

INTELLIGENT SHADE MANAGEMENT

Somfy Digital Network
Reference Book 2023



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Part 1

Things you need to know about Somfy Digital Network



WHY SOMFY DIGITAL NETWORK?

Initial need was to offer Crestron, AMX and similar companies the possibility to control our motors in high end residential projects, hotels and conference rooms.

The first products launched were ILT motors and SDN-RTS gateway. In a second step, Somfy decided to develop a complete Somfy proprietary solution with animeo IP.

TODAY AND FOR THE FUTURE

The Somfy Digital Network (SDN) is the latest generation of bus-line controlled tubular motors and controls. SDN is on the RS485 network that can be used over a long distance and with a huge amount of products.





SOMFY DIGITAL NETWORK: THE WIRED BI-DIRECTIONAL STANDARD FOR SOMFY

SDN: Wired bi-directional technology allowing interconnection

with a wide range of third parties centralized building management and home automation systems (AMX, Crestron, Control 4, ...).

Overview of SDN

Intro to Somfy Digital Network

The Somfy Digital Network (SDN) is the latest generation of bus-line enabled Intelligent Tubular Motors and Smart Switch Controls. The SDN components are integrated into a cost effective system designed to operate a wide range of end products such as solar screens, projection screens and Venetian blinds over a standard RS-485 network.

The SDN system is a standard half duplex, bi-directional RS-485 network. Bi-directional communications makes it possible to receive feedback from each motor on the network. This allows the system to view the position and status of any motor on the network, in real time. Since the SDN network runs over standard network architecture, it is possible to establish a remote connection to the system from anywhere internet access is available. This defines a new level of commissioning and support services that can be offered for today's energy efficient Intelligent Building.

Control Versatility

The recommended digital control devices for home or building projects operate using the Somfy Digital Network. The Somfy Digital Network could be used either as a stand-alone option or including animeo IP. Stand-alone SDN systems feature different control options than animeo IP systems.



Compatibility

Somfy motors are offered in a wide range of sizes and window treatment types for retrofit or new construction projects. Some of the power supply options increase design flexibility when wiring hard to reach or inaccessible areas.

BENEFITS OF SOMFY DIGITAL NETWORK

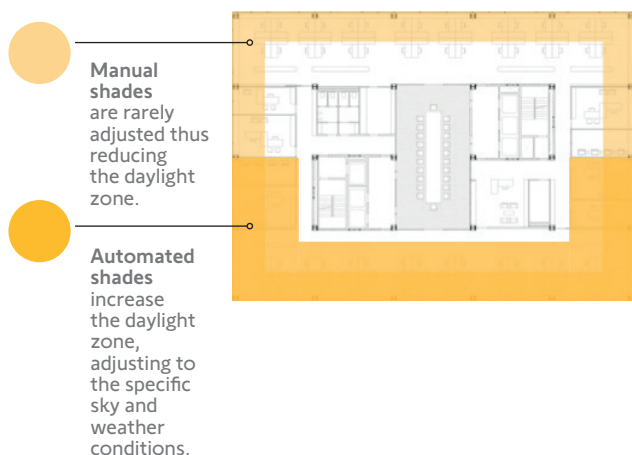


Natural Light Management

Automatically managing motorized window coverings reduces dependency on artificial light, allowing more natural light for increased visual comfort of occupants as well as energy savings.

Extended Daylight Zone Automated Shades

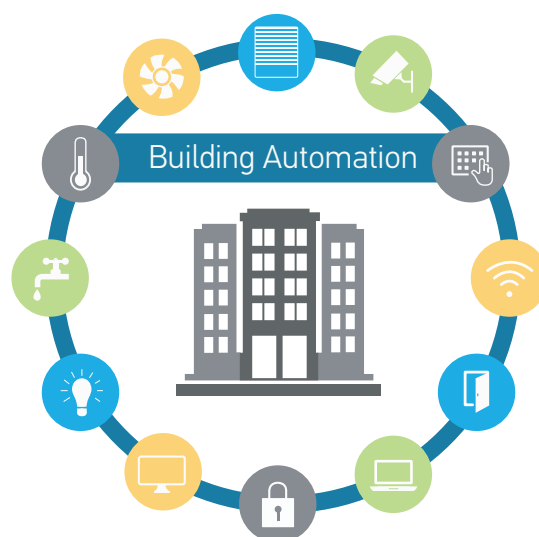
A daylight zone is an area within a building that is expected to receive consistent daylight.



Building Integration

Motor and control integration is a dynamic sector of the product offering by Somfy. Somfy motors offer a high torque ranges while operating with low sound levels which is a valuable combination for the shading market.

- Communicate with Building Management Systems
- Communicate to third-party automation systems through RS485, RS232 serial protocols and dry contact closure as well as energy savings.



Dynamic Insulation™

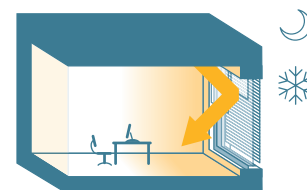
Motorized window coverings are raised and lowered according to changes in outdoor weather conditions and indoor comfort needs based on input from sensors, pre-programmed settings, or local occupant controls.

Summer strategy



Lower window coverings during the hottest part of the day to reduce heat gain.

Winter strategy



Lowered window coverings prevent heat loss through windows during nighttime hours.

FLEXIBILITY WITH MANY BUILDING TYPES

Somfy has experience designing dynamic control solutions based on the unique requirements of all building types including both new and retrofit. At Somfy, we're passionate about creating solutions that ensure the best possible working and living conditions for all types of buildings!



Education



Healthcare



Hospitality



Offices



Retail



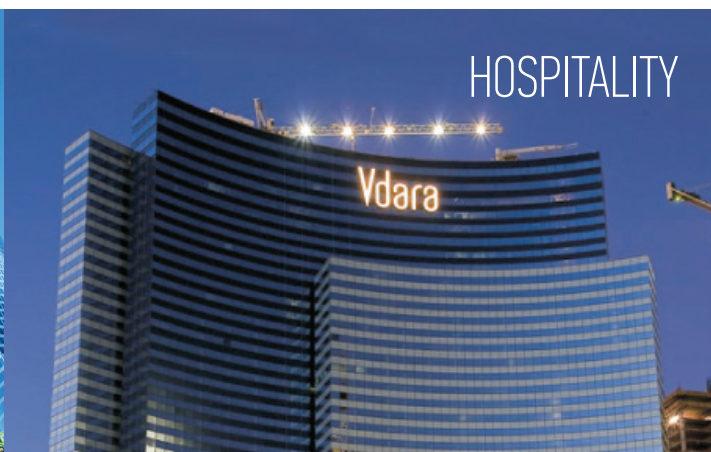
Transportation



Leisure



Residential



BUILDING MANAGEMENT SOLUTION





5 YEARS WARRANTY

WARRANTY

Somfy provides a 5-year warranty on all motors.

When you choose Somfy motorization for your customers, 5-year you choose the confidence of a five-year warranty and a 50 year reputation for well designed, high quality reliability. You receive the customer service and support you'd expect from a world leader, focusing on a better way of living.

Part 2

Use Cases



Third party integration with SDN

System Integration via SDN Protocol: Crestron, AMX, Control 4, Clipsal, etc.



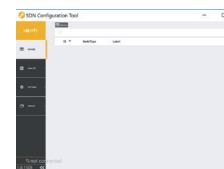
SDN Wiring guide



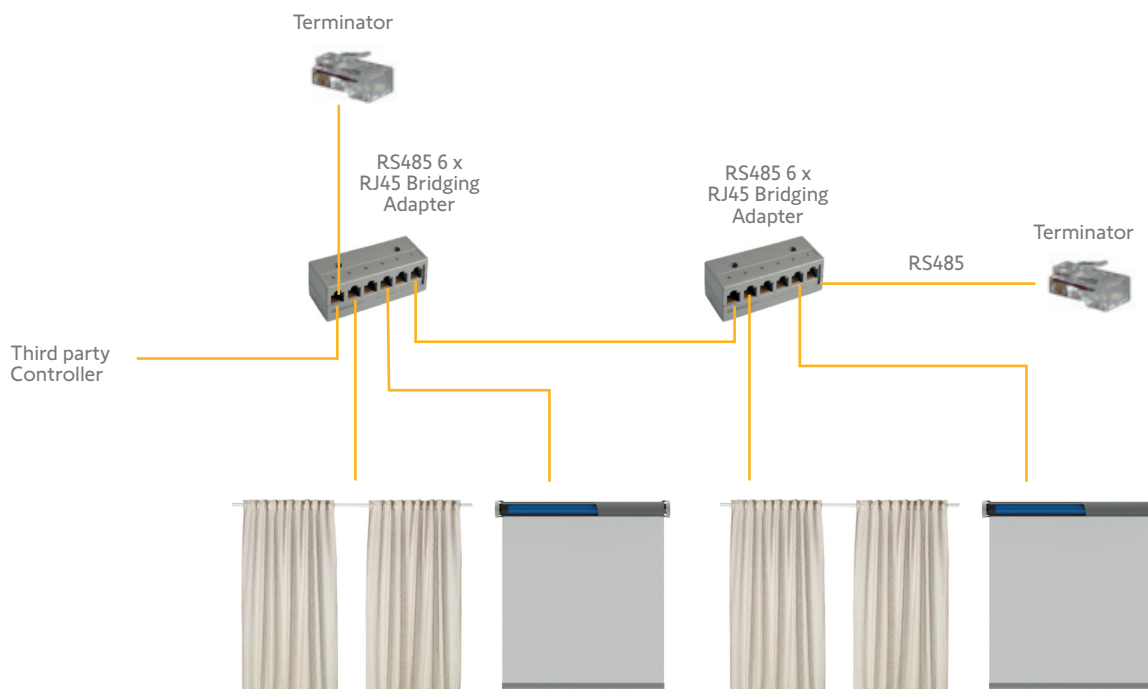
Integration guide



Frame Builder



SDN Configuration tool

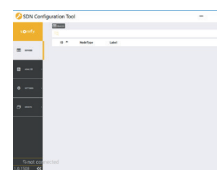


Third party integration with KNX

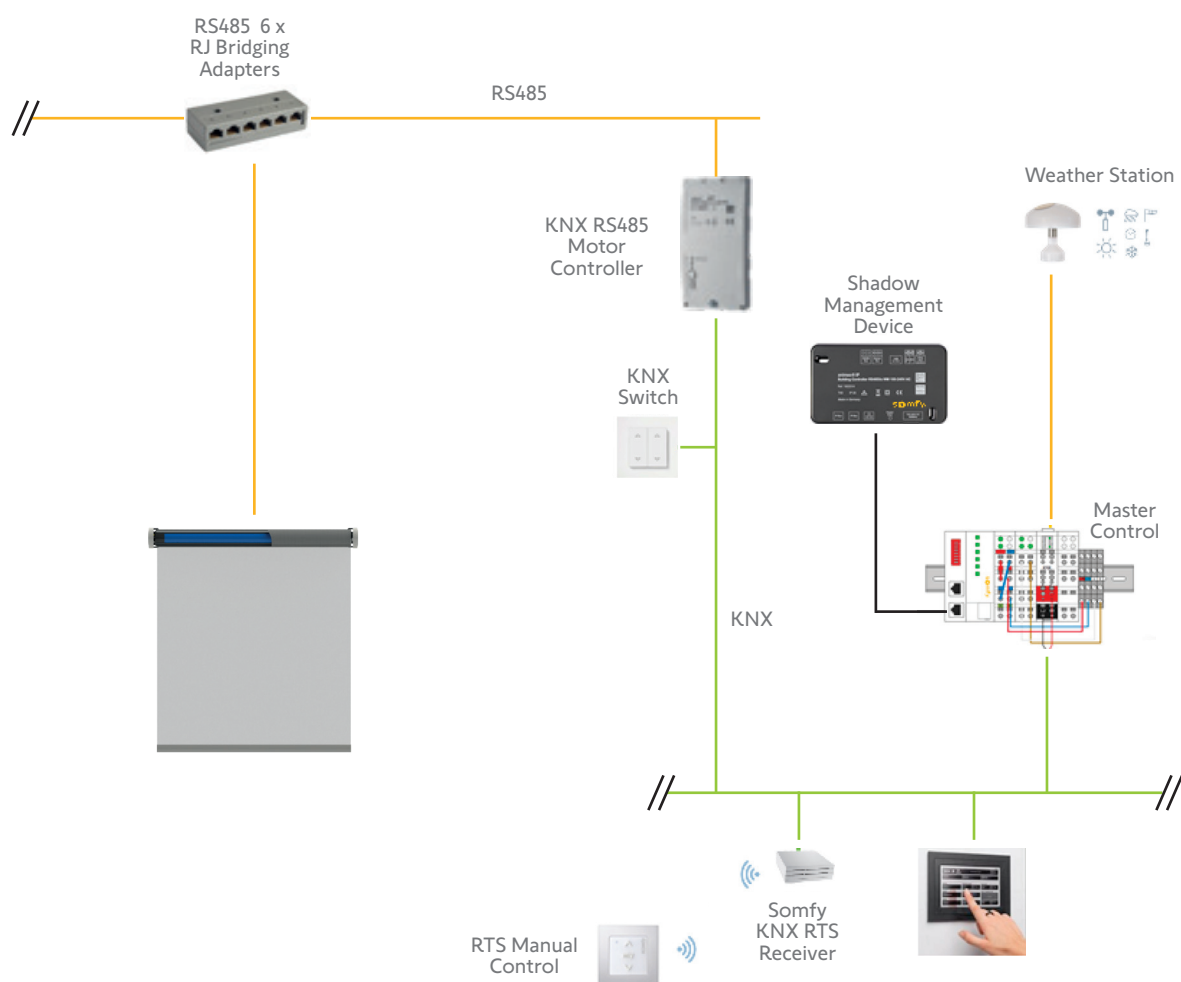
No tilt function compatibility with KNX Gateway.
Forecasted Q4 2023



SDN Wiring guide



SDN Configuration tool



Part 3

Products



Part 3.1

Motors

Sonesse® 30 RS485



New and improved Somfy quiet DC motorization for small profiles shades, dedicated to interior applications.

Somfy +

→ **Recommended to use with:**
Sonesse® 30 range of accessories (shared with WireFree range)

→ **Recommended to set with:**
RS485 Setting Tool (ref. 9017142)

Compatible end-products



Roller shades



Pleated and Cellular shades



Roman shades



Venetian blinds



Layered shades

Product main functionalities



Designed for silence



Easy limit setting



Position feedback



Motor node id
Easy localization with motor node id



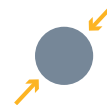
Adjustable speed



Regulated speed



Soft start and Soft stop



Thin head
Black and thin round head for discreet blending.

Benefits for professionals

Easy integration

- Perfect blending in the interior
- Very thin round head to reduce light gap
- 3 head covers colors (white, black and grey) to adapt to the decor
- Suitable for tubes diameter 31 mm or more (internal diameter)
- Low voltage 24VDC power and easy wiring DC power sage and easy wiring

Quick setting using RS485 setting tool

- Settings through the network
- Node ID discovery
- Adjustable speed from 6 to 28 rpm

Take benefits of RS485

- Easy customization of groups from the controller
- Feedback on the network
- Up to 16 "my" positions

Open Protocol

- RS485 is an open protocol available for any integrator
- Safe protocol

Benefits for end users

Comfort, Convenience and Privacy

- Convenient solution for glare reduction and privacy
- Superior quiet performance

Take benefits of RS485 bi-directionality

- Move your blind to your wished position and be informed when it has been reached
- Get information status from the motor

Discreet integration and home harmony

- Thin round head for perfect blending
- White head cover (Black and grey as an option)

Smooth operations

- Soft stop and soft start
- Adjustable speed

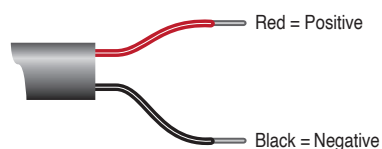
Sonesse® 30 RS485



Technical data

Voltage supply	24 V DC
Index protection rating	IP 30
Limit switch unit	Electronic
Limit switch capacity	125 turns
Temperature working range	0°C to 60°C
Electric insulation	Class III

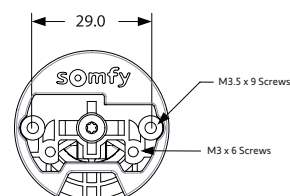
Power cable



RS485 cable



Round head



Performances

Sound level (dBA)*	< 47
Adjustable speed (rpm)	10 to 28 (speed regulated and adjustable)
Torque (Nm)	2
Speed (rpm)	25

*Power level at nominal torque and speed.

Dimensions

Motor length (L)	479mm
Head thickness (H)	8mm
Head diameter Ø (D)	38mm
Tube min Ø (int)	27.6mm



Certifications



Sonesse® 40 RS485



The digital offer of the acoustic standard for Interior Window Covering. Offers flexibility with many building types (education, health care, hospitality, offices, retail, transportation, leisure, residential).

Somfy +

→ Recommended to use with:
Silent accessories

→ Recommended to set with:
RS485 Setting Tool
(ref. 9017142)

Compatible end-products



Roller shades



Pleated and Cellular shades



Roman shades



Venetian blinds



Layered shades



Sheer horizontal shades



Woven wood

Product main functionalities



Designed for silence



Easy limit setting



Position feedback



Motor node id
Easy localization with motor node id



Thin head
Black and thin round head for discreet blending.



Manage separately
Lift and Tilt functions

Benefits for professionals

Easy integration

- Perfect blending in the interior
- White and very thin round head
- Reduced light gap
- 3 head covers (white, black and grey) to adapt to the decor
- Suitable for tubes diameter 37mm or more (internal diameter)

Quick setting using RS485 setting tool

- Settings through the network
- Node ID discovery

Take benefits of RS485

- Easy customization of groups from the controller
- Feedback on the network
- Up to 16 "my" positions

Open protocol

- RS485 is an open protocol available for any integrator
- Safe protocol

A wide range

- From 3 to 9 Nm
- Worldwide voltage

Benefits for end users

Comfort, Convenience and Privacy

- Convenient solution for glare reduction and privacy
- Superior quiet performance

Specific venetian application mode

- Possibility to manage separately the tilt and lift position except with KNX Gateway (forecasted Q4 2023)

Take benefits of RS485 bi-directionality

- Move your blind to your wished position and be informed when it has been reached
- Get information status from the motor

Discreet integration and home harmony

- Thin round head for perfect blending
- White head cover (Black and grey as an option)

Smooth operations

- Soft stop and soft start
- Adjustable speed

Somesse® 40 RS485



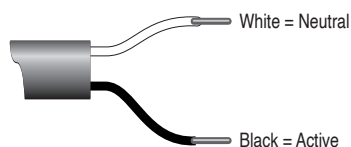
Technical data

Voltage supply	AC
Index protection rating	IP 31
Limit switch unit	Electronic
Limit switch capacity	250 turns
Temperature working range	0°C to 60°C
Electric insulation	Class II

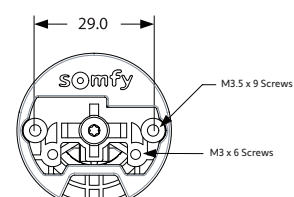
230 V / 220 V



120 V



Round head



RS485 cable



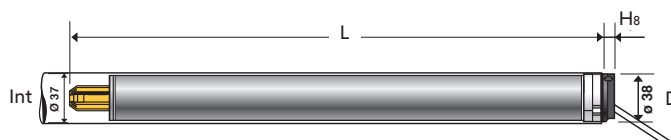
Performances Ongoing project, specifications might slightly change

Nominal voltage	230 V / 50 Hz			220 V / 60 Hz			120 V / 60 Hz		
Torque (Nm)	3	6	9	3	6	9	4	6	9
Speed (rpm)	30	20	12	36	24	14	36	24	14
Sound level (dBA)*	42	45	40	42	44	40	42	44	40

*Power level at nominal torque and speed.

Dimensions Ongoing project, specifications might slightly change

Motor length (L)	506	537	537	-	-	-	506	537	537
Head thickness (H)	8mm								
Head diameter Ø (D)	38mm								
Tube min Ø (int)	37mm								



Certifications



LT 50 RS485



The proofed digital diameter 50 mm motor for blinds and screens.

Somfy +

Take full
benefits of RS485
bi-directionnality

→ Recommended
to set with:
RS485 Setting Tool
(ref. 9017142)

Compatible end-products



Roller
shades



Roman
shades



Projection
screens



Layered
shades

Product main functionalities



Easy
limit setting



Position
feedback



Motor node id
Easy localization
with motor node id



Star head
6 possibilities
to orientate the motor
head.

Benefits for professionals

Easy integration

- Removable power cable
- Removable data cable

Easy Installation

- Available in star head
(6 possibilities to orientate
the motor head)

Quick setting using RS485 setting tool

- Down and up end limits
- Motor rotation direction
- Readjustment of end limits
- Reset motor settings
- Up to 16 «my» position
- Node ID discovery

Setting from a distance

- Up and down end limits set
by RS485 setting tool
- Visual feedback of the product
to confirm any step of setting
and programming

Take benefits of RS485 feedback

- Easy customization of the
groups from the controller

Access to RS485 product range for more benefits

- Optimized system solution

Open Protocol

- RS485 is an open protocol
available for any integrator

A wide range

- From 6 to 50 Nm
(depending to areas)

Benefits for end users

Simple, effortless and comfort

- Move your shades effortlessly

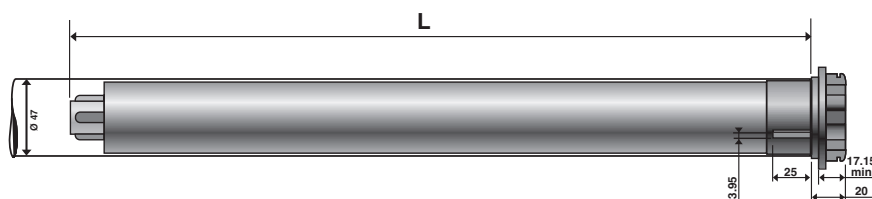
Take benefits of RS485 bi-directionality

- Move your blind to your wished
position and be informed when
it has been reached

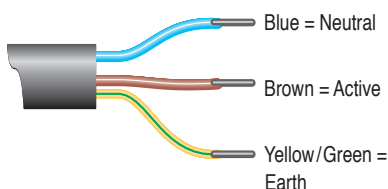
LT 50 RS485

Technical data

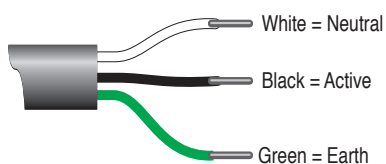
Thermal time	4 min for 230 V, 120 V, 220 V 5 min for 100 V
Supply	AC
Index protection rating	IP 44
Limit switch unit	Electronic
Limit switch capacity	300 turns for 230V, 120V, 220V 500 turns for 100 V
Temperature working range	-20°C to +60°C
Electric insulation	Class I



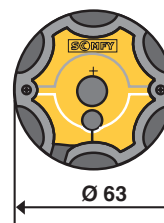
230 V / 220 V



120 V / 100 V



Star head



Performances

Nominal voltage	230 V / 50 Hz						120 V / 60 Hz		100 V / 50-60 Hz			220 V / 60 Hz		
Torque (Nm)	6	6	15	15	35	50	15	35	5	20	30	12	6	18
Speed (rpm)	32	17	17	32	17	12	38	20	32/38	17/20	17/20	38	20	20

Dimensions

L (mm)	605	605	605	675	675	675	675	675	605	605	605	-	605	-
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Certifications



Sonesse 50 RS485



The digital offer of the new acoustic standard for Interior Window Covering.



Somfy +

Quiet operation and full benefits of RS485 bi-directionality

→ Recommended to use with:
Silent accessories

→ Recommended to set with:
RS485 Setting Tool (ref. 9017142)

Compatible end-products



Roller shades



Roman shades



Pleated and Cellular shades



Venetian blinds*



Projection screens



Layered shades

* No management for lift function

Product main functionalities



Designed for silence



Easy limit setting



Position feedback



Motor node id
Easy localization with motor node id



Star head
6 possibilities to orientate the motor head.

Benefits for professionals

Easy integration

- Suitable for tubes diameter 47 mm or more (internal diameter)
- Same integration process as LT 50 & Altus 50
- Removable power cable
- Removable data cable

Easy Installation

- Available in star head (6 possibilities to orientate the motor head)

Quick setting using RS485 setting tool

- Down and up end limits
- Motor rotation direction
- Readjustment of end limits
- Reset motor settings
- Up to 16 «my» position
- Node ID discovery

Setting from a distance

- Up and down end limits set by RS485 setting tool
- Visual feedback of the product to confirm any step of setting and programming

Take benefits of RS485 feedback

- Easy customization of the groups from the controller

Access to RS485 product range for more benefits

- Optimized system solution

Open Protocol

- RS485 is an open protocol available for any integrator

Benefits for end users

Simple, effortless and comfort

- Quiet operation
- Move your shades effortlessly

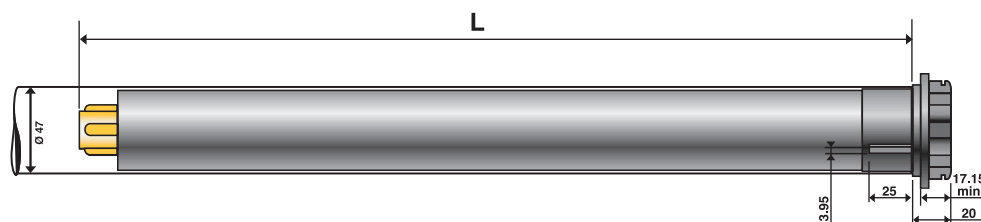
Take benefits of RS485 bi-directionality

- Move your blind to your wished position and be informed when it has been reached

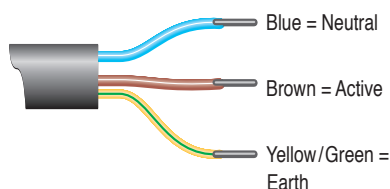
Sonesse 50 RS485

Technical data

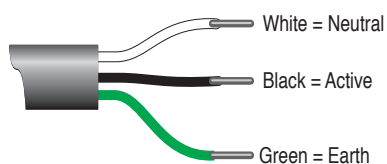
Thermal time	4 min
Supply	AC
Index protection rating	IP 44
Limit switch unit	Electronic
Limit switch capacity	300 turns
Temperature working range	-20°C to +60°C
Electric insulation	Class I



230 V / 220 V



120 V / 100 V



Star head



Performances

Nominal voltage	230 V / 50 Hz				120 V / 60 Hz		220 V / 60 Hz	
Torque (Nm)	6	6	15	10	6	10	5	10
Speed (rpm)	17	28	17	28	32	32	32	32

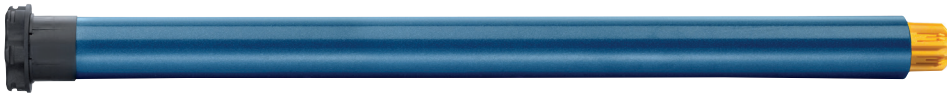
Dimensions

L (mm)	653	653	653	673	653	673	653	673
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Certifications



Sonesse ULTRA 50 RS485 AC



The quietest and strongest motor on the market:

ULTRA quiet

ULTRA powerful

ULTRA flexible

Somfy +

Quiet operation
and full benefits of RS485
bi-directionnality

Compatible end-products



Roller
shades



Pleated and
Cellular
shades

- Recommended
to use with:
- Silent accessories
 - Silent fabric
 - Professional installation

- Recommended
to set with:
RS485 Setting Tool
(ref. 9017142)

Product main functionalities



**Designed
for silence**



**Easy
limit setting**



**Position
feedback**



Motor node id
Easy localization
with motor node id



Star head
6 possibilities
to orientate the motor
head.

Benefits for professionals

Easy integration

- Suitable for tubes diameter 47 mm or more (internal diameter)
- Removable power cable
- Removable data cable

Easy Installation

- Available in star head (6 possibilities to orientate the motor head)

Quick setting using RS485 setting tool

- Down and up end limits
- Motor rotation direction
- Readjustment of end limits
- Reset motor settings
- Up to 16 «my» position
- Node ID discovery

Setting from a distance

- Up and down end limits set by RS485 setting tool
- Visual feedback of the product to confirm any step of setting and programming

Take benefits of RS485 feedback

- Easy customization of the groups from the controller

Access to RS485 product range for more benefits

- Optimized system solution

Open Protocol

- RS485 is an open protocol available for any integrator

Polyvalent offer

- Unique motor to cover all application

Benefits for end users

Simple, effortless and comfort

- Ultra Quiet operation
- Move your shades effortlessly

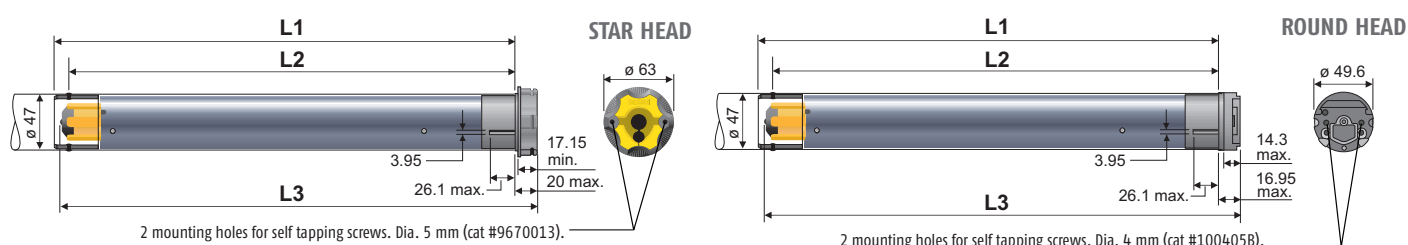
Take benefits of RS485 bi-directionality

- Move your blind to your wished position and be informed when it has been reached

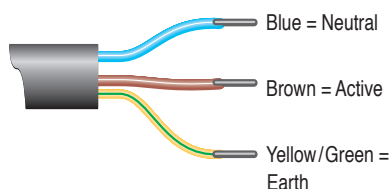
Sonesse ULTRA 50 RS485 AC

Technical data

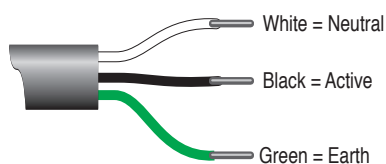
Thermal time	4 min
Supply	AC
Index protection rating	IP 31
Limit switch unit	Electronic
Limit switch capacity	300 turns
Temperature working range	0°C to +60°C
Electric insulation	Class I



230 V / 220 V



120 V / 100 V



Performances

Nominal voltage	230 V / 50 Hz	120 V / 60 Hz	220 V / 60 Hz
Torque (Nm)	6	6	6
Speed (rpm)	20	24	24

Dimensions

L (mm)	838	857	857
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Certifications



Sonesse ULTRA 50 RS485 DC



The quietest and strongest motor on the market:

ULTRA quiet

ULTRA powerful

ULTRA flexible

Somfy +

Quiet operation
and full benefits of RS485
bi-directionnality

Compatible end-products



Roller
shades



Pleated and
Cellular
shades

- Recommended
to use with:
- Silent accessories
 - Silent fabric
 - Professional
installation

- Recommended
to set with:
RS485 Setting Tool
(ref. 9017142)

Product main functionalities



Designed
for silence



Easy
limit setting



Position
feedback



Motor node id
Easy localization
with motor node id



Square head

Benefits for professionals

Easy integration

- Suitable for tubes diameter 47 mm or more (internal diameter)
- Removable power cable
- Removable data cable

Easy Installation

- Available in square head

Quick setting using RS485 setting tool

- Down and up end limits
- Motor rotation direction
- Readjustment of end limits
- Reset motor settings
- Up to 16 «my» position
- Note ID discovery

Easy setting

- Up and down limits and my position can be set from a distance (RS485 setting tool)
- Through buttons on motor head
- Visual Feedback: LED on motor head

Take benefits of RS485 feedback

- Easy customization of the groups from the controller

Access to RS485 product range for more benefits

- Optimized system solution

Open Protocol

- RS485 is an open protocol available for any integrator

Polyvalent offer

- 4N/25 rpm, unique motor to cover all application

Benefits for end users

Simple, effortless and comfort

- Ultra Quiet operation
- Move your shades effortlessly

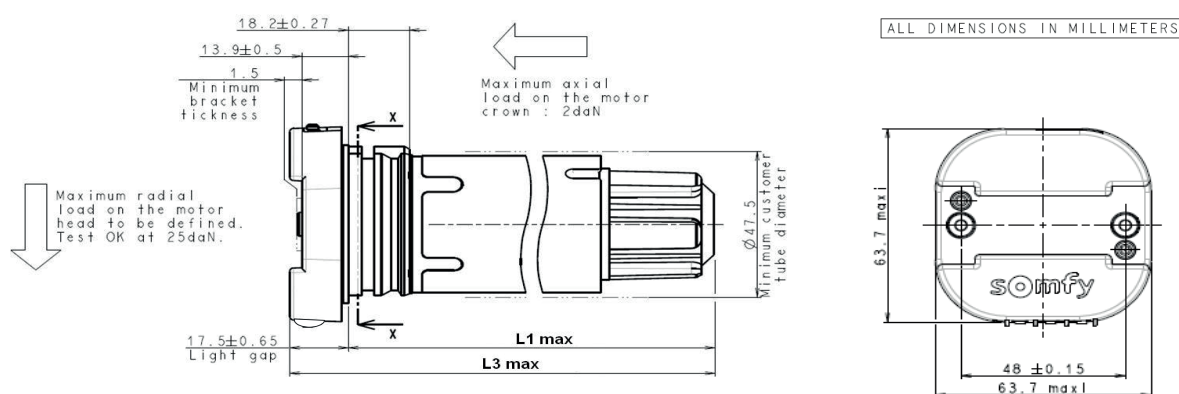
Take benefits of RS485 bi-directionality

- Move your blind to your wished position and be informed when it has been reached

Sonesse ULTRA 50 RS485 DC

Technical data

Thermal time	5 min
Supply	24 V DC
Index protection rating	IP 20
Limit switch unit	Electronic
Limit switch capacity	38 turns
Temperature working range	0°C to +60°C
Electric insulation	Class III



Performances

Nominal voltage	24 V DC
Torque (Nm)	4
Speed (rpm)	25

Dimensions

L (mm)	780
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Certifications



Glydea Ultra RS485



A premium solution for high-end commercial/hospitality and residential properties: ultra-quiet, reliable and adaptable to future upgrade.
The RS485 module is adaptable to the Glydea Ultra DCT or Glydea Ultra RTS and allows for bi-directional communication applications.



Somfy +

Quiet operation and full benefits of RS485 bi-directionality

→ Recommended to use with:
Silent accessories

→ Recommended to set with:
RS485 Setting Tool
(ref. 9017142)

Compatible end-products



Curtain



Pinch pleat



RippleFold®



Accordia®

Product main functionalities



Designed for silence



Soft start and Soft stop



Touch Motion



Manual operation possible in case of power failure



"my" function
One click to your favorite position.



Automatic end limits



Adjustable end limits



Information feedback

Benefits for professionals

Easy installation

- No maintenance necessary after installation

Easy re-setting

- Programming button and LED on motor

Reliability and services

- Somfy quality & warranty

Reduce SKU inventory: only RS485 module is required for Glydea Ultra DCT / RTS

Benefits for end users

Daily convenience and comfort

- Low noise level of the motorized track thanks to the "silent mode" functionality
- Reduce light gap thanks to the rail design and the swivel ceiling bracket
- Build-in manual override eliminates damage to the fabric

Aesthetic integration

- Discreet design allows management of cable
- Adjustable limits for customized curtain positioning

Safety and reliability

- Somfy quality and warranty

Glydea Ultra RS485

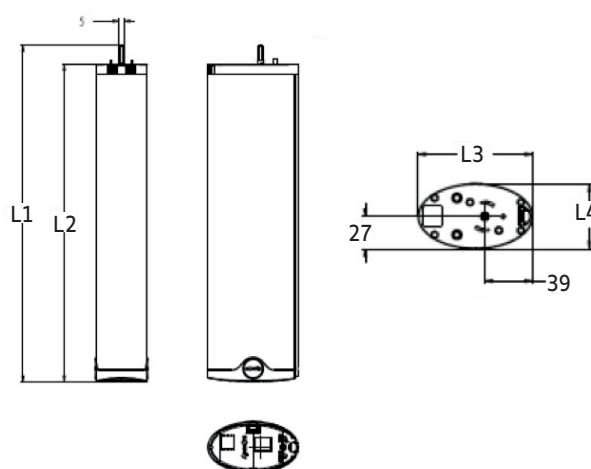


Technical data

Power supply	90V to 250V – 50/60Hz
IP code	IP 30
Working temperature	0°C to 60°C
Insulation class	Class I

Dimensions

L1	348mm
L2	328mm
L3	93mm
L4	53mm



Performances

Nominal torque	0.6 Nm / 1.0 Nm
Speed	7.5 (silent mode) – 12.5 – 15 – 17.5 – 20cm/s
Mode option	Silent mode / high speed mode
Sound level	38 dBA in silent mode
Loading	Up to 35kg / Up to 60kg
Track length	Maximum 10m / 12m Minimum bending radius 300mm

Certifications



* Q4 2023



Part 3.2

Controls

RS485 Motor Controller WM



Ref. 1860286

The KNX RS485 Motor Controller enables the controlling of up to 18 motors. The motors can be controlled either individually or by groups.

RS485 motors can be connected via bridging adapter. Different motor types can be used.

Product Features

- Flexible installation: suspended ceiling/raised floor, under-window or wall-mounted wiring channels.
- Quick installation and connection of the motor controller through:
 - Plug and play solution
 - Cable tension relief points to tighten cables to the housing of the product
 - Daisy chaining of several RS485 motors.
- With the Somfy SDN configuration software the motor settings can be done before configuring via ETS software.
- Perfect alignment of the blind thanks to the increment encoder technology of the RS485 motors.
- The exact position of the blind during move and when reaching the upper and lower end limits can be monitored.
- Using a one Byte telegram over the KNX, the blind can be moved to numerous intermediate positions.

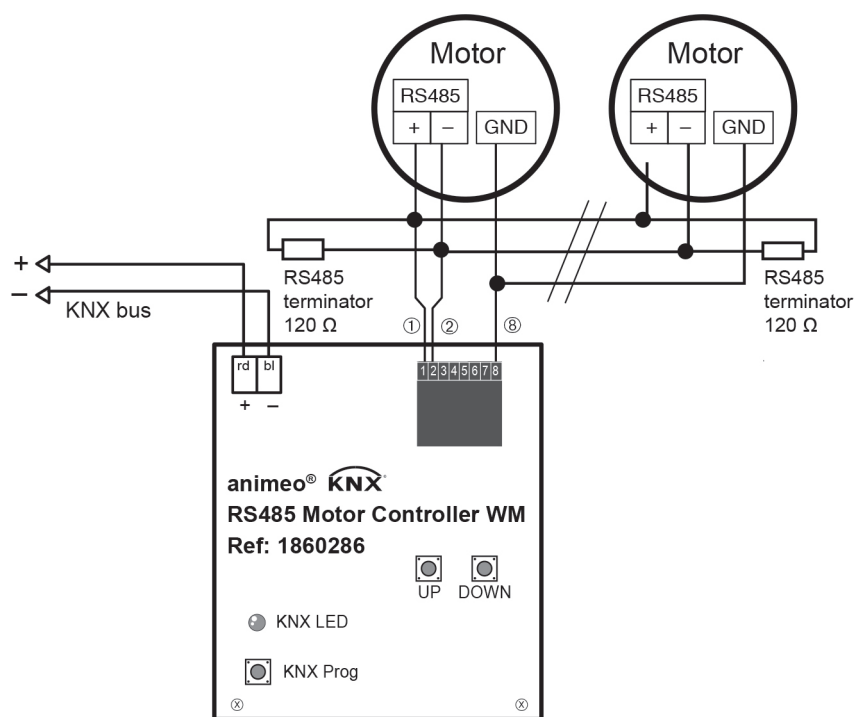
Wiring

Connection	Cables	Twisted pairs	Max. distance
RS485 bus Modular Jack 8P4C (RJ45)	Min.: 4 x 2 x 0.5 mm/24 AWG	Required twisted pair shielded, Impedance 100 Ω (-10 Ω/+30 Ω), Recommended CAT5-FTP, Following Somfy RS485 guidelines	200 m
KNX bus	2 x 0.8 mm/20 AWG	Required, following KNX topology guidelines	-

Classification

The Motor Controller is an electronically and manually-operated, independently-mounted control.

- Class A control function
- Type 1 action
- Pollution degree: 2
- Temperature of the ball hardness test: 75 °C
- Type X attachment
- Method of attachment for non-detachable cords: screwless spring terminal



Characteristics

KNX RS485 MOTOR CONTROLLER WM	REF. 1860286
Supply voltage from KNX bus	KNX voltage 21...32 V DC, SELV
Rated current consumption KNX	As per KNX guidelines, <= 12.5 mA
Supply voltage of local push buttons	SELV, 16 V DC
Terminals	RJ45
Operating temperature	- 5 °C to 50 °C
Relative humidity	max. 85 %
Material of housing	PC-ABS
Housing dimensions (w x h x d)	90 x 180 x 45 mm
Degree of protection	IP 20
Protection class	III
Pollution degree	2
Conformity	www.somfy.com/ce

RTS Receiver 433 MHz WM



Ref. 1860292

Universal radio receiver to forward orders from Somfy RTS transmitters to the KNX bus for the integration with any application.

The receiver enables the controlling of shades, any switch function, lighting and dimming or HVAC. The receiver is simply powered over the KNX bus network.

Installation advantages

- Suitable for visible or non visible wall-mounting environments and on flush-mounted boxes.
- Somfy RTS transmitters can easily be trained in via a display independent of the ETS software.
- The device is powered over the KNX bus network.

Functional advantages

- Enables control of all types of solar shadings and other applications (switch functions, lighting and dimming, HVAC) via the same remote control.
- Up to 10 universal radio inputs with max. 5 transmitters per input. The application per radio input is freely definable.
- Enables the use of ergonomic user interfaces such as scroll wheels (Somfy Telis Modulis) to control Venetian blinds and light dimming.
- For configuration changes radio inputs can be activated via the ETS for teaching in of transmitters without the need to physically access the receiver.

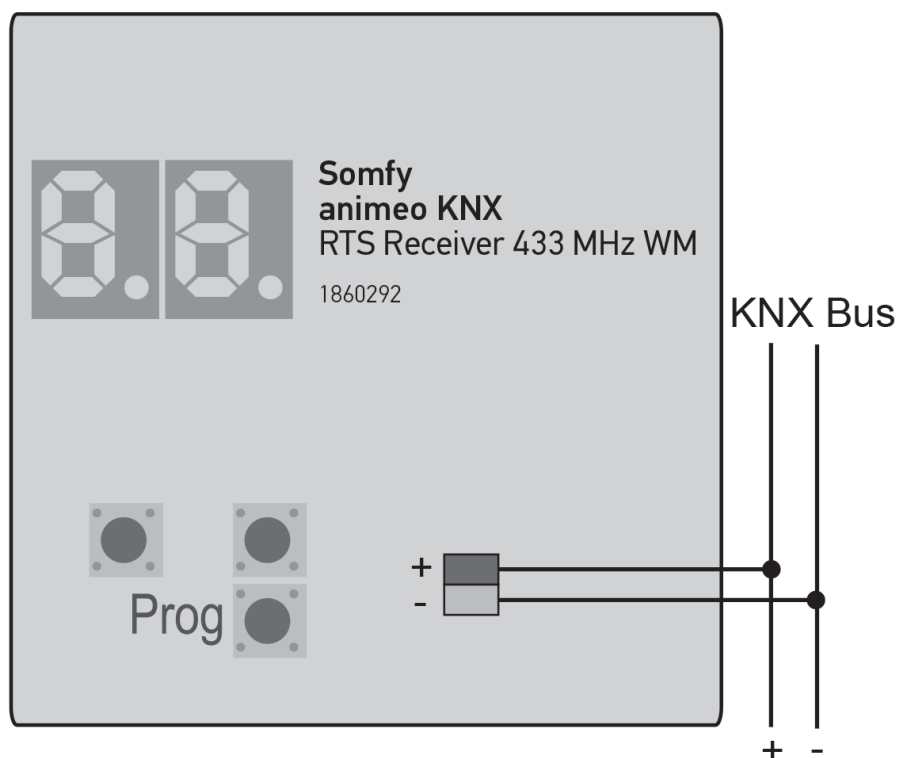
Wiring

Connection	Cables	Twisted pairs	Max. distance
KNX bus	2 x 0.8 mm/20 AWG	Required, following KNX topology guidelines	-

Compatible

Compatible with the following Somfy RTS transmitters.

- Situo RTS Pure 433 MHz, Telis 1 RTS 433 MHz, Telis 4 RTS 433 MHz, Telis 1 Modulis RTS 433 MHz, Telis 4 Modulis RTS 433 MHz, Telis 6 Chronis RTS 433 MHz, Telis 16 RTS pure 433 MHz, Sunis Indoor Wirefree RTS 433 MHz, Thermosunis Indoor Wirefree RTS 433 MHz, Chronis RTS L 433 MHz, Chronis RTS Smart 433 MHz, Smoove 1 RTS 433 MHz, Smoove Origin RTS 433 MHz



Characteristics

REF. 1860292

Supply voltage from KNX bus	KNX voltage 21...30 V DC, SELV
Radio frequency	433 MHz
Radio range	20 m / 2 walls
Rated current consumption	As per KNX guidelines ≤ 12.5 mA
Operating temperature	- 5 °C to 50 °C
Relative humidity	max. 85 %
Material of housing	PA 6.6 GF 30 %/PC
Housing dimensions (w x h x d)	81 x 81 x 25 mm
Weight	60 g
Degree of protection	IP 20
Protection class	III
Pollution degree	2

RS485 RTS transmitter



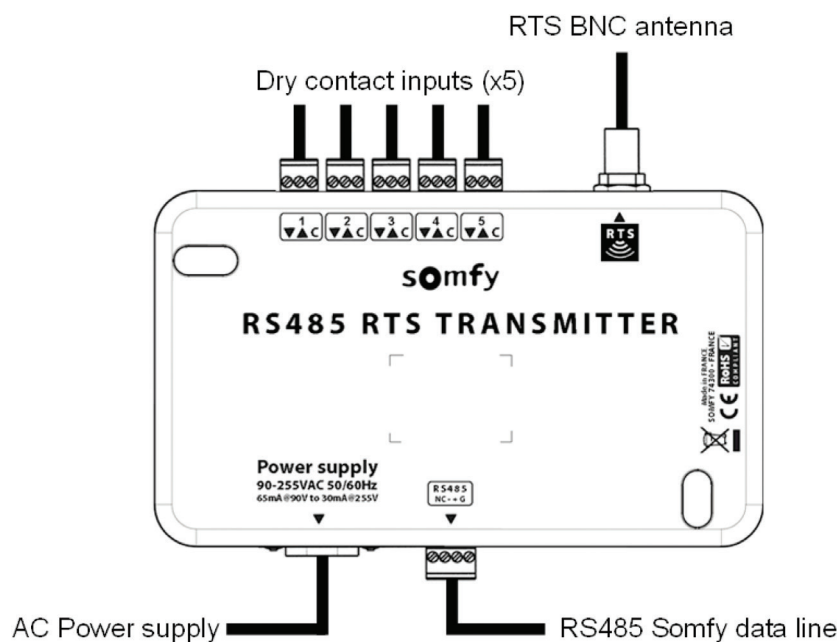
Ref. 1810803 & 1810965

The RS485 RTS Transmitter is a motor controller for RTS motors and receivers.

It converts RS485 Somfy commands, coming from home control systems, into RTS orders. Up to 16 RTS addresses: the interface can manage up to 16 groups of RTS products from an RS485 SOMFY network and/or from dry contact inputs (x5). Each group can control several motors/receivers.

Functional advantages

- Converts RS485 Somfy commands coming from home control systems into RTS orders
- Can control all the range of Somfy RTS products
- Can control up to 16 groups of products
- Can be controlled via RS485 or Dry contact inputs (x5)
Each group can control several motors and receivers
- Up, Down and Stop functions
- Favorite position
- Sun function management
- Modulis compatibility



Dimensions

175 x 100 x 56 mm (without antenna)

Technical data

Voltage Supply	90V / 255V
Voltage frequency	50Hz > 60Hz
Amps	100 mA at 90V / 50 mA at 255V
Temperature working range	0°C to 60°C
Protection rating	IP20
Control	DCT / RS485
RTS frequency	433 MHz / 447 MHz
Connectors	RS485 4-pin 3.5 mm detachable terminal blocks Dry contact up to 5 3-pin 3.5 mm detachable terminal blocks
External antenna	1 BNC Connector

Certifications



Part 3.3

Power Supplies

POWER SUPPLIES 24V DC



Ref. 1870156

POWER 2,7 DC 230V/24V

- 230 VAC / 24 VDC 2,7 A group power supply
- Can power up to 6 motors
- Surface mounting



Ref. 1870149

POWER 1.5 CABLE 230/24V

- 230 VAC / 24 VDC 1,5 A group power supply
- Can power up to 3 motors
- Surface mounting
- Mains plug sold separately



Ref. 1860093

ANIMEO DC POWER

- 230 VAC / 24 VDC group power supply
- Can power up to 11 motors
- Surface mounting
- DIN rail compatible



Ref. 1822658

POWER SUPPLY ULTRA 24V DC EU



Ref. 1822209

POWER SUPPLY ULTRA 24V DC US

24V DC POWER SUPPLY - MOTOR COMPATIBILITY RANGE

		SONESSE 30 RS485	SONESSE 50 RS485
Ref. 1870149	POWER 1,5 DC W/CABLE UNIV/24 V	1	NC
Ref. 1870156	POWER 2,7 DC 230 V/24 V	2	
Ref. 1870035	GPS100	2	NC
Ref. 1860093	ANIMEO DC POWER	3	1
Ref. 1822209	POWER SUPPLY ULTRA 24V DC US	NC	1
Ref. 1822658	POWER SUPPLY ULTRA 24V DC EU	NC	1

RS485 Power supply

A component designed to power RS485 Somfy Digital Network devices via the RS485 network segment.



Ref. 9019003

Product Features

- Power supply with 2 x RJ45 connector to ease the wiring (in and out).
- Provides earth grounding and surge protection
- Helps protect against ESD events

Characteristics

Output voltage	24 V DC @ 1.0 A
Input voltage	90 V AC - 260 V AC
Input rated frequency	47-63 Hz
Input current	0.6 A @ 120 V AC 0.4 A @ 240 V AC
Input inrush current	< 60 A Peak @ 120 V AC < 120 A Peak @ 230 V AC
Efficiency	min. 80 %
Output line regulation	± 1 %
Output load regulation	± 3 %
Operating temperature	0° C to 40° C
Storage temperature	- 30° C to + 70° C
Housing dimensions (w x h x d)	132 x 200 x 72 mm
Material of housing	Glass, metal and CC-ABS polycarbonate
Weight	135 g
Conformity	www.somfy.com/ce

Part 3.4

Accessories

RS485 6X RJ45 Bridging Adaptor



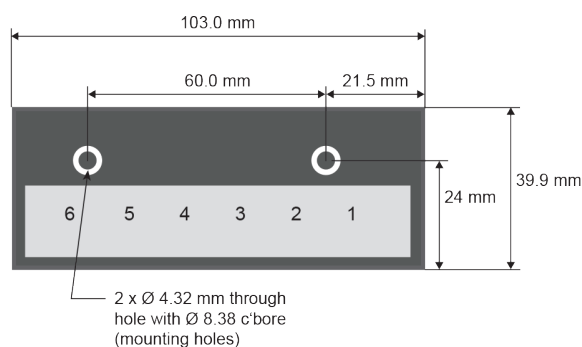
A component designed to ease the connection RS485 Somfy Digital Network devices on RS485 network segment.

Ref. 9019004

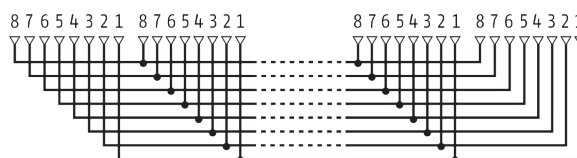
Installation advantages

- 6 x RJ45 bridging adapter for the wiring of the RS485 Somfy Digital Network devices.
- Two holes for mounting to a wall or panel.

Mounting holes



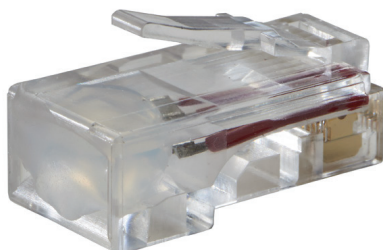
Wiring diagram



Characteristics

Pollutant	Complies with RoHS
Materials	Housing: ABS, grey color Contacts: gold plated, phosphor bronze
Dimension	103 x 39,9 x 26,5 mm
Weight	70 g

RS485 Terminator

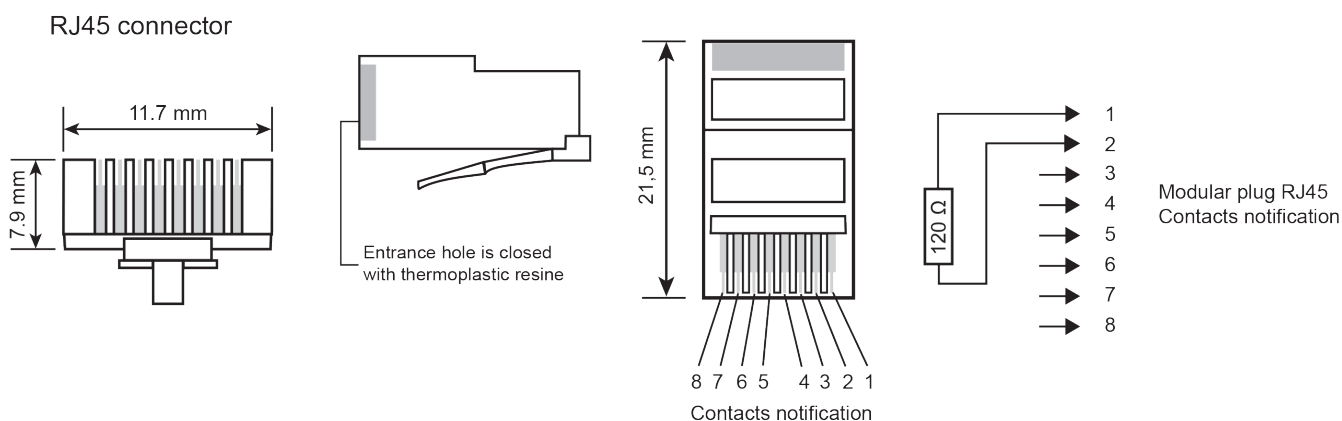


A RS485 component designed to terminate RS485 network segment.

Installation advantages

- Easy plug in RJ45

Ref. 9019005






Characteristics

Resistor	120 Ω , 0.3 W
Current rating	1.5 A
Dielectric withstanding voltage	1000 V RMS 50 Hz
Contact resistance	max. 20 m Ω
Insulation resistance	min. 500 M Ω
Output load regulation	+/- 5 %
Operating temperature	- 30° C to + 90° C
Storage temperature	- 30° C to + 90° C
Transport temperature	- 30° C to + 90° C
Housing material	Polycarbonate UL94V-2 Color: transparant
Contacts	Phosphor bronze alloy, gold plated over nickel
Pollutant	Comply with RoHS
Weight	2 g

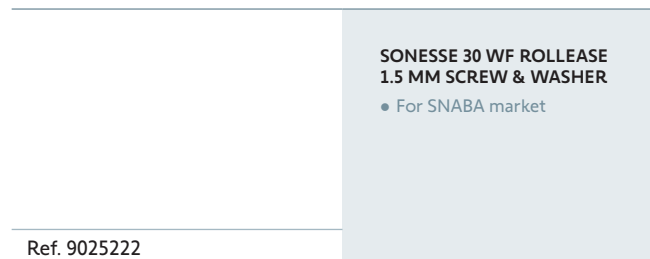
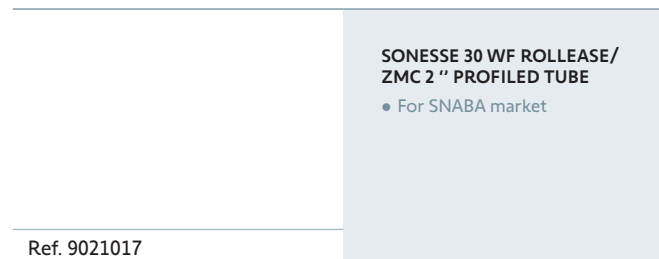
Network accessories

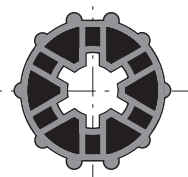
NETWORK DATA

Ref. 9014575	CAT 5 TEE		5X RJ45 FEMALE/FEMALE ADAPTOR
Ref. 9018490	2 M CABLE RJ9 RJ45 (MALE-MALE)		SDN CABLE FOR ULTRA DC TO SETTING TOOLS
Ref. 9018491	20 CM CABLE RJ9 RJ45 (MALE-MALE)		HUB RS485 6XRJ45
Ref. 9019606 / 9020004	SDN CABLE FOR ULTRA DC		

Motor accessories

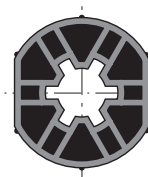
SONESSE 30 RS485




LS 40 WHEEL FOR ROUND TUBE

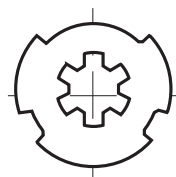
- LS 40 wheel for round tube
- Tube diameter 40 mm

Ref. 9132142


LS 40 WHEEL FOR D.40x1.5

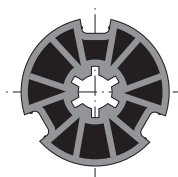
- LS 40 wheel
- For tube diameter 40x1,5mm

Ref. 9147544


LS 40 WHEEL FOR TUBE DIAM 47 mm

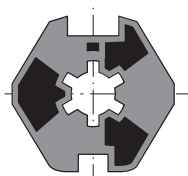
- LS 40 wheel
- Tube diameter 40x1,5 mm

Ref. 9500322


LS 40 WHEEL FOR TUBE 50 mm

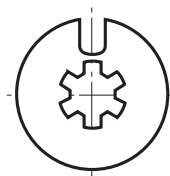
- LS 40 wheel
- Tube diameter 50 mm

Ref. 9701208


LS 40 WHEEL FOR TUBE

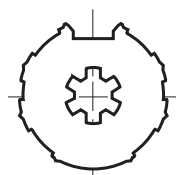
- LS 40 hexagonal wheel
- For Madopron tube

Ref. 9132138


LS 40 WHEEL FOR TUBE WAREMA DIAM 50x1,5 mm

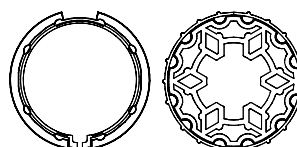
- LS 40 wheel
- For Warema
- Tube diameter 50x1,5 mm

Ref. 9701210


LS 40 WHEEL FOR TUBE 53 mm

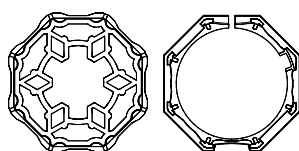
- LS 40 wheel
- For Nutrohr
- Tube diameter 53 mm

Ref. 9701213


SONESSE 40 CROWN & DRIVE FOR 40x1,5 mm TUBE

- Sonesse 40 crown & drive
- Designed for silence with acoustic rubber
- Tube diameter 40 mm

Ref. 9016654


SONESSE 40 CROWN & DRIVE FOR 40 mm OCTOGONAL TUBE

- Sonesse 40 crown & drive
- Designed for silence with acoustic rubber
- Octagonal tube diameter 40 mm

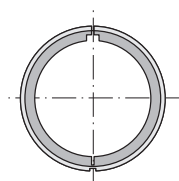
Ref. 9016655


LS 40 CROWN FOR ROUND TUBE

- LS 40 crown
- Round tube diameter 40x1 mm

Ref. 9132143

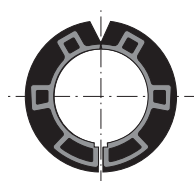
LS 40 / SCREEN 40 UP / SCREEN 40 JOB / ALTUS 40 / SONESSE 40



LS 40 CROWN TUBE
D.40×1.5 mm

- LS 40 crown
- Tube 40×1,5 mm

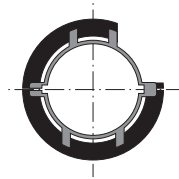
Ref. 9147330



LS 40 CROWN FOR TUBE
50 mm

- LS 40 crown
- Tube diameter 50 mm

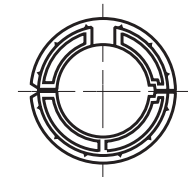
Ref. 9701207



LS 40 CROWN FOR TUBE

- LS 40 crown
- For Madopron
- Tube diameter 50 mm

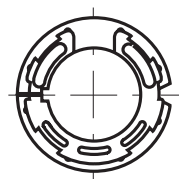
Ref. 9132139



LS 40 CROWN FOR TUBE
WAREMA DIAM 50×1,5 mm

- LS 40 crown
- For Warema
- Tube diameter 50×1,5 mm

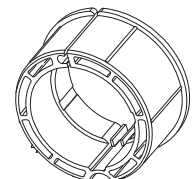
Ref. 9701209



LS 40 CROWN DS 53×1,5 mm

- LS 40 crown
- For Nutrohr
- Tube diameter 53×1,5 mm

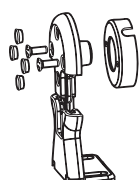
Ref. 9701206



DIAM 40 / 50 CROWN

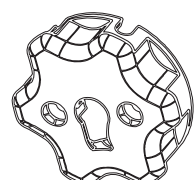
- Interface crown 40 / 50 mm

Ref. 9013762



LS 40 BRACKET

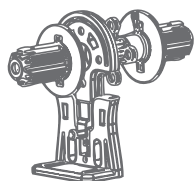
Ref. 9500683



LS 40 / LT50 INTERFACE
BRACKET

- To switch from 40 mm round head to 50 mm star head

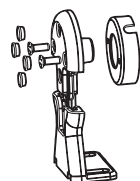
Ref. 9500669



LS 40 INTERMEDIATE
BRACKET

- For multibanding applications

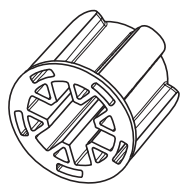
Ref. 9500687



LS 40 PLUG END BRACKET
PIN D.8

- LS 40 bracket plug end 0,8

Ref. 9500685



**LS 40 / LT50 INTERFACE
SHAFT USING LIMIT
VULCAN 13/8**

- To switch for 40 mm output shaft to 50 mm output shaft

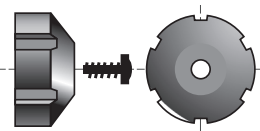
Ref. 9500330



DIAM 40 / 50 ADAPTORS KIT

- Stop wheel
- Interface crown 40 / 50 mm
- Interface shaft 40 / 50 mm

Ref. 9013763



LS 40 STOP WHEEL

- Sonesse 30 Crown & drive
- For Louvolite
- Tube diameter 40 mm

Ref. 9147894

COVER, SCREWS, MOTOR PLATES, WHEEL



**DIAMETER 40 RS485 WHITE
COVER**

- Qty: 20 pcs
- Color: white

Ref. 9026090



**DIAMETER 40 RS485 GREY
COVER**

- Qty: 20pcs
- Color: grey

Ref. 9026091



**DIAMETER 40 RS485 BLACK
COVER**

- Qty: 20pcs
- Color: black

Ref. 9026092

**SCREW FOR DIAM 40 RS485
COVER & ADAPTATION PLATE**

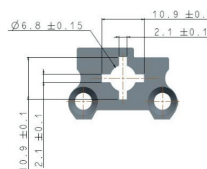
- Qty: 20pcs
- Color: green

Ref. 9026093

**SCREWS FOR DIAM 40 RS485
NEW 19MM HOLES**

- Qty: 40pcs

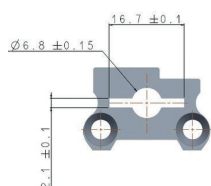
Ref. 9026094



MOTOR PLATE 10x1.8MM

- For actuators Up to 4 N.m

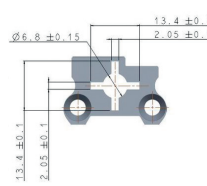
Ref. 9025996



MOTOR PLATE ROLLEUSE 580

- For actuators Up to 4 N.m

Ref. 9025997

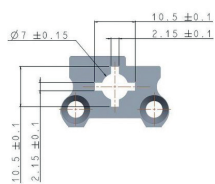


MOTOR PLATE ACMEDA 12

- For actuators Up to 4 N.m

Ref. 9025999

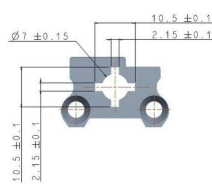
COVER, SCREWS, MOTOR PLATES, WHEEL



MOTOR PLATE ROLLEASE 16x3.2MM

- For actuators Up to 4 N.m

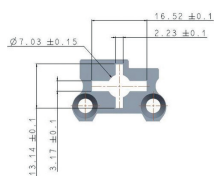
Ref. 9026000



MOTOR PLATE MECO PIN 10

- For actuators Up to 4 N.m

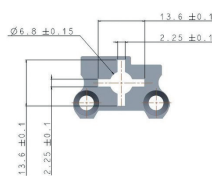
Ref. 9026001



MOTOR PLATE MECO PIN 16

- For actuators Up to 9 N.m

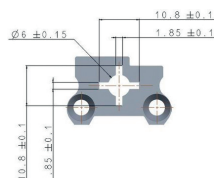
Ref. 9026002



MOTOR PLATE VERTILUX

- For actuators Up to 4 N.m

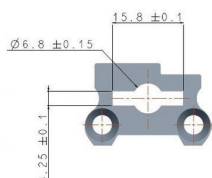
Ref. 9026004



MOTOR PLATE SCREEN INNOVATION

- For actuators Up to 4 N.m

Ref. 9026005



MOTOR PLATE BENTHIN FUTURA L ROLLO

Ref. 9026009



100 LS40 SCREWS

Ref. 670037



ABS WHEEL 40 LEFT

- For zip screen applications

Ref. 9704139



ABS WHEEL 40 RIGHT

- For zip screen applications

Ref. 9704138



PLAQUETTE LOW STUD SQUARE 10x10

Ref. 9147334

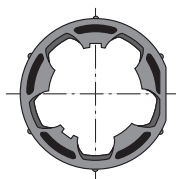


KIT CROWN AND DRIVE HD50 (OLD & NEW) FOR LS40

Ref. 9014574

	Sonesse 30 24VDC	Sonesse 40 RS485
Covers		
Diameter 40 RS485 White cover x20	✗	✓
Diameter 40 RS485 Grey cover x20	✗	✓
Diameter 40 RS485 Black cover x20	✗	✓
Screws		
Screws for Ø40 RS485 cover & adaptation plate x20	✗	✓
Screws for Ø40 RS485 new 29mm holes x40	✗	✓
Motor plates		
Motor plate 10x1.8mm	✓	✓
Motor plate Rollease 580	✗	✓
Motor plate Acmeda 12	✓	✓
Motor plate Rollease 16x3.2mm	✗	✓
Motor plate Mecho pin 10	✓	✓
Motor plate Mecho pin 16	✗	✓
Motor plate Rollease Skyline	✓	✓
Motor plate Vertilux	✓	✓
Motor plate Screen Innovation	✓	✓
Motor plate Benthin Futura L Rollo	✗	✓
Connection		
RJ45 female/female adaptor x5	✓	✓

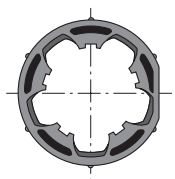
LT50 RS485 /SONESSE 50 RS485 / SONESSE ULTRA 50 RS485



Ref. 9410414

LT50 WHEEL 50x1.5 HARD CLIP

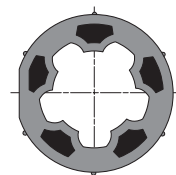
- LT50 wheel
- Tube diameter 50x1,5mm
- Hard clip



Ref. 9410415

LT50 WHEEL 50x1,5 WEAK CLIP LIMIT 50NM

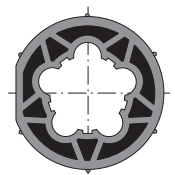
- LT50 wheel
- Tube diameter 50x1,5mm
- Soft clip



Ref. 9751013

LT50 WHEEL FOR TUBE D60

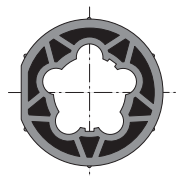
- LT50 wheel
- Tube diameter 60x1,5mm
- Hard clip



Ref. 9206041

LT50 WHEEL FOR TUBE D63 x1,5 SOFT CLIP

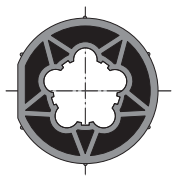
- LT50 wheel
- Tube diameter 63x1,5mm
- Soft clip



Ref. 9206019

LT DRIVE WHEEL DIAM 63MM

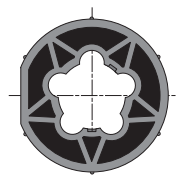
- Drive wheel for LT
- Tube diameter 63mm
- Hard clip



Ref. 9206026

LT50 WHEEL FOR TUBE D70 x1,5 SOFT CLIP

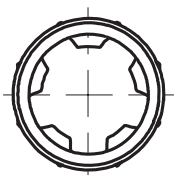
- LT50 wheel
- Tube diameter 70mm
- Soft clip



Ref. 9420313

LT50 WHEEL FOR TUBE D70 x2

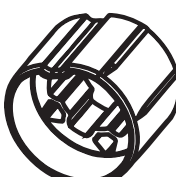
- LT50
- Tube 70mm



Ref. 9707125

LT50 WHEEL TUBE WAREMA D50

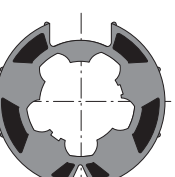
- LT50 wheel
- For Warema
- Tube diameter 50mm



Ref. 9410401

LT50 WHEEL TUBE 60 GRIESSER

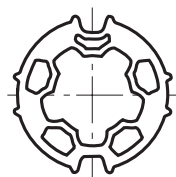
- LT50 wheel
- For Griesser 60 soloscreen
- Tube diameter 60mm



Ref. 9410302

LT50 WHEEL FOR TUBE D.62 DEPRAT

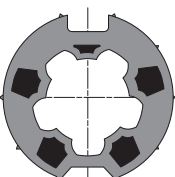
- LT50 wheel
- For Deprat F2000
- Tube diameter 62mm



Ref. 9751006

LT50 WHEEL FOR TUBE D.62

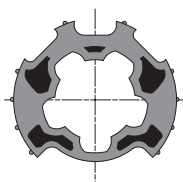
- LT50 wheel
- Tube diameter 62mm
- Hard clip



Ref. 9751014

LT50 WHEEL FOR TUBE D.63 BK STO REN

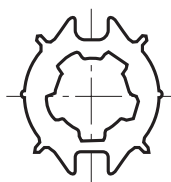
- LT50 wheel
- For BK STO BEN
- Tube diameter 63mm
- Hard clip



Ref. 9751002

**LT50 WHEEL FOR TUBE D.65
MADOPRON, SUNMASTER**

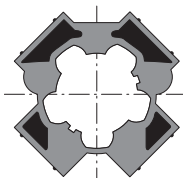
- LT50 wheel
- For Madopron, Sunmaster
- Tube diameter 65mm
- Hard clip



Ref. 9751015

**LT50 WHEEL FOR PERMA
TUBES**

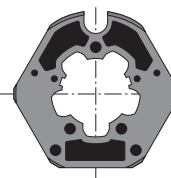
- LT50 wheel
- For Perma Tubes



Ref. 9410304

LT50 WHEEL TUBE OCTO 60

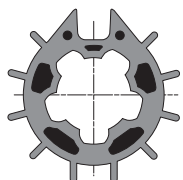
- LT50 wheel
- Octogonal tube diameter 60mm
- Hard clip



Ref. 9410406

**LT50 WHEEL FOR TUBE D.70
GRIESSER**

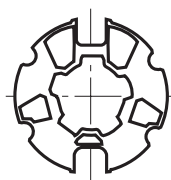
- LT50 wheel for tube diameter 70
- Hard clip



Ref. 9751005

**LT50 WHEEL FOR TUBE D.70
DOHN WIH GUT IMBAC
D.71 x2**

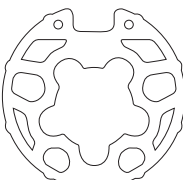
- LT50 wheel
- Tube diameter 71x2mm
- Hard clip



Ref. 9751009

LT50 WHEEL FOR TUBE D.74

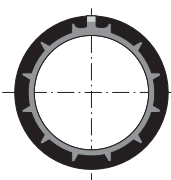
- LT50 wheel
- Tube diameter 74mm
- Hard clip



Ref. 9761011

**LT50 WHEEL FOR TUBE D.71
PERMA**

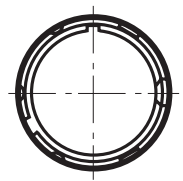
- LT50 wheel
- For Perma
- Tube diameter 71mm
- Hard clip



Ref. 9707033

LT50 CROWN FOR TUBE D.60

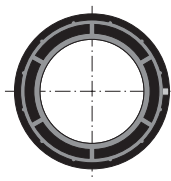
- LT50 crown
- Tube diameter 60mm



Ref. 9707029

LT50 CROWN DS 63x1.5

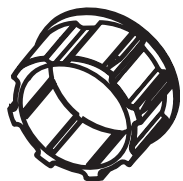
- LT50 crown
- Tube diameter 63mm



Ref. 9707031

LT50 CROWN FOR TUBE D.70

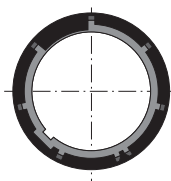
- LT50 crown
- Tube diameter 70mm



Ref. 9410402

**LT50 CROWN TUBE 60
GRIESSER**

- LT50 crown
- For Griesser 60 soloscreen
- Tube diameter 60mm

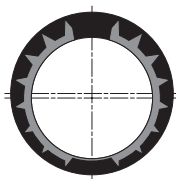


Ref. 9410300

**LT50 CROWN FOR TUBE D.62
F2000**

- LT50 crown
- Tube diameter 62mm

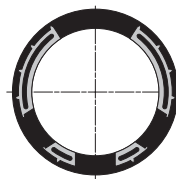
LT50 RS485 /SONESSE 50 RS485 / SONESSE ULTRA 50 RS485



Ref. 9707028

LT50 CROWN TUBE E-DS 63

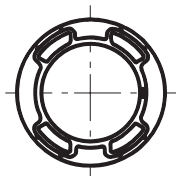
- LT50 crown
- Tube diameter 63mm



Ref. 9707030

LT50 CROWN FOR TUBE MP 65

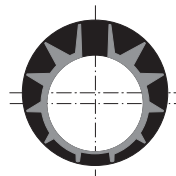
- LT50 crown
- Tube diameter 65mm



Ref. 9707036

LT50 CROWN FOR PERMA 68 / 70 / 71

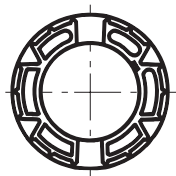
- LT50 crown
- For Perma
- Tube diameter 68mm, 70mm, 71mm



Ref. 9707034

LT50 CROWN FOR DOHNER 70

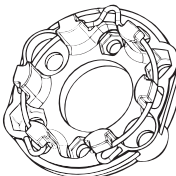
- LT50 crown
- For Dohner
- Tube 70mm



Ref. 9707037

LT50 CROWN FOR DOHNER D.74

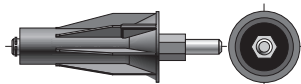
- LT50 crown
- For Dohner
- Tube diameter 74mm



Ref. 9002516

UNIVERSAL BRACKET WITH CLIP

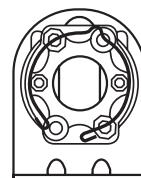
- Max torque: 85Nm
- White laquered
- 2 holes Ø 6mm - 48mm entraxe
- 2 holes Ø 8mm - 60mm entraxe
- Delivered without screws



Ref. 9420800

ADJUSTABLE PLUG END PIN D10

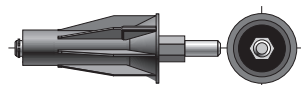
- Adjustable Plug end
- Max: LT50 50Nm
- Max with FTS system: FTS50 25/17



Ref. 9002550

LT50 ADJUSTABLE AWNING BRACKET

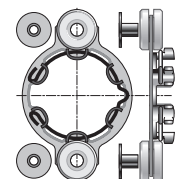
- Max: 25Nm



Ref. 9420801

ADJUSTABLE PLUG END PIN D12

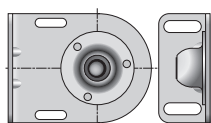
- Adjustable Plug end
- Max/ LT50 50Nm
- Max with FTS system: FTS50 25/17



Ref. 9410739

VIBRATIO FREE LT50 BRAC. 90MM

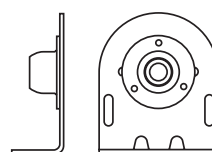
- Max: 40Nm
- Fixing entraxe: 90mm
- It has to be sold with some advices concerning the installation (i.e. treatment of the end product and its fixation)



Ref. 9410633

ZINCKED PLUG END BRACK. PIN 12

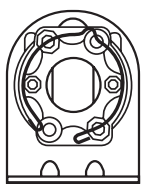
- For pin Ø12mm
- Max: LT50 50Nm



Ref. 9410634

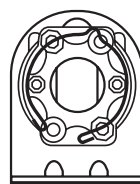
LACQUERED PLUG END BRACKET FOR PIN 12

- For pin Ø12mm
- Max: LT50 50Nm



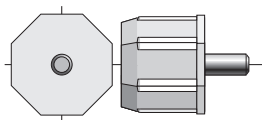
Ref. 941651

ZINKED LT50 BRACKET



Ref. 9410652

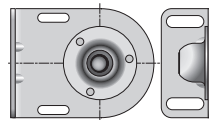
WHITE LQ LT50 BRACKET



Ref. 9137018

OCTOGONAL PLUG END FOR DEPRAT

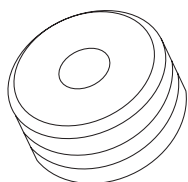
- For pin Ø 8mm
- Max: 8Nm



Ref. 9410635

ZINCKED PLUG END BRACK. PIN 10

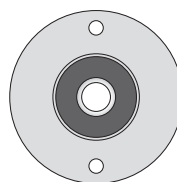
- For pin Ø12mm
- Max: LT50 50Nm



Ref. 9410735

ANTIVIRATION WASHER

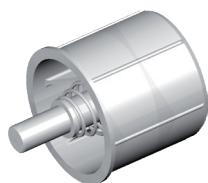
- Max torque: 85Nm to be used with ref. 9 127 808



Ref. 9701310

VIBRATION FREE PLUG END BRACKET

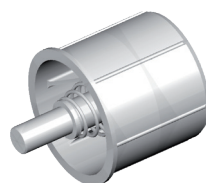
- Max: 8Nm



Ref. 9013592

TELESCOPIC END CAP D10 FOR SONESSE 50

- Max: 4Nm
- Rn Ø10mm



Ref. 9013593

TELESCOPIC END CAP D12 FOR SONESSE 50

- Max: 4Nm
- Rn Ø12mm



Ref. 9018455

SONESSE 50 WHEEL SOFT CLIP TUBE 50 x 1.5MM

- Max: 15Nm
- Soft clip
- For tube 50 x 1,5mm



Ref. 9016630

SONESSE 50 WHEEL HARD CLIP TUBE 50 x 1.5MM

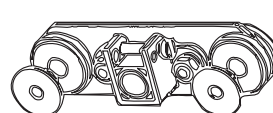
- Max: 15Nm
- Hard clip
- For tube 50 x 1,5mm



Ref. 9016628

SONESSE 50 TELESCOPIC END CAP D10

- Max: 15Nm
- Rn Ø10mm
- For tube 50 x 1,5mm



Ref. 9410740

VIBRA. FREE PLU END BRAC. 90MM

- Max: LT50 40Nm
- Fixing entraxe: 90mm
- Compatible with the plug ends with a pin Ø 12
- It has to be sold with some advices concerning the installation (i.e. treatment of the end product and its fixation)

LT50 RS485 /SONESSE 50 RS485 / SONESSE ULTRA 50 RS485



SONESSE 50 TELESCOPIC END CAP D12

- Max: 15Nm
- Rn Ø12mm
- For tube 50 x 1,5mm

Ref. 9018228



SONESSE 50 UQ UNIVERSAL END CAP

- 10mm shaft

Ref : 9019716



SONESSE 50 UQ UNIVERSAL END CAP

- 12mm shaft

Ref. 9019717



ABS WHEEL 50 LEFT

- For zip screen applications

Ref. 9705415



ABS WHEEL 50 RIGHT

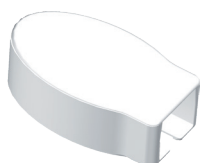
- For zip screen applications

Ref. 9705414

Curtain

Heavy duty accessories

COMPONENTS



PULLEY GA

- Pulley assembly to put opposite the motor side
- Color: White
- Does not come with hooks
- Unit weight: 82 g

Ref. 1780897



SMALL PULLEY GA

- Pulley assembly to put opposite the motor side
- Color: White
- Does not come with hooks

Ref. 1782318



DRIVE PULLEY GA

- Pulley assembly to use on the motor side
- Color: White
- Does not come with hooks z
- Unit weight: 73 g

Ref. 1780945



RAIL 5m BY 4 GA

- 5 m long track aluminium profile z Color: White
- Delivered in a box with 4 rails

Ref. 1781379



RAIL 16FT BY 6 GA

- 16 ft long track aluminium profile
- Color: White
- Delivered in a box with 6 rails

Ref. 9019943



10 mm PRELUB BELT 55 m ROLL GA

- Roll of 55 m reel, 10 mm black pre-lubed belt
- Approx. 2 times the length of the track is necessary
- Can be used on all track configurations & shape including ripple curtain to the maximum weight capacity of somfy curtain motors

Ref. 1782084



NON PAINTED RAIL 5.8m BY 4 GA

- Must be painted before used, (painted guideline to be followed)
- 5 m long track aluminium profile
- Color: White
- Delivered in a box with 4 rails
- Only ship by truck & boat

Ref. 1782562



HEAVY DUTY MASTER CARRIER GA

- Heavy Duty & quiet one piece non articulating master carrier
- Can be used on all track configurations & shape including ripple curtain to the maximum weight capacity of somfy curtain motors

Ref. 1781344

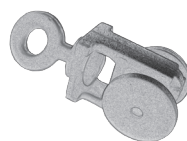
CLASSIC ACCESSORIES



ROTATING EYE RUNNER GA

- Runner mounted on wheels with rotating eyelet
- Can not be used with ripplefold
- Width: 14 mm / Max load: 1.5 kg
- Qty: typical 10 per meter
- Color: White
- Unit weight: 3.2 g

Ref. 1780892



HIGHT PERFORMANCE ROTATING EYE RUNNER

- Runner mounted on wheels with rotating eyelet
- Can not be used with ripplefold
- Wheel shape make it quieter
- Qty: typical 10 per meter
- Color: White
- Unit weight: 3.2 g

Ref. 1781415



HEAVY DUTY STRAIGHT ARM GA

- Stainless steel arm to be optionally screwed on the heavy duty master carrier of two way tracks. Allows to hang curtain with pleates with 3 pitch
- Unit weight: 29 g

Ref. 1781416



HEAVY DUTY OVERLAP ARM KIT GA

- Stainless steel overlap arm with roller wheel to be used on the heavy duty master carrier on one way tracks or two way system when additional blackout is needed

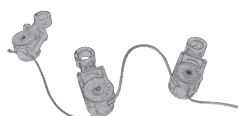
Ref. 1781417



MOTOR HOOK GA

- Plastic hook to hang the curtain on the pulleys. Quantity needed is minimum 1 for one way tracks & 2 for two way tracks. More might be needed
- Color: White
- Unit weight: 2.3 g

Ref. 1780895



Ref. 1780901

RIPPLE RUNNER 1 7/8 GA

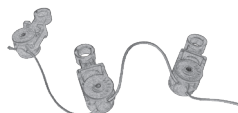
- Runner mounted on wheels for 120% fullness ripple curtains. Supplied in a roll of 500 runners. Cord already snapped on the runner body. 500 snap penpends supplied in a different bag.
- Width 14 mm / Max. load: 1.5 kg
- Qty usually 21/m



Ref. 1780903

RIPPLE RUNNER 2 3/8 GA

- Runner mounted on wheels for 80% fullness ripple curtains. Supplied in a roll of 500 runners. Cord already snapped on the runner body. 500 snap penpends supplied in a different bag.
- Width 14 mm / Max. load: 1.5 kg
- Qty usually 17/m



Ref. 1780902

RIPPLE RUNNER 2 1/8 GA

- Runner mounted on wheels for 100% fullness ripple curtains. Supplied in a roll of 500 runners. Cord already snapped on the runner body. 500 snap penpends supplied in a different bag.
- Width 14 mm / Max. load: 1.5 kg
- Qty usually 19/m



Ref. 1780902

RIPPLE ONE WAY BUTT ARM GA

- Steel arms kit



Ref. 1780905

RIPPLE MOTOR HOOK GA

- Specific plastic hook with a female snaps to use for ripple curtains
- Color: White



Ref. 1782301

RIPPLE SNAP TAPE 91M ROLL

- Ripple snap tape 4 1/4 (108 mm) reel of 91 m



Ref. 1780946

RIPPLE STRAIGHT ARM

- Stainless steel arm to be screwed on the heavy duty master carrier on two way track when a ripple curtain with overlap solution is needed.



Ref. 1780947

RIPPLE OVERLAP ARM KIT

- Stainless steel overlap with roller wheel to be used with the heavy duty master carrier on one way ripple curtain with overlap.



Ref. 1782320

SMALL RIPPLE OVERLAP ARM GA KIT

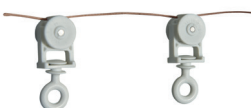
- Stainless steel overlap arm with roller wheel to be used with the heavy duty master carrier on two way ripple and classic curtain with overlap solution (for better curtain look)



Ref. 1782321

SMALL RIPPLE UNDERLAP ARM GA KIT

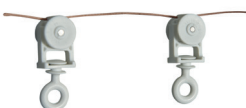
- Stainless steel underlap arm with roller wheel to be used with the heavy duty master carrier on two way ripple and classic curtain with overlap solution (for better curtain look)



Ref. 1782310

ROTATING RIPPLE EYELET RUNNER 60 mm GA

- Runner mounted on wheels for ripple curtains. Supplied in a roll of 500 runners. Cord is already snapped on the runner body. 500 rotating runner eyelet supplied in a different bag
- No need to use snap tape



Ref. 1782848

ROTATING RIPPLE EYELET RUNNER 80 mm GA

- Runner mounted on wheels for ripple curtains. Supplied in a roll of 500 runners. Cord is already snapped on the runner body. 500 rotating runner eyelet supplied in a different bag
- No need to use snap tape

RIPPLEFOLD ACCESSORIES



90 DEGREE MOTOR ADAPTOR

- Compatible with Glydea and Movelite pulley, provides for 90 degree positioning of the motor, enabling consistent fabric fold

Ref. 9027179



RIPPLE ARM ADJUSTABLE KITS

- Provides consistent fabric fold for Ripplefold applications

Ref. 9027045

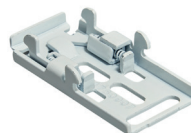
BRACKETS



SWIVEL CEILING BRACKET GA

- Swivel ceiling bracket
- Minimized light gap (2 mm)
- Color: Zinc plated
- Minimum qty necessary 2.5/m
- Unit weight: 12.5 g

Ref. 1780906



ONE TOUCH CEILING BRACKET GA

- Ceiling bracket allows for easy positioning of the fixing holes & snap on mounting of the track
- Color: White
- Minimum qty necessary 2.5/m
- Unit weight: 20 g

Ref. 1780907



CEILING FIXING PLATE

- Ceiling bracket allows for easy positioning & fix the track on the ceiling
- Color: White
- Minimum qty necessary 0.5 per meter
- Unit weight: 20 g

Ref. 1782789



ADJUSTABLE WALL MOUNT BRACKET GA

- Wall mount angle bracket with minimum 100 mm projection & 34 mm extension capability
- Can be used in combination with ceiling brackets 1 780 906 & 1 780 907. Supplied with the screws to fix one ceiling brackets
- No ceiling bracket supplied

Ref. 1780909



DOUBLE ADJUSTABLE WALL MOUNT BRACKET GA

- Wall mount angle bracket with minimum 100 mm projection & 34mm extension capability
- Can be used in combination with ceiling brackets 1780906 & 1780907. Supplied with the screws to fix one ceiling brackets
- No ceiling bracket supplied

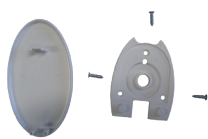
Ref. 1780910



HEAVY DUTY RAIL JOINT GA

- Stronger piece to link two rails

Ref. 1782316



TOP MOUNT KIT GA

- Kit of accessories to allows the Up side Down installation

Ref. 1780908



ROTATING RUNNER EYLET GA

- Standard runner eylet spare parts

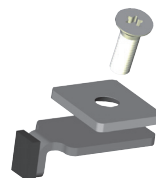
Ref. 1781913



RIPPLE PENDANT GA

- Ripple runner pendant

Ref. 1780948



PULLEY STOPPER GA

- Spare pulley stopper assembly as a kit
- Unit weight: 5 g

Ref. 1780954



PULLEY COVER GA

- Spare pulley cover
- Color: White
- Unit weight: 9.5 g

Ref. 1780898



DCT 2.5 m CABLE

- Wire, 2.5 m cable equipped with RJ12 plug to use during installation in combination with the DCT tool

Ref. 9015443

Silent accessories

SILENT ACCESSORIES



SILENT MASTER CARRIER

- Silent master carrier
- Can be used on all track configurations & shape including ripple curtain

Ref. 1782922



SILENT ROTATING EYE RUNNER

- Runner mounted on wheels with rotating eyelet
- Width: 14 mm / Max load: 1.5 kg
- Qty: typical 10 per meter
- Color: White

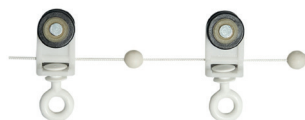
Ref. 1782921



RIPPLE RUNNER W/EYELET 80 SILENT

- Runner mounted on wheels for ripple curtains. Supplied in a roll of 250 runners. Cord is already snapped on the runner body. 250 rotating runner eyelet supplied in a different bag
- No need to use snap tape

Ref. 9027590



RIPPLE RUNNER W/EYELET 60 SILENT

- Runner mounted on wheels for ripple curtains. Supplied in a roll of 250 runners. Cord is already snapped on the runner body. 250 rotating runner eyelet supplied in a different bag
- No need to use snap tape

Ref. 9027591



RIPPLE RUNNER 2 3/8" SILENT

- Runner mounted on wheels for 80% fullness ripple curtains. Supplied in a roll of 250 runners. Cord already snapped on the runner body. 250 snap penpands supplied in a different bag.
- Width 14 mm / Max. load: 1.5 kg
- Qty usually 17/m

Ref. 9027592



RIPPLE RUNNER 2 1/8" SILENT

- Runner mounted on wheels for 100% fullness ripple curtains. Supplied in a roll of 250 runners. Cord already snapped on the runner body. 250 snap penpands supplied in a different bag.
- Width 14 mm / Max. load: 1.5 kg
- Qty usually 19/m

Ref. 9027593



RIPPLE RUNNER 1 7/8" SILENT

- Runner mounted on wheels for 120% fullness ripple curtains. Supplied in a roll of 250 runners. Cord already snapped on the runner body. 250 snap penpands supplied in a different bag.
- Width 14 mm / Max. load: 1.5 kg
- Qty usually 21/m

Ref. 9027594

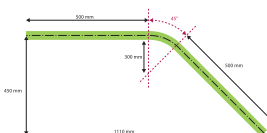


RIPPLE FOLD RUNNER FIXING HOLDER

- Allows simple connection of Ripple fold runner to Master Carrier
- 30pcs/box

Ref. 9027657

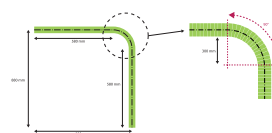
BENT RAILS FROM LOGISTICS



GA BENT RAIL

- 750×750mm
- R: 300 mm
- A: 45°

Ref. 1782258



GA BENT RAIL

- 900×900mm
- R: 300 mm
- A: 90°

Ref. 1782259

Part 4

Tools & Guides



Setting tools

RS485 Setting Tool

Purpose of this tool

- This tool is used to program RS485 motor
 - Motor rotation
 - End limits
 - Preset positions (setting, testing, erasing)
 - Speed for DC motors
 - Factory default
- This tool is also used to see parameters of a motor



Where to get it ?

- Available at LI Ref 9017142

USB/RS485 interface

Purpose of this tool

- Fast and easy plugging on MoCo to commission or diagnostic a MoCo.
This tool is plugged in the extension box connector (RS485)

Where to get it ?

- You can order it on internet with key words :
Abus TV RS485 USB interface TV8468

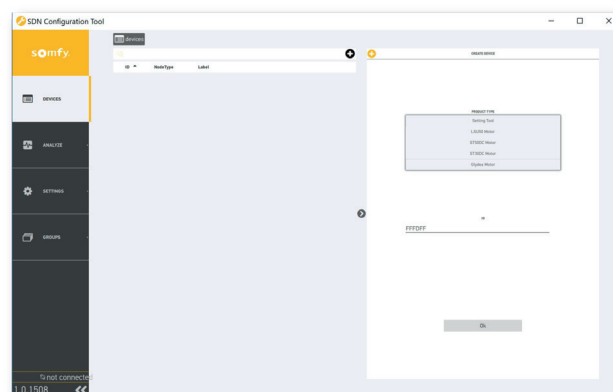
Configuration tools

SDN Configuration Tool

Purpose of this tool

PC software for the blind installers,
blind makers & system integrators to set:

- Motor rotation
- End limits
- Preset positions (setting, testing, erasing)
- Speed for DC motor
- Factory default
- Motor software upgrade



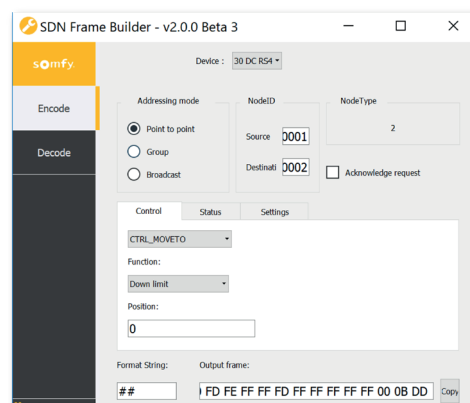
Where to get it ?

- Available in Somfy Projects website: www.somfy.com/projects/downloads

Frame builder

Purpose of this tool

- PC software dedicated to system integrators. This software allows to create SDN frame building by selecting the desired motors. Those frames will be directly useable by copy/paste them on the desired third party controllers. The explanations of the frame building can be found in the SDN Integration guide.



Where to get it ?

- Available in Somfy Projects website: www.somfy.com/projects/downloads

Guides

SDN Integration guide

Purpose of this tool

- Explain the technical information needed to create and manage SDN devices (protocol information).

Where to get it ?

- Available in Somfy Project website:
www.somfy.com/projects/downloads



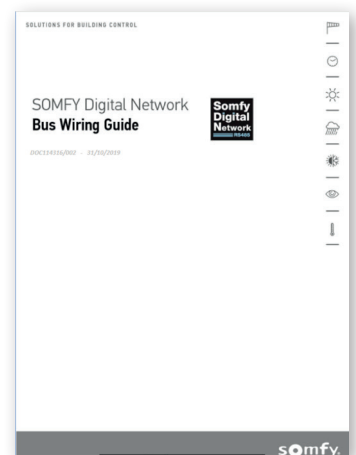
SDN Wiring guide

Purpose of this tool

- Document summarizing the mandatory wiring rules of the hardware installation.

Where to get it ?

- Available in Somfy Project website:
www.somfy.com/projects/downloads



Part list

Shade and curtain motorisation

	DESCRIPTION	MARKET
Sonesse 40 RS485		
Ref. 1240555	Sonesse 40 RS485 3/30 VVF3M UNIT	230V 50Hz countries
Ref. 1240557	Sonesse 40 RS485 6/20 VVF3M UNIT	230V 50Hz countries
Ref. 1240558	Sonesse 40 RS485 9/12 VVF3M UNIT	230V 50Hz countries
Ref. 1240836	Sonesse 40 RS485 3/30 VVF3M UNIT SCT	Argentina
Ref. 1240837	Sonesse 40 RS485 6/20 VVF3M UNIT SCT	Argentina
Ref. 1240838	Sonesse 40 RS485 9/12 VVF3M UNIT SCT	Argentina
Ref. 1240839	Sonesse 40 RS485 3/30 VVF3M UNIT KUKAS CMIM	Kuwait / Morocco
Ref. 1240840	Sonesse 40 RS485 6/20 VVF3M UNIT KUKAS CMIM	Kuwait / Morocco
Ref. 1240841	Sonesse 40 RS485 9/12 VVF3M UNIT KUKAS CMIM	Kuwait / Morocco
Ref. 1240562	404S2 Sonesse 40 RS485 4/36 FC UNIT	120V 60Hz countries
Ref. 1240563	406A2 Sonesse 40 RS485 6/24 FC UNIT	120V 60Hz countries
Ref. 1240564	409R2 Sonesse 40 RS485 9/14 FC UNIT	120V 60Hz countries
Ref. 1240565	403S6 Sonesse 40 RS485 3/36 SASO VVF3M UNIT	Saudi Arabia
Ref. 1240566	406A6 Sonesse 40 RS485 6/24 SASO VVF3M UNIT	Saudi Arabia
Ref. 1240567	409R6 Sonesse 40 RS485 9/14 SASO VVF3M UNIT	Saudi Arabia
Ref. 1240568	403S6 Sonesse 40 RS485 3/36 KC VVF3M BAR	Korea
Ref. 1240569	406A6 Sonesse 40 RS485 6/24 KC VVF3M BAR	Korea
Ref. 1240570	409R6 Sonesse 40 RS485 9/14 KC VVF3M UNIT	Korea
Ref. 1240842	403S6 Sonesse 40 RS485 3/36 VVF3M UNIT	220V 60Hz countries
Ref. 1240843	406A6 Sonesse 40 RS485 6/24 VVF3M UNIT	220V 60Hz countries
Ref. 1240844	409R6 Sonesse 40 RS485 9/14 VVF3M UNIT	220V 60Hz countries
Sonesse 30 RS485		
Ref. 1241144	Sonesse 30 RS485 2/25	SNABA
Ref. 1241145	Sonesse 30 RS485 2/25	WW
Sonesse 50 ULTRA RS485 AC		
Ref. 1002566	506A2 ST50 AC UQ RS485 6/24 SJ	120V 60Hz countries
Ref. 1003036	506A6 Sonesse ULTRA RS485 6/24	220V 60Hz countries
Ref. 1003037	506A2 ST50 AC UQ RS485 6/24 SJ	120V 60Hz countries
Ref. 1003048	SONESSE ULTRA 50 RS485 6/20 VV	230V 50Hz countries
Sonesse 50 ULTRA RS485 DC		
Ref. 1134022	504A8 Sonesse ULTRA RS485 4/25	WW
Ref. 1134094	504A8 Sonesse ULTRA DC RS485	WW
Ref. 1134110	504A8 SONESSE ULTRA 50 DC RS48	WW

Shade and curtain motorisation

	DESCRIPTION	MARKET
Sonesse 50 RS485		
Ref. 1002286	506S2 SONESSE RS485 6/32 SJTW3	120V 60Hz countries
Ref. 1002287	510S2 SONESSE RS485 10/32 SJTW	120V 60Hz Countries
Ref. 1002342	505S6 SONESSE RS485 5/32 KIT S	220V 60Hz countries
Ref. 1002345	510S6 SONESSE RS485 10/32 KIT	220V 60Hz countries
Ref. 1002382	SONESSE 50 RS485 6/28 VVF3M UN	230V 50Hz countries
Ref. 1002383	SONESSE50 RS485 10/28 VVF3M UN	230V 50Hz countries
Ref. 1002499	SONESSE 50 RS485 6/17 VVF3M U	230V 50Hz countries
Ref. 1002500	SONESSE 50 RS485 15/17 VVF3M U	230V 50Hz countries
Ref. 1002512	510S6 SONESSE RS485 10/32 VVF3	220V 60Hz countries
Ref. 1002515	505S6 SONESSE RS485 5/32 SASO	Saudi Arabia
Ref. 1002526	506S2 SONESSE RS485 6/32 VVF3M	120V 60Hz Countries
Ref. 1002527	510S2 SONESSE RS485 10/32 VVF3	120V 60Hz Countries
LT 50 SDN		
Ref. 1002283	505S3 LT RS485 5/32-38 VVF1M B	Japan
Ref. 1002288	535A2 LT RS485 35/20 SJTW3M UN	120V 60Hz countries
Ref. 1002426	520A3 LT RS485 20/17-20 VVF1M	Japan
Ref. 1002427	515S2 LT RS485 15/38 SJTW3M UN	120V 60Hz countries
Ref. 1002494	LT 50 RS485 6/32 VVF3M UNIT	230V 50Hz countries
Ref. 1002495	LT 50 RS485 15/32 VVF3M UNIT	230V 50Hz countries
Ref. 1002496	LT 50 RS485 6/17 RRF3M UNIT	230V 50Hz countries
Ref. 1002497	LT 50 RS485 15/17 RRF3M UNIT	230V 50Hz countries
Ref. 1002498	LT 50 RS485 35/17 RRF3M UNIT	230V 50Hz countries
Ref. 1002508	512S6 LT RS485 12/38 VVF3M UNI	230V 50Hz countries
Ref. 1002510	518A6 LT RS485 18/20 VVF3M UNI	230V 50Hz countries
Ref. 1002555	LT 50 RS485 6/17 SW 60 RRF 3M	230V 50Hz countries
Ref. 1002556	LT 50 RS485 15/17 SW 60 RRF3 M	230V 50Hz countries
Ref. 1241540	LT50 RS485 50/12	230V 50Hz countries

Shade and curtain motorisation

DESCRIPTION		DISTRIBUTION	
Glydea			
Ref. 1003150	GLYDEA ULTRA 35E DCT EU MIC	ALC	LI
Ref. 1003151	GLYDEA ULTRA 35E DCT US 10' + PLUG MIC	ALC	
Ref. 1003152	GLYDEA ULTRA 35E RTS US 10' + PLUG MIC	ALC	
Ref. 1003154	GLYDEA ULTRA 35E RTS MIC	ALC	LI
Ref. 1003211	GLYDEA ULTRA 35E DCT N EU MIC SA	ALC	
Ref. 1003213	GLYDEA ULTRA 35E RTS N MIC SA	ALC	
Ref. 1003157	GLYDEA ULTRA 60E DCT EU MIC	ALC	LI
Ref. 1003158	GLYDEA ULTRA 60E DCT US 10' + PLUG MIC	ALC	
Ref. 1003159	GLYDEA ULTRA 60E RTS US 10' + PLUG MIC	ALC	
Ref. 1003161	GLYDEA ULTRA 60E RTS MIC	ALC	LI
Ref. 1003214	GLYDEA ULTRA 60E DCT N EU MIC SA	ALC	
Ref. 1003216	GLYDEA ULTRA 60E RTS N MIC SA	ALC	
Ref. 1003164	GLYDEA ULTRA 35E DCT EU MIF	LI	
Ref. 1003166	GLYDEA ULTRA 35E RTS MIF	LI	
Ref. 1003167	GLYDEA ULTRA 60E DCT EU MIF	LI	
Ref. 1003169	GLYDEA ULTRA 60E RTS MIF	LI	
Ref. 1240226	GLYDEA ULTRA 35E DCT N	ALC	LI
Ref. 1240227	GLYDEA ULTRA 35E RTS N	ALC	LI
Ref. 1240229	GLYDEA ULTRA 60E DCT N	ALC	LI
Ref. 1240230	GLYDEA ULTRA 60E RTS N	ALC	LI
Ref. 1870275	CURTAIN MOTOR RS485 MODULE	ALC	LI

* RS485 module compatible with motor revision C or later

Notes

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Notes

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About Somfy

Somfy's leading smart management solutions for homes and buildings have been improving people's daily lives for over 50 years. Developed with comfort, ease of use, security and sustainability in mind, our innovations automate and connect rolling shutters, curtains and blinds, gates and garage doors, lighting and heating, alarm systems and more. We are committed to creating useful solutions that are accessible to all, designed for today and beyond.

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