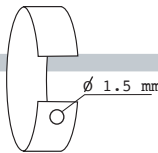
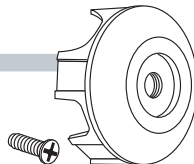

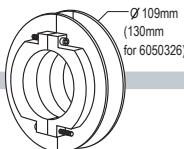

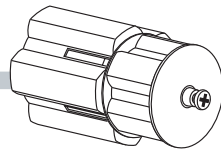
* Note: Maximum system load will vary depending on application. SOMFY recommends testing of component in actual application to determine its suitability.

RIGID LINKS - Recommended to be used in conjunction with Oximo motor.

	Rigid Link - 1 Link	Rigid Link - 1 Link	Rigid Link - 2 Links	Rigid Link - 2 Links
Number and location of Rigid Links: <ul style="list-style-type: none"> - Minimum of 2 rigid links per rolling shutter. - Do not exceed 33 lbs (15 kg) hanging load per rigid link. 	<ul style="list-style-type: none"> - Maximum torque stopping load: 14 Nm - Slat Size: .32 in. (9 mm) 	<ul style="list-style-type: none"> - Maximum torque stopping load: 14 Nm - Slat Size: .55 in. (14 mm) 	<ul style="list-style-type: none"> - Maximum torque stopping load: 10 Nm - Slat Size: .32 in. (9 mm) 	<ul style="list-style-type: none"> - Maximum torque stopping load: 10 Nm - Slat Size: .55 in. (14 mm)
	Part # 9019327	Part # 9019328	Part # 9019329	Part # 9019330

500 SERIES MECHANICAL ACCESSORIES

500 SERIES MISCELLANEOUS

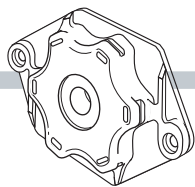
LT50 Motor Mounting Screws-Flat Head, Self Tapping Tri lobe 5 mm Dia. (13 mm Deep)		Spring Ring with Loop		Spring Ring		Locking Spring Ring			
									
Part # 9670013									
LT50 RH Motor Mounting Screws- Flat Head, Self Tapping Tri lobe 4 mm Dia. (9 mm Deep)		- Used with brackets and motors rated up to 80 Nm maximum - Allows for easy hand removal from the bracket - Spring type stainless steel		- Used with brackets and motors rated up to 80 Nm maximum - Stainless steel spring type		- Must be used with all brackets in combination with the 6100R2 motor or installations where flexing of the tube is abnormally high - Used with brackets and motors rated up to 100 Nm - Spring type stainless steel - Locking screw must be secured to prevent motor from disengaging from the universal bracket			
Part # 100405B		Part # 9685025		Part # 9206033		Part # 9910002			
Pull-off Tool for Spring Ring		Cotter Pin		Fabric Fastening Clip		LT50 Stop Wheel		Tester Cable - 4 Wire	
									
- Black finished steel		- 3.5 mm x 45 mm		- for 2" (50 mm) O.D. Tube - Made out of spring steel		- Screws into the motor output shaft to prevent drive from coming off shaft - Black composite stop		- Allows easy setting of the LT motor limit switches before connecting the motor to the controlling device	
Part # 9206015		Part # 43500020		Part # 9138028		Part # 9910004		Part # 9012116	
		Fabric Fastener		- for 2.5" (63 mm) O.D. Tube		LT60 Stop Wheel		FTS Tester Cable - 5 Wire	
		- for 2.5" (63 mm) O.D. Tube				- Same as above but with a screw adaptable to the LT60 operators		- Same as above, but for the FTS (Fabric Tension System)	
Part # 9206015		Part # 43500020		Part # 9012201		Part # 9012194		Part # 9012117	
50 x 1.5 mm Tube Cord Take-up Reel			2" Tube Take-up Reel			Anti-Blocking System (ABS)			
									
- Material - Cast aluminum alloy - Shipped unassembled in 4 pieces - Adjustable tape width			- Outside dia. 89 mm - Material ABS - Maximum tape width - 9 mm			ABS Wheel - Left Rotation - Maximum motor torque - 30 Nm ABS Wheel - Right Rotation - Maximum motor torque - 30 Nm The input of the ABS wheel fits the LT50 motor shaft. The output shaft will accept any of the LT50 drive wheels. Drive retaining washer is included. In the up direction, 30 Nm can be lifted. If an obstacle is detected in the down direction then the motor will spin freely and not damage the product. A momentary switch or Somfy controls having 3 min. time out are required.			
Part # 9146035			Part # 1781151			Left Rotation Part # 9705415 Right Rotation Part # 9705414			
63 x 1.5 mm Tube Cord Take-up Reel						Same as above but with greater torque threshold which is required to activate the ABS			
Part # 9146071						- CMO ABS left rotation - maximum motor torque - 30 Nm - CMO ABS right rotation - maximum motor torque - 30 Nm Left Rotation Part # 9706003 Right Rotation Part # 9706004			

* Note: Maximum system load will vary depending on application. SOMFY recommends testing of component in actual application to determine its suitability.

500 SERIES MECHANICAL ACCESSORIES

CMO MECHANICAL ACCESSORIES

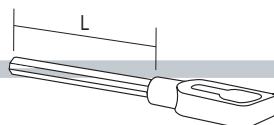
CMO Motor Bracket



- Converts a CMO motor head to be compatible with standard LT brackets
- Allows the motor to be rotated in 60° increments
- Delivered with two motor mounting screws
- Black composite
- Maximum motor torque - 80 Nm
- Maximum system load- See note below*

Part # 9910051

CMO Awning Eye with 2.36" (60 mm) Long 7 mm Hex Shaft



Part # 9685114

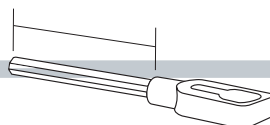
CMO Awning Eye with 6.5" (165 mm) Long 7 mm Hex Shaft

Part # 9685136

CMO Awning Eye with 4" (100 mm) Long 7 mm Hex Shaft

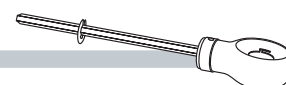
Part # 9685148

Sunea Awning Eye with 2.36" (60 mm) Long 7 mm Hex Shaft



Part # 9016332

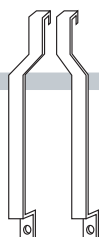
LT CMO Awning Eye Compatible with Geiger Crank Handles



- Length of the shaft is (100 mm) 4"
- Stainless steel pin for eyepiece mounting to 7 mm Hex shaft
- Stainless steel stop washer & socket head screw (also sold separately)
- Zinc plated steel shaft

Part # 9707287

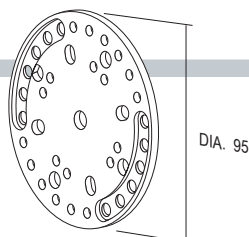
CMO Motor Limit Setting Tool



- Allows setting the travel limits of the motor when the limit switch buttons are hard to access
- Zinc plated steel

Part # 9910019

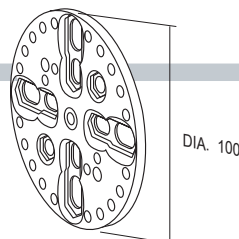
Sunea RTS CMO Universal Bracket



- U.S. thread 1/4 - 20, 5/16 - 18 threads
- Delivered without motor mounting screws
- Zamak aluminum alloy material
- Maximum motor torque - 50 Nm
- Maximum system load - See note below*

Part # 9015802

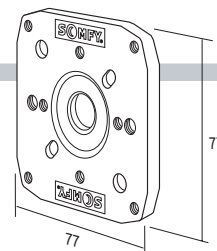
CMO Round Awning Motor Bracket



- U.S. thread 1/4 - 20, 5/16 - 18 threads
- Delivered without motor mounting screws
- Black finished aluminum alloy
- Maximum motor torque - 100 Nm (must be used with 5/16 - 18 bolts at maximum torque)
- Maximum system load - See note below*

Part # 9420648

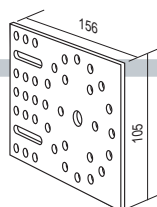
CMO ME Square Awning Motor Bracket



- U.S. thread 1/4 - 20, 5/16 - 18 threads
- Delivered with two motor mounting screws (3/16" Socket Head)
- Black finished aluminum alloy
- Maximum motor torque - 100 Nm (must be used with 5/16 - 18 bolts at max. torque)
- Maximum system load - See note below*

Part # 9910041

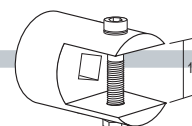
Standard LT and LT CMO Motor Mounting Plate



- Allows for different orientation of the LT CMO motor head in 15 increments
- Zinc plated steel
- Maximum motor torque - 100 Nm
- Maximum system load - See note below*

Part # 9012293

LT50 Differential Torque Tube Connectors



- For square link bars (16 x 1 mm)
- Zinc plated steel

Part # 9012778

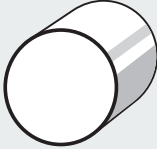
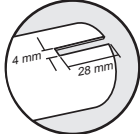
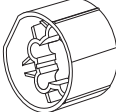
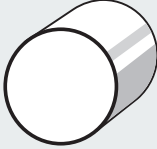
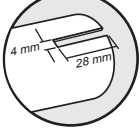
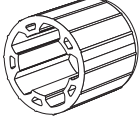
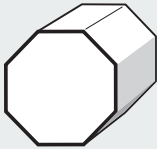
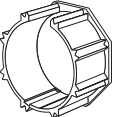
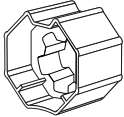
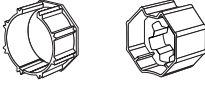
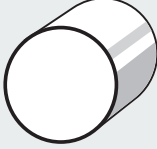
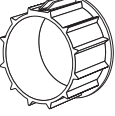


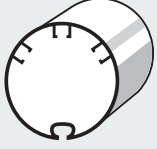
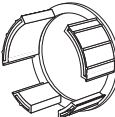
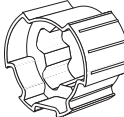
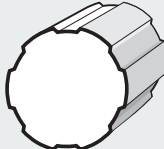
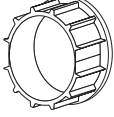
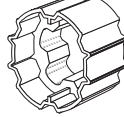
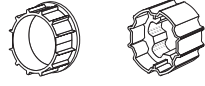
- For round link bars (Dia. 16 x 1 mm)

Part # 9910045

* Note: Maximum system load will vary depending on application. SOMFY recommends testing of component in actual application to determine its suitability.

500 SERIES MECHANICAL ACCESSORIES

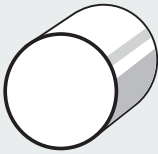
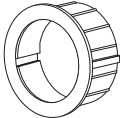
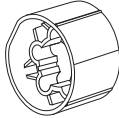

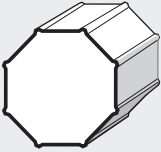
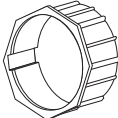
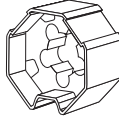
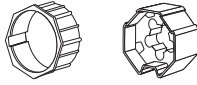
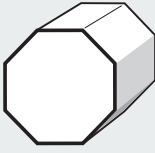
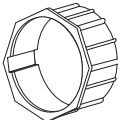
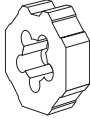
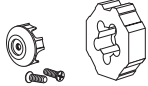
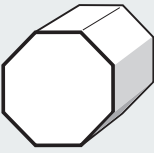
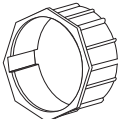
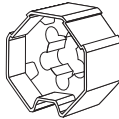
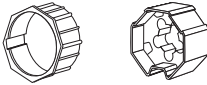
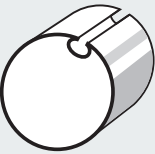
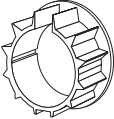
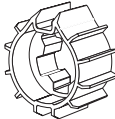
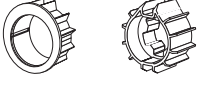
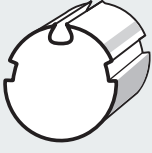
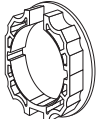
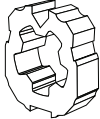
CROWNS AND DRIVES

TUBE PROFILE	CROWN	DRIVE	SET
 <p>ø 2 in. / 50 mm</p>	<p>No adaptor crown is required but 2 in. tube must be notched according to the dimensions shown below</p> 	 <p>2.0" Round LT50 Drive (50 mm x 1.5 mm) - Soft clip Part # 9206089</p> <p>2.0" Round LT50 Drive (50 mm x 1.5 mm) - Hard clip Part # 9206088</p>	
 <p>ø 2 in. / 50 mm</p>	<p>No adaptor crown is required but 2 in. tube must be notched according to the dimensions shown below</p> 	 <p>Sonesse 50 Drive Wheel (50 mm x 1.5 mm) - Soft clip Part # 9018455</p> <p>Sonesse 50 Drive Wheel (50 mm x 1.5 mm) - Hard clip Part # 9016630</p>	
 <p>ø 60 mm Octagonal IMBAC</p>	 <p>60 mm Octagonal LT50 Crown Part # 9707025</p>	 <p>60 mm Octagonal LT Drive Part # 9751001</p>	 <p>60 mm Octagonal LT50 Set Part # 9012233</p>
 <p>ø 2.5 in. / 63 mm</p>	 <p>2.5" Round LT50 Crown Part # 9707026</p>	 <p>2.5" Round LT Drive (63 mm x 1.5 mm) - Soft clip Part # 9206041</p> <p>2.5" Round LT Drive (63 mm x 1.5 mm) - Hard clip Part # 9206019</p>	 <p>2.5" Round LT50 Set "Hard Clip" Part # 9012231</p>
 <p>ø 65 mm MADOPRON Sun Master</p>	 <p>SM 65 LT50 Crown - 3 Grooves Part # 9707030</p>	 <p>SM 65 LT Drive Part # 9751002</p>	
 <p>ø 65 mm IMBAC</p>	 <p>I65 LT50 Crown Part # 9707024</p>	 <p>I65 LT50 Drive Part # 9751004</p>	 <p>I65 LT50 Set Part # 9012240</p>

* Note: Maximum system load will vary depending on application. SOMFY recommends testing of component in actual application to determine its suitability.

500 SERIES MECHANICAL ACCESSORIES

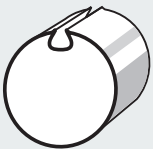

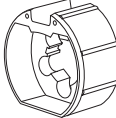
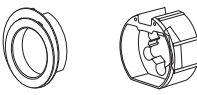
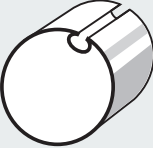
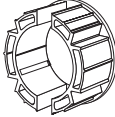
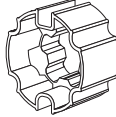
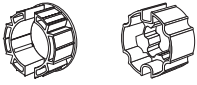
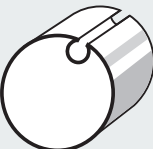

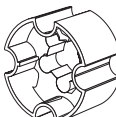

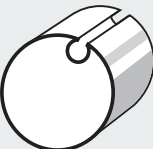
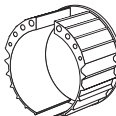
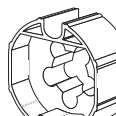
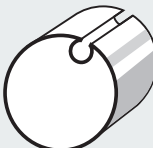
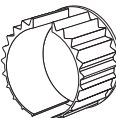
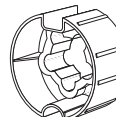
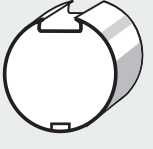
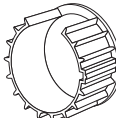
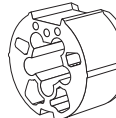
CROWNS AND DRIVES

TUBE PROFILE	CROWN	DRIVE	SET
 ø 2.75 in. / 70 mm	 2.75" Round LT50 Crown Part # 9707031 2.75" Round LT60 Crown Part # 9420342	 2.75" Round LT Drive (70 mm x 1.5 mm) - Soft clip Part # 9206026 2.75" Round LT Drive (70 mm x 1.5 mm) - Hard clip Part # 9206028	 2.75" Round LT50 Set Part # 9012232 2.75" Round LT60 Set Part # 9012246
 ø 70 mm Octagonal IMBAC	 70 mm Octagonal LT60 Crown Part # 9705340	 70 mm Octagonal LT Drive Part # 9761002	 70 mm Octagonal LT60 Set Part # 9012247
 ø 70 mm Octagonal IMBAC	 70 mm Octagonal LT60 Crown Part # 9705340	 70 mm Octagonal Aluminum LT50/60 Drive Part # 9011878	 70 mm Octagonal Aluminum LT50/60 Drive Wheel Kit (crown not included) Part # 9012227
 ø 70 mm Octagonal IMBAC	 70 mm Octagonal LT50 Crown (includes 2.5" LT50 Step-up Adaptor #9707026) Part # 9012328	 70 mm Octagonal LT Drive Part # 9761002	 70 mm Octagonal LT50 Set Part # 9012234
 ø 70 mm DOHNER	 DS 70 LT50 Crown (3 mm offset) Part # 9707034	 DS 70 LT Drive (0.8 - 1 mm wall thickness) (3 mm offset) Part # 9751005	 DS 70 LT50 Set (3 mm offset) Part # 9012237
 ø 71 mm AMA	 AMA/P71 LT50 Crown Part # 9997118	 AMA/P71 LT50 Drive Part # 9751015	

* Note: Maximum system load will vary depending on application. SOMFY recommends testing of component in actual application to determine its suitability.

500 SERIES MECHANICAL ACCESSORIES

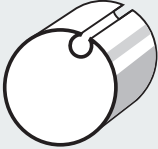
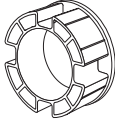
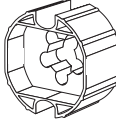
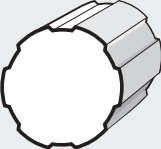
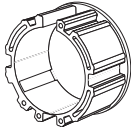
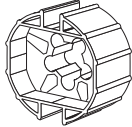
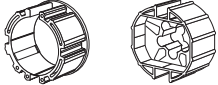
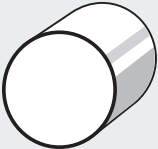
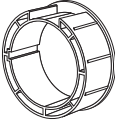
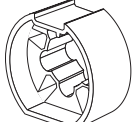

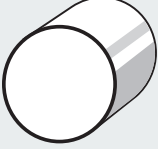



CROWNS AND DRIVES

TUBE PROFILE	CROWN	DRIVE	SET
 <p>ø 72 mm PERMA</p>	 <p>P72 LT60 Crown (4 mm offset) Part # 9277167 P72 LT50 Set (4 mm offset) Part # 9012329</p>	 <p>P72 LT Drive (4 mm offset) Part # 9761011</p>	 <p>P72 LT50 Crown Set (4 mm offset) Part # 9012235</p>
 <p>ø 74 mm DOHNER</p>	 <p>DS 74 LT50 Crown Part # 9707037</p>	 <p>DS 74 LT50 Drive Part # 9751009</p>	 <p>DS 74 LT50 Set Part # 9012238</p>
 <p>ø 78 mm IMBAC</p>	 <p>DS 78 LT50 Crown Part # 9707027 DS 78 LT60 Crown Part # 9705341</p>	 <p>DS 78 LT50/60 Drive Part # 9761001</p>	 <p>DS 78 LT50 Set Part # 9012239</p>
 <p>ø 78 mm MITSAVILA</p>	 <p>DS 78/R LT50 Crown (4.4 mm offset) Part # 9707640* + Part # 9707026* * Both parts required for LT50 compatibility DS 78/R LT60 Crown (4.4 mm offset) Part # 9707640</p>	 <p>DS 78/R LT Drive (4.4 mm offset) Part # 9761005</p>	
 <p>ø 78 mm IMBAC</p>	 <p>DS 78/D LT50 Crown (2.5 mm offset) * Both parts required for LT50 compatibility Part # 9707639* + Part # 9707026* DS 78/D LT60 Crown (2.5 mm offset) Part # 9707639</p>	 <p>DS 78/D LT Drive (2.5 mm offset) Part # 9761004</p>	
 <p>ø 78 mm MHZ</p>	 <p>LT60 Crown (78 mm) Part # 9762012</p>	 <p>LT60 Drive (78 mm) Part # 9761012</p>	

* Note: Maximum system load will vary depending on application. SOMFY recommends testing of component in actual application to determine its suitability.

500 SERIES MECHANICAL ACCESSORIES

CROWNS AND DRIVES

TUBE PROFILE	CROWN	DRIVE	SET
 <p>ø 85 mm DOHNER</p>	 <p>DS 85 LT50 Crown Part # 9707035 DS 85 LT60 Crown Part # 9705776</p>	 <p>DS 85 LT Drive Part # 9761003</p>	
 <p>ø 85 mm IMBAC</p>	 <p>I85 LT60 Crown Part # 9690085</p>	 <p>I85 LT Drive Part # 9420300</p>	 <p>I85 LT60 Set Part # 9012222</p>
 <p>ø 3.5" / 89 mm</p>	 <p>3.5" Round LT50 Crown (81 mm x 1 mm) Part # 9012656 3.5" Round LT60 Crown (89 mm x 2 mm) Part # 9520312</p>	 <p>3.5" Round LT Drive (89 mm x 2 mm) Part # 9420303</p>	 <p>3.5" Round LT50 Set Part # 9012236 3.5" Round LT60 Set Part # 9012248</p>
 <p>ø 4" / 102 mm</p>	 <p>4.0" Round LT60 Crown Part # 9420370</p>	 <p>4.0" Round LT Drive (102 mm x 2 mm) Part # 9420304 4.0" Round LT Drive (101.6 mm x 3.6 mm) Part # 9420309</p>	 <p>4.0" Round LT60 Set Part # 9012221</p>

* Note: Maximum system load will vary depending on application. SOMFY recommends testing of component in actual application to determine its suitability.

500 SERIES MECHANICAL ACCESSORIES

500 SERIES STANDARD AND CMO PRODUCT KITS

U.S. 3/4" SS Hardware Kit	U.S. 1" SS Hardware Kit	U.S. 1.25" SS Hardware Kit
1/4 - 20 x 3/4 hex head SS 18-8 bolt 1/4 flat washer SS 18-8 1/4 split lock washer 18-8 Qty. in package - 2 each Part # 9012297	1/4 - 20 x 1 hex head SS 18-8 bolt 1/4 flat washer SS 18-8 1/4 split lock washer 18-8 Qty. in package - 2 each Part # 9012298	1/4 - 20 x 1.25 hex head SS 18-8 bolt 1/4 flat washer SS 18-8 1/4 split lock washer 18-8 Qty. in package - 2 each Part # 9012299
Metric 20 mm SS Hardware Kit	Metric 25 mm SS Hardware Kit	Metric 30 mm SS Hardware Kit
M6 x 20 mm hex head cap screw SS Lock washer split M6 SS A2 M6 flat washer SS A2 Qty. in package - 2 each Part # 9012300	M6 x 25 mm hex head cap screw SS Lock washer split M6 SS A2 M6 flat washer SS A2 Qty. in package - 2 each Part # 9012301	M6 x 30 mm hex head cap screw SS Lock washer split M6 SS A2 M6 flat washer SS A2 Qty. in package - 2 each Part # 9012302
CMO Round Awning Override Kit		CMO ME Square Awning Override Kit
1/4 - 20 x 1.25 hex head SS 18-8 bolt 1/4 - 20 x 7/8 socket head cap screw Nut hex 1/4 - 20 18-8 SS 1/4 flat washer SS 18-8 1/4 split lock washer 18-8 CMO awning bracket with US thread CMO awning override short shaft Plastic bag 5 x 6 x .04 Qty. in package - 2 each Part # 9012348		1/4 - 20 x 3/4 hex head SS 18-8 bolt 1/4 - 20 x 1.25 hex head SS 18-8 bolt Nut hex 1/4 - 20 18-8 SS 1/4 flat washer SS 18-8 1/4 split lock washer 18-8 CMO awning bracket with ME US thread CMO awning override short shaft Plastic bag 5 x 6 x .04 Qty. in package - 2 each Part # 9012349
CMO Awning Kit without Awning Eye		CMO ME Awning Kit without Awning Eye
1/4 - 20 x 1.25 hex head SS 18-8 bolt 1/4 - 20 x 7/8 socket head cap screw Nut hex 1/4 - 20 18-8 SS 1/4 flat washer SS 18-8 1/4 split lock washer 18-8 CMO awning bracket with US thread Plastic bag 5 x 6 x .04 Qty. in package - 2 each Part # 9012362		1/4 - 20 x 3/4 hex head SS 18-8 bolt 1/4 - 20 x 1.25 hex head SS 18-8 bolt Nut hex 1/4 - 20 18-8 SS 1/4 flat washer SS 18-8 1/4 split lock washer 18-8 CMO ME awning bracket with US thread Plastic bag 5 x 6 x .04 Qty. in package - 2 each Part # 9012363

* Note: Maximum system load will vary depending on application. SOMFY recommends testing of component in actual application to determine its suitability.

DECOFLEX RTS, SDN & DRY CONTACT

Button Engraving Order Form

Customer Name: _____ Customer #: _____

SHIPPING

Shipping Information

Ship to: Default Shipping Address ☐ Drop Ship ☐
 Name: _____
 Address: _____
 City: _____ State: _____ Zip: _____
 Phone: _____

Project Information

Project Name: _____
 Installer Name/Company: _____
 P/O #: _____ Order #: _____
 Area: _____
 Room: _____

STYLE

Button Color

WHITE ☐ #9018259 IVORY ☐ #9018260 BLACK ☐ #9018261

Switch Type

RTS ☐ Somfy Digital Network (SDN) RS485 ☐ Dry Contact ☐
Available in White only

ENGRAVING OPTIONS

Buttons (A-F) 9 Characters Maximum (including spaces)	QTY.
A	
B	
C	
D	
E	
F	
G	
H	

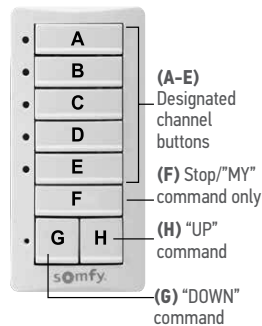
(F): Command Button by default is labeled STOP on the DecoFlex RTS and Dry Contact Switches only.

NOTE: G and H buttons by default are labeled as follows:

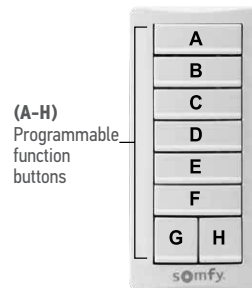
(G = down ▼ icon) WHITE - #9018263 IVORY - #9018264 BLACK - #9018265
 (H = up ▲ icon): WHITE - #9018267 IVORY - #9018268 BLACK - #9018269

If you prefer they can be substituted with an associated command NAME (UP, DOWN, LOWER, etc.) up to 5 characters.

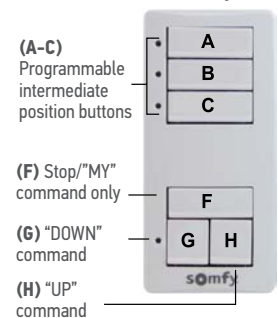
DecoFlex RTS



DecoFlex SDN



DecoFlex Dry Contact



Engraving Options - Default option will be used if nothing is selected.

Character Types: (choose one)

☐ ALL LETTERS CAPITALIZED (Default) ☐ First Letters Capitalized ☐ As written in above section

Payment terms of your account will apply.

All engraved switches are custom made and are non-cancellable.

Please send form to: Fax # 609-495-8117 or e-mail to: Ordering_us@somfy.com

SOMFY SYSTEMS INC
 121 Herrod Blvd.
 Dayton, NJ 08810
 Phone: (800) 22-SOMFY
 NJ: (609) 395-1300
 Fax: (609) 495-8118
somfysystems.com

Florida
 6100 Broken Sound Pkwy.
 N.W., Suite 14
 Boca Raton, FL 33487
 Phone: (877) 227-6639
 Fax: (561) 995-7502

California
 15301 Barranca Parkway
 Irvine, CA 92618-2201
 Phone: (877) 727-6639
 Fax: (949) 727-3775

SOMFY ULC
SOMFY Canada Division
 5178 Everest Drive
 Mississauga, Ontario L4W2R4
 CN: (905) 564-6446
 Fax: (905) 238-1491

© Copyright Somfy Systems, Inc. 4/2018
 P-0013

somfy

About Somfy

"SOMFY® is the leading global manufacturer of strong, quiet motors with electronic and app controls for interior window coverings and exterior solar protections. Over 270 million users worldwide enjoy the more than 170 million motors produced by Somfy. During the past 50 years, Somfy engineers have designed products for both the commercial and residential markets to motorize window coverings such as interior shades, wood blinds, draperies, awnings, rolling shutters, exterior solar screens and projection screens. Somfy motorization systems are easily integrated with security, HVAC and lighting systems providing total home or building automation."

SOMFY SYSTEMS INC SOMFY NORTH AMERICAN HEADQUARTERS

121 Herrod Blvd.
Dayton, NJ 08810
T: (800) 22-SOMFY (76639)
NJ: (609) 395-1300
F: (609) 395-1776

FLORIDA

1200 SW 35th Ave.
Boynton Beach, FL 33426
T: (800) 22-SOMFY (76639)
F: (561) 995-7502

CALIFORNIA

15301 Barranca Parkway
Irvine, CA 92618-2201
T: (800) 22-SOMFY (76639)
F: (949) 727-3775

SOMFY ULC

SOMFY Canada Division

5178 Everest Drive
Mississauga, Ontario L4W2R4
T: 1-800-66-SOMFY (76639)
CN: (905) 564-6446
F: (905) 238-1491

www.somfysystems.com

A BRAND OF **SOMFY** GROUP

© Copyright Somfy Systems, Inc. 4/2020
Images: © SAS/Childeric