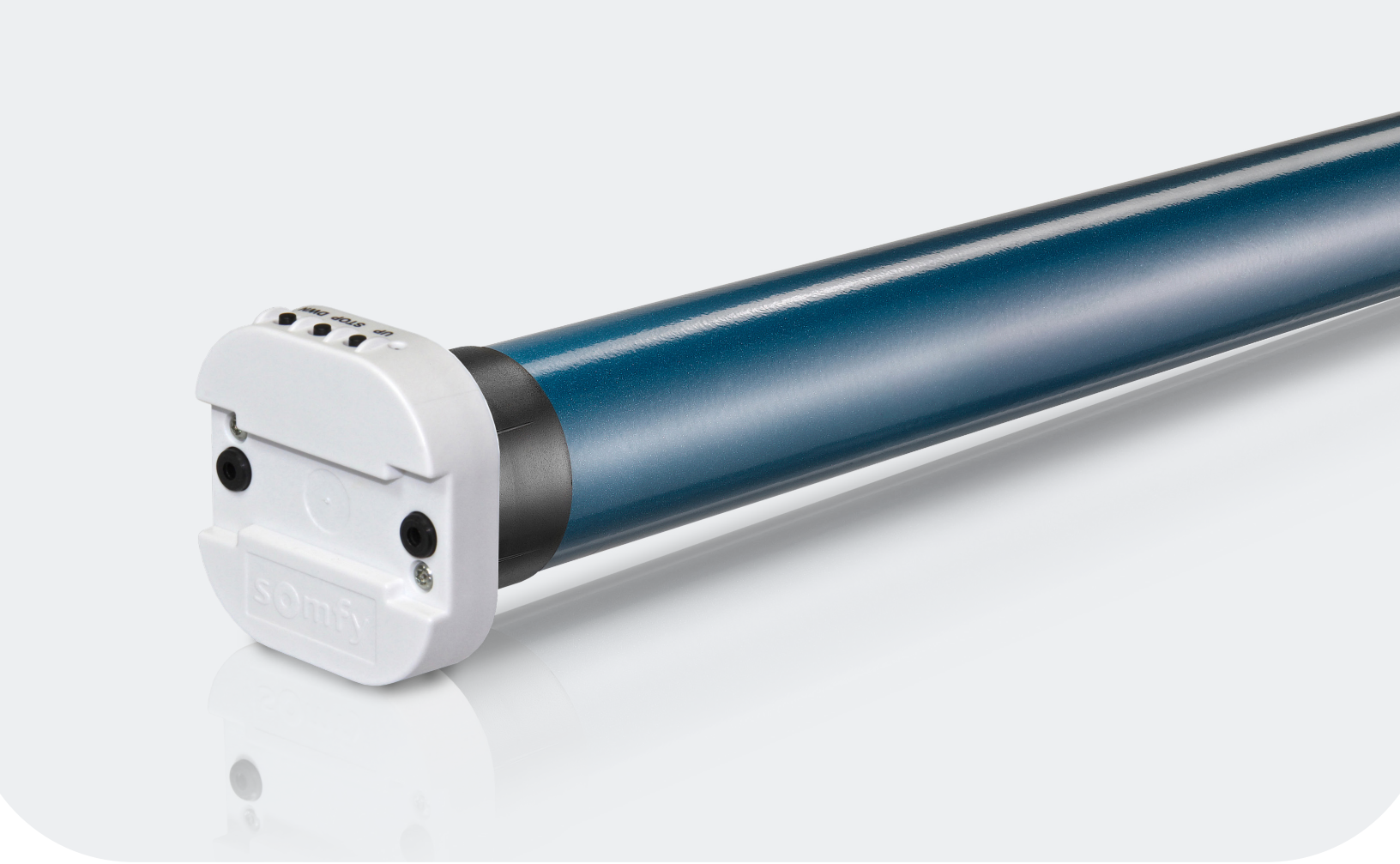


# Low-voltage Motor Range Databook

somfy®

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# Pro Tools and Support

**The TaHoma® pro app** provides hassle-free manufacturing and installation. A revolution in building and programming smart window coverings.

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**Somfy Corporate Headquarters**
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**Standard Purchase Order**
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**Rush Purchase Order**
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**Accounting Inquiries**
accountsreceivable@somfy.com

**Technical Support**
877-233-0019

**Warranty Claim Requests**
us_return@somfy.com

5 YEARS WARRANTY

Somfy understands that training and support are critical to success. Somfy's Expert Program has been developed to provide a platform for those who want to enhance their expertise of motorization and control solutions. Visit **www.somfypro.com** to learn more and sign up for training.

# Conveniently Quiet and Powerful

This document presents the accessories and specifications related to the Somfy Low-voltage motor range. It provides the technical information needed to order, fabricate, and sell the award-winning quiet motors. for additional information regarding any of the products in this document including motors, power sources, controls, interfaces etc., please visit **www.somfysystems.com**.

The low-voltage motor range puts window coverings in motion with quiet precision. The motors are engineered with superior noise reduction technology from a distance of 3 feet.

These motors feature speed regulation for precise alignment of adjacent shades, can be barely heard, and are low-voltage to simplify installation. The motors are available with a variety of control options and easily integrate with home automation systems. They also feature the ability to adjust to precise intermediate positions for increased control flexibility.

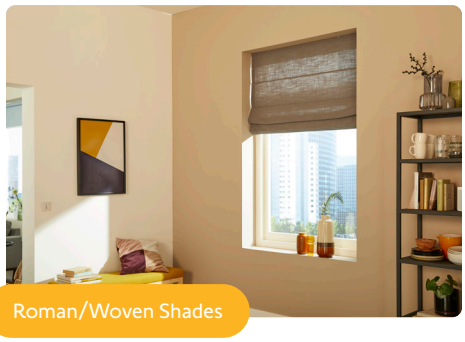
## Somfy's low-voltage motors are designed to automate a broad range of window covering applications which include:



Roller/Solar Shades



Sheer Horizontal Shades



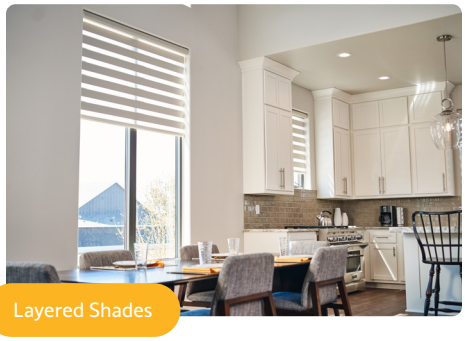
Roman/Woven Shades



Pleated/Cellular Shades



Horizontal Blinds



Layered Shades

5 YEARS WARRANTY

As with all Somfy® products, the Sonesse® low-voltage motor range is backed by a 5 year warranty.

# Somfy's Low-voltage Motor Range

## Motor Identification Key

**Sonesse® ULTRA 50 DC RTS 504 A8 SQ 4/25**

**Control Technology**
(If other than Standard Wired)
Zigbee
PoE = Power over Ethernet
RS485 = Somfy Digital Network
RTS = Radio Technology Somfy
DCT = Dry Contact Technology

**Motor Diameter**
4 for 40mm
5 for 50mm
6 for 60mm

**Torque**
(Nm)

**Speed**
R: Rolling Shutter = 14 rpm
A: Awning = 20-24 rpm
S: Screen = 32-38 rpm

**Range Voltage**
120V Range 2
230V Range 1
24V DC Range 8

**Motor Head Style**
(If other than Standard Star Head)
RH = Round Head
PA = Progressive Adjustment
PS = Progressive Adjustment Switch
CMO = Compact Manual Override
SQ = ULTRA DC Motor Square Head

**Torque/Speed**
(Nm/RPM)

## Somfy Technologies

**Zigbee**
Globally adopted IoT control solution

**Power over Ethernet (PoE)**
Low-voltage control utilizing CAT-5e

**Somfy Digital Network™ (RS485)**
Commercial Building Control

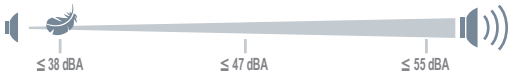
**Radio Technology Somfy® (RTS)**
Radio Technology Somfy® (RTS) allows wireless radio control

**Dry Contact**
Dry contact input for a basic Low-voltage control

## Somfy Designed for Silence Quietness Scale

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 DESIGNED FOR SILENCE




## Why Choose Somfy's Sonesse® Low-voltage 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 38dBA

**Wide Range of Solutions:**
- Interior and exterior applications
- Line voltage (AC) or Low-voltage (DC) power options
- Residential and commercial markets
- Radio, digital or wired integrated network options

**Streamlined Programming:**
- Zigbee based intuitive limit setting via TaHoma pro
- 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
  - Multiple intermediate positions
  - Collision detection

**Simplified Fabrication and Installation:**
- Utilizes existing fabrication methods on the market today
- Compatible with leading industry hardware solutions

**Superior Quality:**
- Motors undergo rigorous endurance, acoustic, radio, mechanical, electrical and safety tests in our 65,000 sq. ft. quality control and testing facility
- 2,117 patents in the Somfy portfolio

**Simple Electrical Connection:**
- Available with UL approved pigtail quick connects or screw-in flying leads for low-voltage (DC) power and data
- Plug-in option eliminates the need for an electrician

**All Somfy Motors are UL Listed and CSA Recognized**
- All SOMFY motors are UL Listed or Recognized and can be found under the following file numbers:
- E514135, E60495, E60888, E63714

# Sonesse® ULTRA 50 DC RS485 Square Head Motor

Item #: 1134022

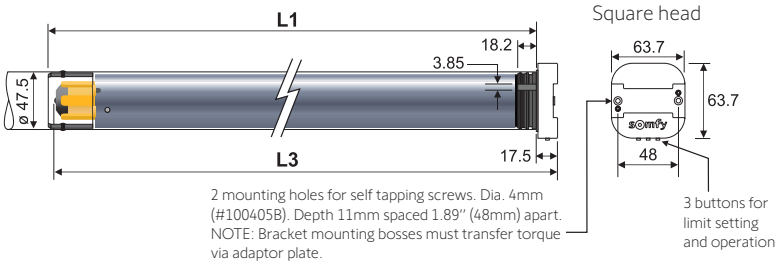
## Technical Features

| | |
|---|---|
| **Voltage Supply** | 24V DC |
| **Index Protection Rating** | IP 20 (interior) |
| **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. |

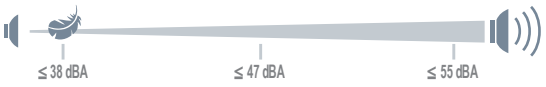
## Dimensions

| | |
|---|---|
| **L1** | 30.7 in. (780mm) |
| **L3** | 31.5 in. (800mm) |
| **Data & Power Cable length** | 10 in. (250mm) |




## Specifications

| | |
|---|---|
| **Torque** | 4 Nm |
| **Minimum Torque*** | 0.4 Nm |
| **Nominal Voltage** | 24V DC |
| **Rated Current** | 1.5A |
| **Rated Power** | 36W |
| **Speed range** | Adjustable: 10-25 rpm |
| **Thermal protection** | 5 minutes |
| **Sound Level***** | ≤38 dBA |




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

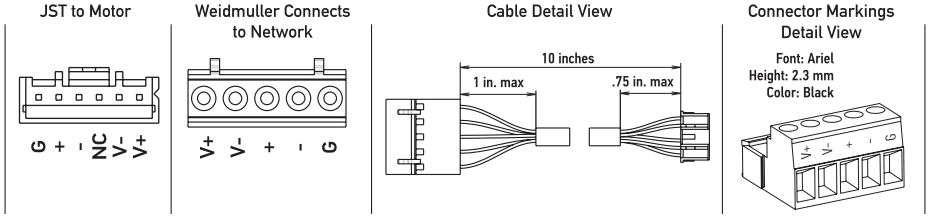
*****Sound level:**
According to standards ISO 3741 NF 31022 in dBA ref 1pW at nominal torque without end product.

**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) > 47mm 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 1.5 Nm and 1.8 Nm.
- Somfy Soft Clip Drive Wheel Adaptors (brown in color) are not recommended.

## Pigtail power cable

(Included with every motor. Also available separately, power and data pigtail (#9020004) or 5 position motor connector (#9020743) only.




| Gauge | Length |
|---|---|
| 14 AWG | 240 ft. |
| 16 AWG | 150 ft. |
| 18 AWG | 100 ft. |

Maximum Power Cable Length (to guarantee characteristics)

# Sonesse® ULTRA 50 24V DC RTS Square Head Motor

Item #: 1134023

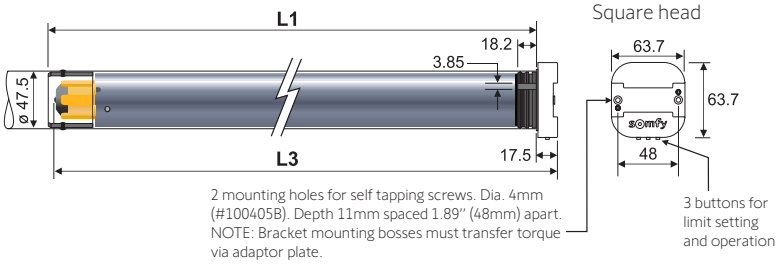
## Technical Features

| | |
|---|---|
| **Sleep Mode** | New feature that allows for advanced programming and grouping. |
| **Voltage Supply** | 24V DC |
| **Index Protection Rating** | IP 20 (interior) |
| **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. |

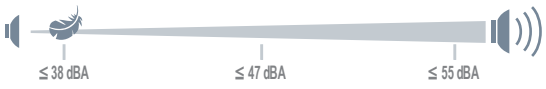
## Dimensions

| | |
|---|---|
| **L1** | 30.7 in. (780mm) |
| **L3** | 31.5 in. (800mm) |
| **Data & Power Cable length** | 10 in. (250mm) |




## Specifications

| | |
|---|---|
| **Torque** | 4 Nm |
| **Minimum Torque*** | 0.4 Nm |
| **Nominal Voltage** | 24V DC |
| **Rated Current** | 1.5A |
| **Rated Power** | 36W |
| **Speed range** | Adjustable: 10-25 rpm (default: 25) |
| **Thermal protection** | 5 minutes |
| **Sound Level***** | ≤38 dBA |



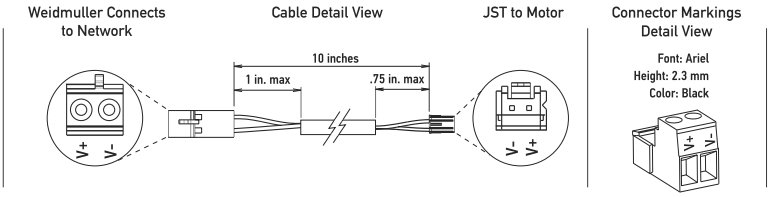

***Minimum torque:**
Minimum application weight to ensure smooth operation.

*****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) > 47mm 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 1.5 Nm and 1.8 Nm.
- Somfy Soft Clip Drive Wheel Adaptors (brown in color) are not recommended.

## Pigtail power cable (Included with every motor. Also available separately, part # 9020005)







| Gauge | Length |
|---|---|
| 14 AWG | 240 ft. |
| 16 AWG | 150 ft. |
| 18 AWG | 100 ft. |

Maximum Power Cable Length (to guarantee characteristics)

# Sonesse® 40 PoE

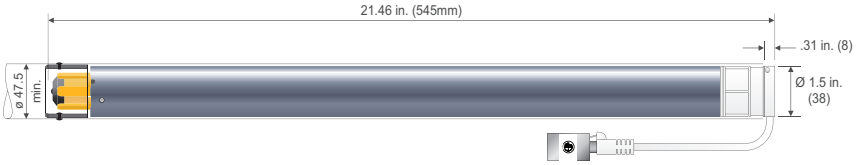
Item #: 1241426 Sonesse 40 PoE at 2/25 Type 2 (30W)
Item #: 1241427 Sonesse 40 PoE bt 4/25 Type 3 (45W)
Item #: 1241428 Sonesse 40 PoE bt 6/25 Type 3 (60W)

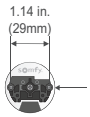
## Technical Features

| | |
|---|---|
| **Voltage Supply & Tolerance** | 48V DC (42.5V DC – 57V DC) |
| **Thermal run time** | 5 minutes |
| **Repeatability** | +/-5° |
| **Index Protection Rating** | IP30 (interior use only) |
| **Limit Switch Unit** | Electronic |

| | |
|---|---|
| **Temperature Working Range** | From 32°F to 140°F (0°C to 60°C) |
| **Insulation Class** | Class III |
| **Max Distance from Power Source** | 328 ft. (100m) |

## Dimensions




2 mounting holes for self-tapping screws M3.5x9mm (cat #9014066) spaced 1.14 in. (29mm) apart.

## Specifications

| | | | |
|---|---|---|---|
| **Nominal Torque (Nm)** | 2 | 4 | 6 |
| **Power Supply** (IEEE 802.3bt)** | Type 2 (30W) | Type 3 (45W) | Type 3 (60W) |
| **Nominal Speed (rpm)** | 25 | | |
| **Rated Power (W)** | 25 | 51 | 62 |
| **Protocol** | Somfy Synergy™ API, CoAP | | |
| **Security** | Certificate + PIN code to secure TCP/TLS AES-128 encryption over UDP | | |
| **Stand By Consumption (W)** | <1 W | | |
| **Sound Level dB(A)*** | 41 | 42 | 47 |

***Sound level:**
Power Level: according to standards ISO3741 in dB(A) ref 1pW typical value, at nominal torque and nominal speed, without application/end product.

** For optimization of the power budget, LLDP must be disabled at the Power Sourcing Equipment (PSE). If LLDP is required for your commercial project, please consult your Somfy representative.

**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
- Inside Tube Diameter (ID) > or = 38mm must be respected to prevent contact with the basic motor tube.
- 400 Series Drive Stop and Screw (#9147894) is recommended to prevent noise and drive wheel separation from motor shaft.

## Integrated Motor Plates (sold separately)

| | | |
|---|---|---|
| **9025997** | Sonesse 40 Motor Plate Rollease R16-24 15.9 x 1.8mm & screws |  |
| **9026000** | Sonesse 40 Motor Plate Rollease RBGAL 16 x 3.2mm & screws |  |
| **9025996** | Sonesse 30 Motor Plate Rollease 360 R3-R8 10 x 1.8mm and screws |  |
| **9025999** | Sonesse 30 Motor Plate Acmeda 12mm and screws |  |
| **9026003** | Sonesse 30 Motor Plate Rollease Skyline and screws |  |
| **9026093** | Sonesse 30 Motor Plate M3 x 6mm Philips flat-head plastite screw |  |

## Motor Pigtail Cable

CAT-5e SF/UTP – RJ45 7.5 in. (19cm) pigtail with RJ45 shielded female to female coupler, #9028957



**Wiring Recommendations:**
Somfy recommends using a basic Cat-5e cable or greater. Please consult your Somfy representative for any wiring questions.

# Sonesse® 30 Zigbee 24V DC

Item #: 1241970

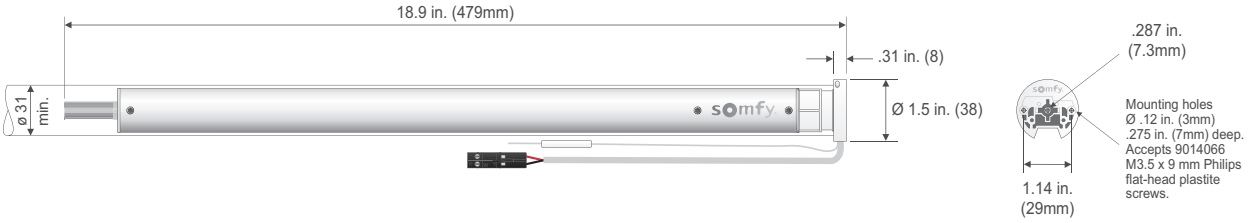
## Technical Features

| | |
|---|---|
| **Supply Tolerance** | 21.6 – 26.4V DC |
| **Running Time** | 6 minutes |
| **Repeatability** | + 6° |
| **Cable** | AWG24 – 1 Cable: 2 wire (7.5 in. Weidmüller pigtail non-removable) |
| **Index Protection Rating** | IP30 (interior use only) |
| **Limit Switch Unit** | Electronic |
| **Limit Switch Capacity** | 125 turns (limited to 6 minutes of rotation without stop) |

| | |
|---|---|
| **Temperature Working Range** | From 32°F to 140°F (0°C to 60°C) |
| **Electric Insulation** | Class III |
| **Antenna** | 6.9 in. (17.5cm) wire length, must not be cut or lengthened. For greatest RF range, antenna must be exposed. |
| **Sound Level*** | <47 dB(A)* |

*Noise Level: Power Level according to standards ISO3741 in dB(A) re1pW Typical Value at nominal torque without end product.

## Dimensions




## Specifications

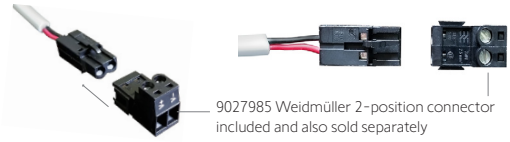
| | |
|---|---|
| **Nominal Torque** | 2 Nm |
| **Nominal Speed** | 25 rpm |
| **Adjustable Speed** | 10 to 28 by increment (speed regulated and adjustable) |
| **Radio Protocol** | Zigbee 3.0 / Bluetooth 4.2 |
| **Radio Frequency** | 2.4 GHz |
| **Nominal Voltage** | 24V DC |
| **Rated Current** | .625A |
| **Standby Power** | .2W |

## Integrated Motor Plates (sold separately)

| | | |
|---|---|---|
| **9025996** | Sonesse 30 Motor Plate<br>Rollease 360 R3-R8 10 x 1.8mm and screws |  |
| **9025999** | Sonesse 30 Motor Plate<br>Acmeda 12mm and screws |  |
| **9026003** | Sonesse 30 Motor Plate<br>Rollease Skyline and screws |  |
| **9026093** | Sonesse 30 Motor Plate<br>M3 x 6mm Philips flat-head plastite screw |  |

## Cables

Weidmüller non-removable pigtail = 7.5 in. (190mm)



9027985 Weidmüller 2-position connector included and also sold separately

## Optional Head Covers



Optional Grey
#9027133



Optional Black
#9027134



White (supplied with motor)
#9027132

# Roll Up 30 Short Zigbee 24V DC

COMING SOON

Item #: 1246900

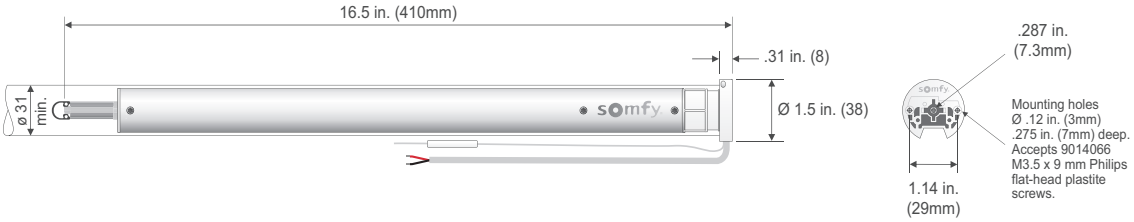
## Technical Features

| | |
|---|---|
| **Supply Tolerance** | 21.6 – 26.4V DC |
| **Running Time** | 6 minutes |
| **Repeatability** | + 6° |
| **Cable** | Red 2 conductor - SVT 9.8 ft (3m) AWG 18 |
| **Index Protection Rating** | IP30 |
| **Limit Switch Unit** | Electronic |
| **Limit Switch Capacity** | 100 turns |

| | |
|---|---|
| **Temperature Working Range** | From 32°F to 140°F (0°C to 60°C) |
| **Electric Insulation** | Class III |
| **Antenna** | 6.9 in. (17.5cm) wire length, must not be cut or lengthened. For greatest RF range, antenna must be exposed. |
| **Sound Level*** | 46 dB(A)* |

*Noise Level: Power level at nominal torque and speed.

## Dimensions




## Specifications

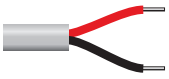
| | |
|---|---|
| **Nominal Torque** | 2 Nm |
| **Nominal Speed** | 25 rpm |
| **Adjustable Speed** | 10 to 28 by increment (speed regulated and adjustable) |
| **Radio Protocol** | Zigbee 3.0 / Bluetooth 4.2 |
| **Radio Frequency** | 2.4 GHz |
| **Nominal Voltage** | 24V DC |
| **Rated Current** | .625A |
| **Standby Power** | .2W |

## Integrated Motor Plates (sold separately)

| | | |
|---|---|---|
| **9025996** | Sonesse 30 Motor Plate<br>Rollease 360 R3-R8 10 x 1.8mm and screws |  |
| **9025999** | Sonesse 30 Motor Plate<br>Acmeda 12mm and screws |  |
| **9026003** | Sonesse 30 Motor Plate<br>Rollease Skyline and screws |  |
| **9026093** | Sonesse 30 Motor Plate<br>M3 x 6mm Philips flat-head plastite screw |  |

## Cables

Cable type: red 2 conductor
SVT 9.8 ft (3m) AWG 18




## Optional Head Covers



Optional Grey
#9027133



Optional Black
#9027134



White (supplied with motor)
#9027132

# Sonesse® 30 PoE

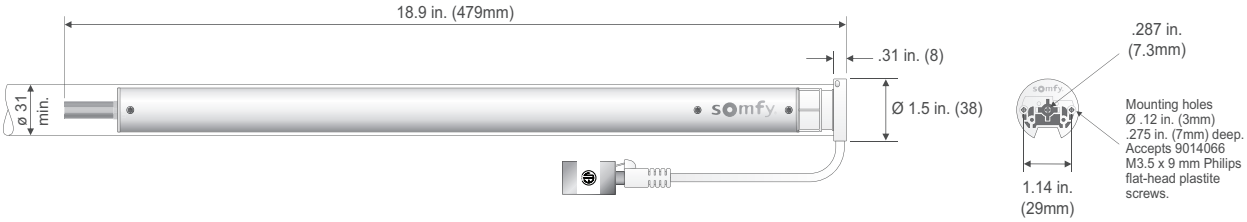
Item #: 1241147

## Technical Features

| | |
|---|---|
| **Voltage Supply & Tolerance** | 48V DC (42.5V DC –57V DC) |
| **Power Supply Type** | PoE switch IEEE 802.3 at Type2 (30W) |
| **Thermal Protection** | 5 minutes |
| **Repeatability** | +/-5° |
| **Cable** | CAT-5e SF/UTP (Shielded and Foiled with Unshielded Twisted Pair) – RJ45 7.5 in. (19cm) pigtail |

| | |
|---|---|
| **Index Protection Rating** | IP30 (interior use only) |
| **Limit Switch Unit** | Electronic , encoder based |
| **Temperature Working Range** | From 32°F to 140°F (0°C to 60°C) |
| **Insulation Class** | Class III |

## Dimensions




## Specifications

| | |
|---|---|
| **Nominal Torque** | 1.5Nm |
| **Nominal Speed** | 25 +/ 0.4 rpm |
| **Adjustable Speed** | 10 to 28 rpm |
| **Protocol** | Protocol Somfy Synergy API, CoAP |
| **Security** | Certificate + PIN code to secure TCP/TLS AES-128 encryption over UDP |
| **Power source distance** | 328 ft. |
| **Nominal power** | <18W |
| **Standby Power** | <1.4W |
| **Sound level*** | <47 dB(A)* |

*Noise Level: Power Level according to standards ISO3741 in dB(A) re1pW Typical Value at nominal torque without end product.

***Sound level:**
Power Level: according to standards ISO3741 in dB(A) ref 1pW typical value, at nominal torque and nominal speed, without application/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) > 31mm must be respected.
- A motor crown adaptor between motor and end product tube is required to ensure concentric operation of motor.
- Sonesse 30 Series drive stop and screw (included with crown and drive) are recommended to prevent noise and drive wheel separation from motor shaft.

## Integrated Motor Plates (sold separately)

| | | |
|---|---|---|
| **9025996** | Sonesse 30 Motor Plate Rollease 360 R3-R8 10 x 1.8mm and screws |  |
| **9025999** | Sonesse 30 Motor Plate Acmeda 12mm and screws |  |
| **9026003** | Sonesse 30 Motor Plate Rollease Skyline and screws |  |
| **9026093** | Sonesse 30 Motor Plate M3 x 6mm Philips flat-head plastite screw |  |

## Cables

CAT-5e SF/UTP – RJ45 7.5 in. (19cm) pigtail with RJ45 shielded female to female coupler, #9028957



## Optional Head Covers



Optional Grey #9027133



Optional Black #9027134



White (supplied with motor) #9027132

# Roll Up 30 Short PoE 48V DC

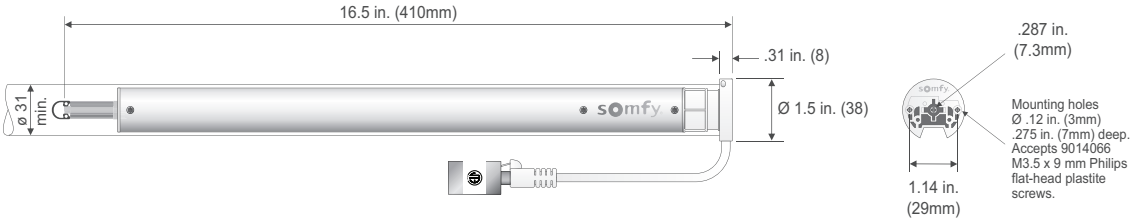
Item #: 1246903

## Technical Features

| | |
|---|---|
| **Voltage Supply** | 24V DC |
| **Power Supply Type** | PoE switch IEEE 802.3 at Type2 (30W) |
| **Thermal Protection** | 5 minutes |
| **Repeatability** | +/-5° |
| **Cable** | CAT-5e SF/UTP (Shielded and Foiled with Unshielded Twisted Pair) – RJ45 7.5 in. (19cm) pigtail |

| | |
|---|---|
| **Index Protection Rating** | IP30 |
| **Limit Switch Unit** | Electronic , encoder based |
| **Temperature Working Range** | From 32°F to 140°F (0°C to 60°C) |
| **Insulation Class** | Class III |

## Dimensions




## Specifications

| | |
|---|---|
| **Nominal Torque** | 1.5Nm |
| **Nominal Speed** | 25 rpm |
| **Adjustable Speed** | 10 to 28 rpm (speed regulated and adjustable) |
| **Protocol** | Protocol Somfy Synergy API, CoAP |
| **Security** | Certificate + PIN code to secure TCP/TLS AES-128 encryption over UDP |
| **Power source distance** | 328 ft. |
| **Nominal power** | <18W |
| **Standby Power** | <1.4W |
| **Sound level*** | <=46 dB(A)* |

*Noise Level: Power level at nominal torque and speed.

***Sound level:**
Power Level: according to standards ISO3741 in dB(A) ref 1pW typical value, at nominal torque and nominal speed, without application/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) > 31mm must be respected.
- A motor crown adaptor between motor and end product tube is required to ensure concentric operation of motor.
- Sonesse 30 Series drive stop and screw (included with crown and drive) are recommended to prevent noise and drive wheel separation from motor shaft.

## Integrated Motor Plates (sold separately)

| | | |
|---|---|---|
| **9025996** | Sonesse 30 Motor Plate<br>Rollease 360 R3-R8 10 x 1.8mm and screws |  |
| **9025999** | Sonesse 30 Motor Plate<br>Acmeda 12mm and screws |  |
| **9026003** | Sonesse 30 Motor Plate<br>Rollease Skyline and screws |  |
| **9026093** | Sonesse 30 Motor Plate<br>M3 x 6mm Philips flat-head plastite screw |  |

## Cables

CAT-5e SF/UTP – RJ45 7.5 in. (19cm) pigtail with RJ45 shielded female to female coupler, #9028957



## Optional Head Covers



Optional Grey
#9027133



Optional Black
#9027134



White (supplied with motor)
#9027132

# Sonesse® 30 RS485 24V DC

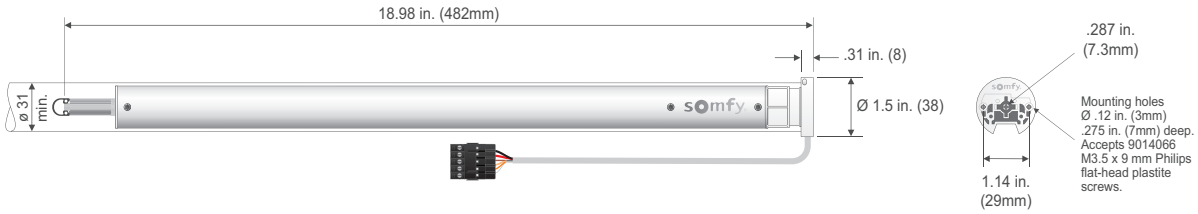
Item #: 1241144

## Technical Features

| | |
|---|---|
| **Nominal Voltage** | 24V DC |
| **Rated Current** | .725 A |
| **Standby Power** | .2 W |
| **Torque** | 2 Nm |

| | |
|---|---|
| **Default Speed** | 25 rpm |
| **Speed Range** | 10 to 28 rpm<br>(speed regulated and adjustable) |
| **Control** | RS485 |

## Dimensions




## Specifications

| | |
|---|---|
| **Supply tolerance** | 21.6 – 26.4V DC |
| **Running time** | 6 minutes |
| **Repeatability** | + 6° |
| **Cable** | AWG24 - 1 cable: 5 wire (9.8 in. 5 position Weidmüller pigtail non-removable) |
| **Index protection rating** | IP30 (interior use only) |
| **Limit switch unit** | Electronic |
| **Limit switch capacity** | 125 turns (limited to 6 minutes of rotation without stop) |
| **Temperature working range** | From 32°F to 140°F (0°C to 60°C) |
| **Electric insulation** | Class III |
| **Sound level*** | <47 dB(A)* |




***Sound level:**
Power Level: according to standards ISO3741 in dB(A) ref 1pW typical value, at nominal torque and nominal speed, without application/end product.

**Fabrication recommendations:**

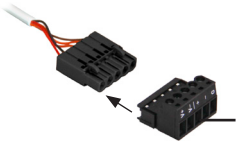
- Operational noise level is reduced when motor, tube, and mechanical accessories are properly adapted to motorized applications.
- Free play must be minimized between the accessories and the end product tube to ensure quiet performance of the motor.
- Interior Tube Diameter (ID) > 31mm must be respected.
- A motor crown adaptor between motor and end product tube is required to ensure concentric operation of motor.
- Sonesse 30 Series drive stop and screw (included with crown and drive) are recommended to prevent noise and drive wheel separation from motor shaft.

## Integrated Motor Plates (sold separately)

| | | |
|---|---|---|
| **9025996** | Sonesse 30 Motor Plate<br>Rollease 360 R3-R8 10 x 1.8mm and screws |  |
| **9025999** | Sonesse 30 Motor Plate<br>Acmeda 12mm and screws |  |
| **9026003** | Sonesse 30 Motor Plate<br>Rollease Skyline and screws |  |
| **9026093** | Sonesse 30 Motor Plate<br>M3 x 6mm Philips flat-head plastite screw |  |

## Cables

Weidmüller non-removable pigtail = 1 cable 9.8 in. (249mm) with 5 wires (2 power, 3 data).





9020743 Weidmüller 5-position connector included and also sold searately

## Optional Head Covers



Optional Grey
#9027133



Optional Black
#9027134



White (supplied with motor)
#9027132

# Roll Up 30 Short RS485 24V DC

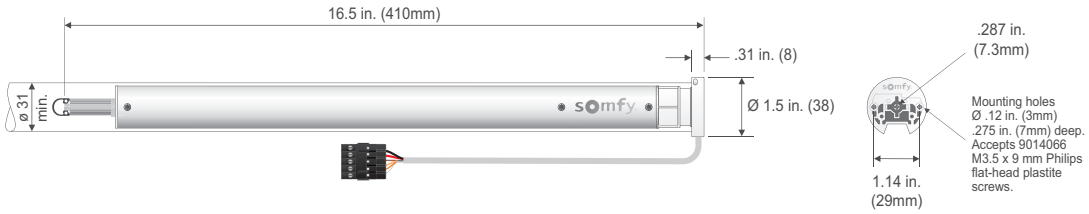
Item #: 1246901

## Technical Features

| | |
|---|---|
| **Nominal Voltage** | 24V DC |
| **Rated Current** | .725 A |
| **Standby Power** | .2 W |
| **Torque** | 2 Nm |

| | |
|---|---|
| **Default Speed** | 25 rpm |
| **Speed Range** | 10 to 28 rpm<br>(speed regulated and adjustable) |
| **Control** | RS485 |

## Dimensions




## Specifications

| | |
|---|---|
| **Supply tolerance** | 24V DC |
| **Running time** | 6 minutes |
| **Repeatability** | + 6° |
| **Cable** | AWG24 - 1 cable: 5 wire (9.8 in. 5 position Weidmüller pigtail non-removable) |
| **Index protection rating** | IP30 |
| **Limit switch unit** | Electronic |
| **Limit switch capacity** | 125 turns |
| **Temperature working range** | From 32°F to 140°F (0°C to 60°C) |
| **Electric insulation** | Class III |
| **Sound level*** | <46 dB(A)* |




***Sound level:**
Power Level: according to standards ISO3741 in dB(A) ref 1pW typical value, at nominal torque and nominal speed, without application/end product.

**Fabrication recommendations:**

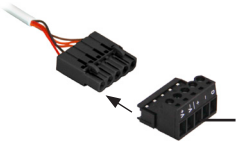
- Operational noise level is reduced when motor, tube, and mechanical accessories are properly adapted to motorized applications.
- Free play must be minimized between the accessories and the end product tube to ensure quiet performance of the motor.
- Interior Tube Diameter (ID) > 31mm must be respected.
- A motor crown adaptor between motor and end product tube is required to ensure concentric operation of motor.
- Sonesse 30 Series drive stop and screw (included with crown and drive) are recommended to prevent noise and drive wheel separation from motor shaft.

## Integrated Motor Plates (sold separately)

| | | |
|---|---|---|
| **9025996** | Sonesse 30 Motor Plate<br>Rollease 360 R3-R8 10 x 1.8mm and screws |  |
| **9025999** | Sonesse 30 Motor Plate<br>Acmeda 12mm and screws |  |
| **9026003** | Sonesse 30 Motor Plate<br>Rollease Skyline and screws |  |
| **9026093** | Sonesse 30 Motor Plate<br>M3 x 6mm Philips flat-head plastite screw |  |

## Cables

Weidmüller non-removable pigtail = 1 cable 9.8 in. (249mm) with 5 wires (2 power, 3 data).





9020743 Weidmüller 5-position connector included and also sold searately

## Optional Head Covers



Optional Grey
#9027133



Optional Black
#9027134



White (supplied with motor)
#9027132

# Sonesse® 30 RTS 24V DC

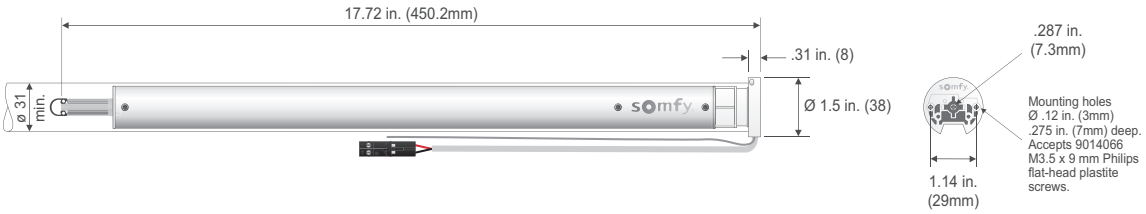
Item #:1241142

## Technical Features

| | |
|---|---|
| **Voltage Supply** | 24V DC |
| **Index Protection Rating** (interior use only) | IP 30 |
| **Limit Switch Type** | Electronic |
| **Limit Switch Capacity** | 150 turns (limited to 6 minutes of rotation without stop) |

| | |
|---|---|
| **Temperature Working Range** | 32°F to 140°F (0°C to 60°C) |
| **Insulation Class** | Class III |
| **Antenna** | 7.5 in. (19cm) wire length, must not be cut or lengthened. For greatest RF range, antenna must be exposed. |

## Dimensions




## Specifications

| | |
|---|---|
| **Supply tolerance** | 21.6 – 26.4V DC |
| **Rated current** | .625 A |
| **Standby power** | .2W |
| **Torque** | 2 Nm |
| **Default speed** | 25 rpm |
| **Speed range** | 6 to 28 rpm (speed regulated and adjustable) |
| **Radio frequency** | 433.42 MHz |
| **Thermal protection** | 6 minutes |
| **Sound Level*** | <47dB(A)* |

***Sound level:**
Power Level: according to standards ISO3741 in dB(A) ref 1pW typical value, at nominal torque and nominal speed, without application/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) > 31mm must be respected.
- A motor crown adaptor between motor and end product tube is required to ensure concentric operation of motor.
- Sonesse 30 Series drive stop and screw (included with crown and drive) are recommended to prevent noise and drive wheel separation from motor shaft.

## Integrated Motor Plates (sold separately)

| | | |
|---|---|---|
| **9025996** | Sonesse 30 Motor Plate<br>Rollease 360 R3-R8 10 x 1.8mm and screws |  |
| **9025999** | Sonesse 30 Motor Plate<br>Acmeda 12mm and screws |  |
| **9026003** | Sonesse 30 Motor Plate<br>Rollease Skyline and screws |  |
| **9026093** | Sonesse 30 Motor Plate<br>M3 x 6mm Philips flat-head plastite screw |  |

## Optional Head Covers

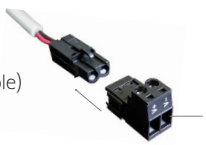

Optional Grey
#9027133


Optional Black
#9027134


White (supplied with motor)
#9027132

## Type of power cable

**24V DC Power Cable**
AWG24 – 1 Cable: 2 wire
(9.8 in. Weidmüller pigtail non-removable)




9027985 Weidmüller 2-position connector included and also sold searately

| Gauge | Length |
|---|---|
| 14 AWG | 240 ft. |
| 16 AWG | 150 ft. |
| 18 AWG | 100 ft. |

Maximum Power Cable Length (to guarantee characteristics)

# Sonesse® 30 DCT 24V DC

Item #: 1241146

DRY CONTACT

## Technical Features

| | |
|---|---|
| **Nominal Voltage** | 24V DC |
| **Rated Current** | .700 A |
| **Standby Power** | .2 W |
| **Torque** | 2 Nm |

| | |
|---|---|
| **Default Speed** | 25 rpm |
| **Speed Range** | 6 to 28 rpm<br>(speed regulated and adjustable) |
| **Control** | Dry Contact |

## Dimensions




## Specifications

| | |
|---|---|
| **Supply tolerance** | 21.6 – 26.4V DC |
| **Running time** | 6 minutes |
| **Repeatability** | + 5° |
| **Cable** | AWG24 – 2 Cables: 1 Cable 2-wire for power, 1 Cable 4-wire for communication (non-removable, 6 ft.) |
| **Index protection rating** | IP30 (interior use only) |
| **Limit switch unit** | Electronic |
| **Limit switch capacity** | 100 turns (limited to 6 minutes of rotation without stop) |
| **Temperature working range** | From 32°F to 140°F (0°C to 60°C) |
| **Electric insulation** | Class III |
| **Maximum distance between motor & wall switch (AWG24)** | 23 ft. (Sonesse 30 DCT Wall Switch, White #1800219) |
| **Sound level*** | <47 dB(A)* |




***Sound level:**
Power Level: according to standards ISO3741 in dB(A) ref 1pW typical value, at nominal torque and nominal speed, without application/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) > 31mm must be respected.
- A motor crown adaptor between motor and end product tube is required to ensure concentric operation of motor.
- Sonesse 30 Series drive stop and screw (included with crown and drive) are recommended to prevent noise and drive wheel separation from motor shaft.

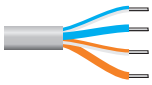
## Integrated Motor Plates (sold separately)

| | | |
|---|---|---|
| **9025996** | Sonesse 30 Motor Plate<br>Rollease 360 R3-R8 10 x 1.8mm and screws |  |
| **9025999** | Sonesse 30 Motor Plate<br>Acmeda 12mm and screws |  |
| **9026003** | Sonesse 30 Motor Plate<br>Rollease Skyline and screws |  |
| **9026093** | Sonesse 30 Motor Plate<br>M3 x 6mm Philips flat-head plastite screw |  |

## Cables

Limit Setting Tool #9014599 required for setting limits (sold separately).
2 non-removable 6 ft. cables (1 cable with 2 wires for power, and 1 cable with 4 wires for communication)




## Optional Head Covers


Optional Grey
#9027133


Optional Black
#9027134


White (supplied with motor)
#9027132

# Controls

## Zigbee® Technology

### TaHoma® switch



TaHoma® switch
1871037

TaHoma® switch
(with ethernet adaptor)
1871038



TaHoma® switch
Ethernet Adaptor
9028054

### Smart Plug



Smart Plug Zigbee
1871217

### DecoFlex WireFree™ Wall Switches



DecoFlex WireFree™ Zigbee,
White 2 Channel

Surface-mount
1871577

In-wall
1871573



DecoFlex WireFree™ Zigbee,
White 4 Channel

Surface-mount
1871576

In-wall
1871572

### Ysia®



Ysia® 1 Zigbee
1871153



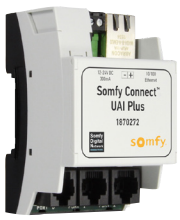
Ysia® 5 Zigbee
1871154



Ysia® 5 Variation Zigbee
1871281

## Integration Accessories

### Somfy Connect™ Universal Automation Interface (UAI) Plus




The Somfy Connect™ Universal Automation Interface (UAI) Plus allows for commissioning and integrating Somfy Digital Network™ (SDN) over IP.

1870272

### Somfy Connect™ BMS Interface




Provides communication between building management systems and SDN motorized shading systems.

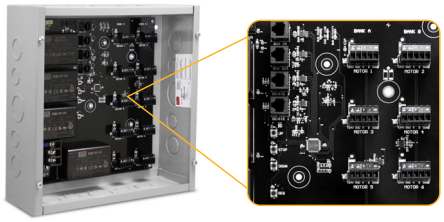
1871168

NOTE: For additional information regarding Zigbee® controls, contact Somfy Systems, Inc.

# Controls

## Somfy Digital Network™ (SDN) RS485

### Surface-mount Power Panel



SDN PowerConnect™ Surface-Mount Panel

This Power Panel is an SDN bus distribution component used to add 10 isolated motor ports and two isolated device ports to an SDN bus segment.

1871026

### Rack-mount Power Panels



SDN PowerConnect™ Rack-Mount Panel

This Power Panel is an SDN bus distribution device used to add eight isolated motor ports and two isolated device ports to an SDN bus segment per panel.

Single Kit: 1871027
Dual Kit: 1871312

### Data Panel



The Data Panel is a bus distribution component used to start or grow a Somfy Digital Network™ (SDN) system. This device adds 4 isolated bus segments to an SDN system.

1870260

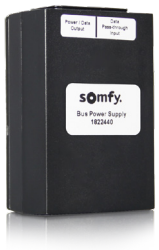
### Data Hub V2




The Data Hub V2 is a Somfy Digital Network™ (SDN) bus distribution component which adds 5 device ports to an SDN Bus line.

1870951

### Bus & Sensor Station Power Supply




The Somfy Bus and Sensor Station Power Supply provides 24V DC power to the SDN bus. Each Power Supply can provide power to up to 100 bus line devices (excluding motors).

1822440

### SDN 0-10V Interface




SDN 0-10V Interface V2

The 0-10V Interface is a Somfy Digital Network™ (SDN) device which receives industry standard 0-10V control input to operate SDN RS485 motors.

1870857

### RTS Receiver for SDN and animeo® IP



RTS Receiver for SDN V2

The RTS Receiver for SDN V2 allows RTS transmitters to control SDN groups as part of a stand-alone SDN system. It connects to any device port on the SDN bus for both power and communication.

1871471

RTS Receiver for animeo® IP V2

The RTS Receiver for animeo® IP provides communication between building management systems and SDN motorized shading systems.

1871498

# Controls

## DecoFlex Digital Keypads (RS485)

### Stand-alone SDN



6 Button
White: 1871479
Black: 1871495



8 Button
White: 1871472
Black: 1871494

### SDN Group Keypads



6 Button
White: 1871497



8 Button
White: 1871496

### animeo® IP



6 Button
White: 1871493
Black: 1871492



8 Button
White: 1871491
Black: 1871490

NOTE: Custom button ordering form available at **www.somfypro.com/decoflex-custom-button**
Visit tools page for software to configure keypads, **www.somfypro.com/services-support/software**

## 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

animeo® IP Sub-Controller
1860201

# Controls

## Radio Technology Somfy® (RTS)

### Situo & Telis Collections



Situo® 1 RTS
Pure Single
Channel Remote
1870571



Situo® 5 RTS
Pure Five
Channel Remote
1870575



Situo® 5 RTS
Soliris Five
Channel Remote
1870579



Situo® 5 RTS
Variation Five
Channel Remote
1811612



Telis 1 RTS Patio
Single Channel
Remote
1810643



Telis 4 RTS Patio
Five Channel
Remote
1810645



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
Pure Timer with
On-screen display
1805237

### DecoFlex WireFree™ Wall Switches



DecoFlex 1
Channel RTS
WireFree™ Wall Switch
White
1810897
Black
1810899



DecoFlex 2
Channel RTS
WireFree™ Wall Switch
White
1811068
Black
1811067



DecoFlex 3
Channel RTS
WireFree™ Wall Switch
White
1811071
Black
1811070



DecoFlex 4
Channel RTS
WireFree™ Wall Switch
White
1811074
Black
1811073



DecoFlex 5
Channel RTS
WireFree™ Wall Switch
White
1810813
Black
1810830



DecoFlex WireFree™
3-Button
White
1870908



DecoFlex WireFree™
Surface 5 Channel
White
1871025

- Wall Switches shown in white. Black finish is also available.
- Switches are shown assembled with printed channel buttons.
- Custom engraved buttons are also available.

● Black

- Wall Switches are only available in white.

NOTE: For additional information regarding RTS controls, contact Somfy Systems, Inc.

# Controls

## Radio Technology Somfy® (RTS)

### 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 is sold separately from Table Top Accessory.

### Smoove® Wall Switches



Smoove® 1 RTS Pure II
1871361

- Battery-operated convenience
- Surface mounts with ease
- Frames available in 3 colors



Smoove® 4 RTS Pure II
1871381

Pure Silver Matte Black

### TaHoma® switch



TaHoma® switch
1871037

TaHoma® switch
(with ethernet adaptor)
1871038



TaHoma® switch
Ethernet Adaptor
9028054

### 16 Channel RTS Interface



Universal RTS Interface 16-Channel
(converts IR, RS232, RS485 to RTS)
1810872

### RTS Repeater



RTS Repeater
(extends RTS range)
1810791

## Dry Contact Technology

DRY CONTACT

### RTS Dry Contact Interface



RTS Dry Contact Interface
Single Channel

1810493

### Dry Contact Switches



Sonesse® 30 DCT
Wall Switch, White
1800219

NOTE: For additional information regarding RTS controls, contact Somfy Systems, Inc.

# **Low-voltage Power Accessories -** Cables and Pigtails

## Sonesse® Pigtails

### Weidmüller 2-Position Connector



9027985

### SDN Motor Male Connector



9020743

### Sonesse® ULTRA 50 DC RTS Cable Power Pigtail




9020005

### Sonesse® ULTRA 50 DC RS485 Cable Data and Power Pigtail



9020004

### SDN Motor Female Connector



9025113

# Low-voltage Power Accessories - Cables and Pigtails

## SDN Low-Voltage Motor Power and Data Cable

### Overview

The SDN Low-voltage Motor Power and Data Cable is the power and communication backbone that connects low-voltage Somfy Digital Network™ (SDN) RS485 motors including the Sonesse® ULTRA 50 DC RS485 motor and Sonesse® 30 RS485 Motor to Somfy's Power Panel for SDN. Within a single jacket, this cable includes (1) 14 AWG power pair, (1) 22 AWG stranded, twisted and shielded data triad and (1) 24 AWG drain wire for the most reliable data communication on the market. With this cable, motor wiring runs can reach up to 240 ft. This cable is offered in plenum rated and non-plenum rated versions.

**Now available for purchase directly from Somfy.**



9020126
Non-plenum rated



9020127
Plenum rated

### Technical Specifications

| Electrical Specifications: | 9020126 | 9020127 |
|---|---|---|
| | 22 AWG Data Triad | |
| **Conductor DCR:** | 16.6 Ω/1,000 ft. | 15.7 Ω/1,000 ft. |
| **Capacitance:** | 12.5 pF/ft. | 12 pF/ft. |
| **Impedance:** | 100 Ω | 107 Ω |
| **14 AWG Power Pair** | | |
| **Conductor DCR:** | 2.7 Ω/1,000 ft. | 4.05 Ω/1,000 ft. |
| **Max voltage:** | 300V | |
| **Max current:** | 8A@77°F | |
| **Cable diameter:** | 0.284 in. (7.21mm) | 0.277 in. (7.04mm) |
| **Cable jacket:** | White | Yellow w/ black stripe |
| **Cable jacket material:** | Polyvinyl Chloride (PVC) | Plenum Rated Polyvinyl Chloride (PVC) |
| **Operating temperature:** | -4°F to 167°F<br>-20°C to 75°C) | 32°F to 167°F<br>(0°C to 75°C) |
| **Weight:** | 0.056 lb./ft. or<br>56 lbs./1,000 ft. roll | 0.059 lb./ft. or<br>59 lbs./1,000 ft. roll |

- Cable type:
  Twisted wire - non-shielded:
  2 x 14 AWG 41-strand annealed bare copper conductors
  Twisted and shielded:
  3 x 22 AWG 7-strand annealed bare copper conductors
  1 x 24 AWG:7 strand, tinned copper (drain)
- Shield type: 100% aluminum/poly shield foil
- Cable length per spool: 1000 ft.
- Ripcord: Nylon
- Regulatory Certification(s):
  NEC rated CL3R or CL3P
  EU RoHS-2 2011/65/EU Compliant
  UL13 compliant in accordance to NEC article 725

### Features

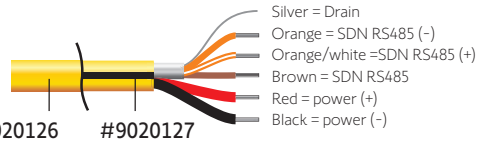
- Accommodate longer wiring distances with installation lengths up to 240 ft.
- Installation flexibility with plenum and non-plenum rated options
- Minimize ground noise produced by motors, switches or other
- electrical equipment
- Prevent signal corruption, damage to components connected to the bus, ground loops
- Protect against electrical line surges
- UL certified
- The only cable that meets the SDN 2.0 quality promise

### Related Products

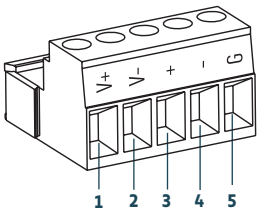
- Sonesse® 50 ULTRA DC RS485 Motor #1134022
- Data and power pigtail (Sonesse® 50 ULTRA DC) #9020004
- Sonesse® 30 RS485 Motor #1241144
- SDN PowerConnect™ Surface-Mount Panel #1871026

### Cable Pinouts

**Somfy SDN Low-voltage Motor Cable**
Data and Power Cable
24V DC / SDN Control
5 conductor cable




### Connections and Indicators




| | Element | Function |
|---|---|---|
| 1 | Voltage/Power - positive | 24V DC Power positive input |
| 2 | Voltage/Power - negative | 24V DC Power negative input |
| 3 | SDN RS485 - positive | Data communication - positive |
| 4 | SDN RS485 - negative | Data communication - negative |
| 5 | SDN RS485 - ground | Data communication - ground |

# Low-voltage Power Accessories - Transformers and Tools

| Plug-In | Limit Setting Tools | | |
|---|---|---|---|
| Plug-In Wall Type | Limit Setting Tool | RS485 Limit Setting Tool | Low-voltage RS485 Motor Limit Setting Cable |



| | |
|---|---|
| **# of Motors** | 1 Motor |
| **Dimensions** | 3.5" x 2.3" x 1.3" |
| **Nominal Load** | 24V DC 1.67A |
| **Part #** | 1822209 |

With 5 ft. cable - 20 AWG

NOTE: See Power Panel for SDN (#1871026) on page 16 for SDN RS485 Power Panel installations.

Intertek



Required for setting limits for Sonesse® 30 DCT motors

9014599



Required tool for motor limit setting, advanced motor settings and discovering motors for SDN RS485 motors.

9017142



Cable used for connecting to low-voltage SDN RS485 motors to perform motor limit setting, advanced motor settings and discovery.

9019873

# Power/Control Distribution Enclosure Options

**Not to be used with SDN installations**

## 5 Motor - #1870196



**Kit includes:**

1 - 5 Motor Distribution Panel

1 - 24V DC 10 Amp Power Supply

1 - 12 in. x 12 in. x 6.25 in. Enclosure

## 10 Motor - #1870192



**Kit includes:**

1 - 10 Motor Distribution Panel

1 - 24V DC 20 Amp Power Supply

1 - 18 in. x 18 in. x 6.25 in. Enclosure

## 15 Motor - #1870197



**Kit includes:**

1 - 5 Motor Distribution Panel

1 - 10 Motor Distribution Panel

1 - 24V DC 10 Amp Power Supply

1 - 24V DC 20 Amp Power Supply

1 - 18 in. x 18 in. x 6.25 in. Enclosure

## 20 Motor - #1870198



**Kit includes:**

2 - 10 Motor Distribution Panel

2 - 24V DC 20 Amp Power Supply

1 - 18 in. x 18 in. x 6.25 in. Enclosure

# Low-voltage Zigbee & RTS Control & Plug-in Style Power







Third-party Controller (for example: Crestron®, Universal Remote Control®, etc...)

Serial (RS232 or RS485) or IR



TaHoma® switch
1871037



Ysia® 1 Zigbee
1871153



DecoFlex WireFree™
Zigbee 2 Channel
Surface-mount
1871577



Smart Plug Zigbee
1871217

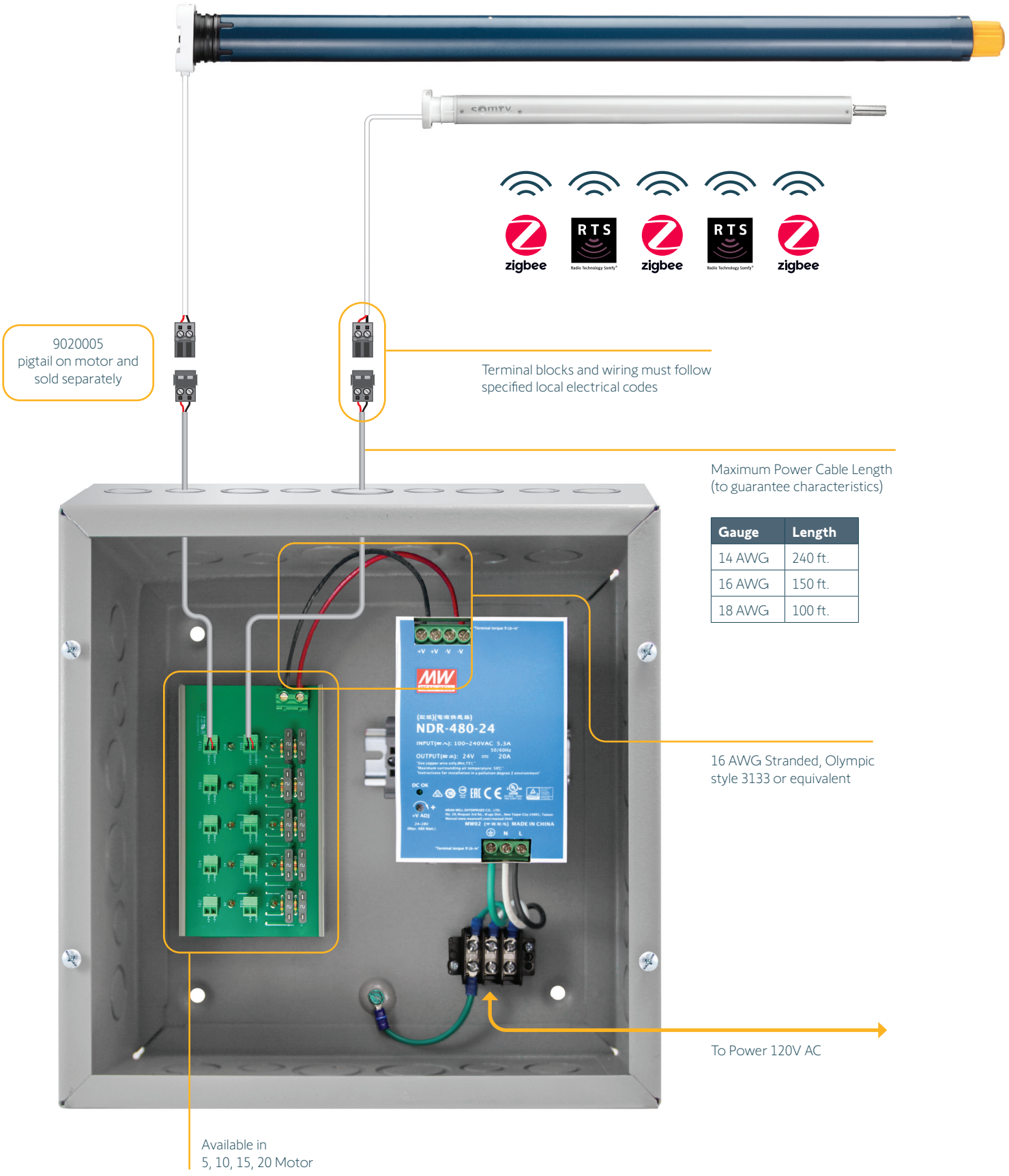


16 Channel Universal
RTS Interface
1810872



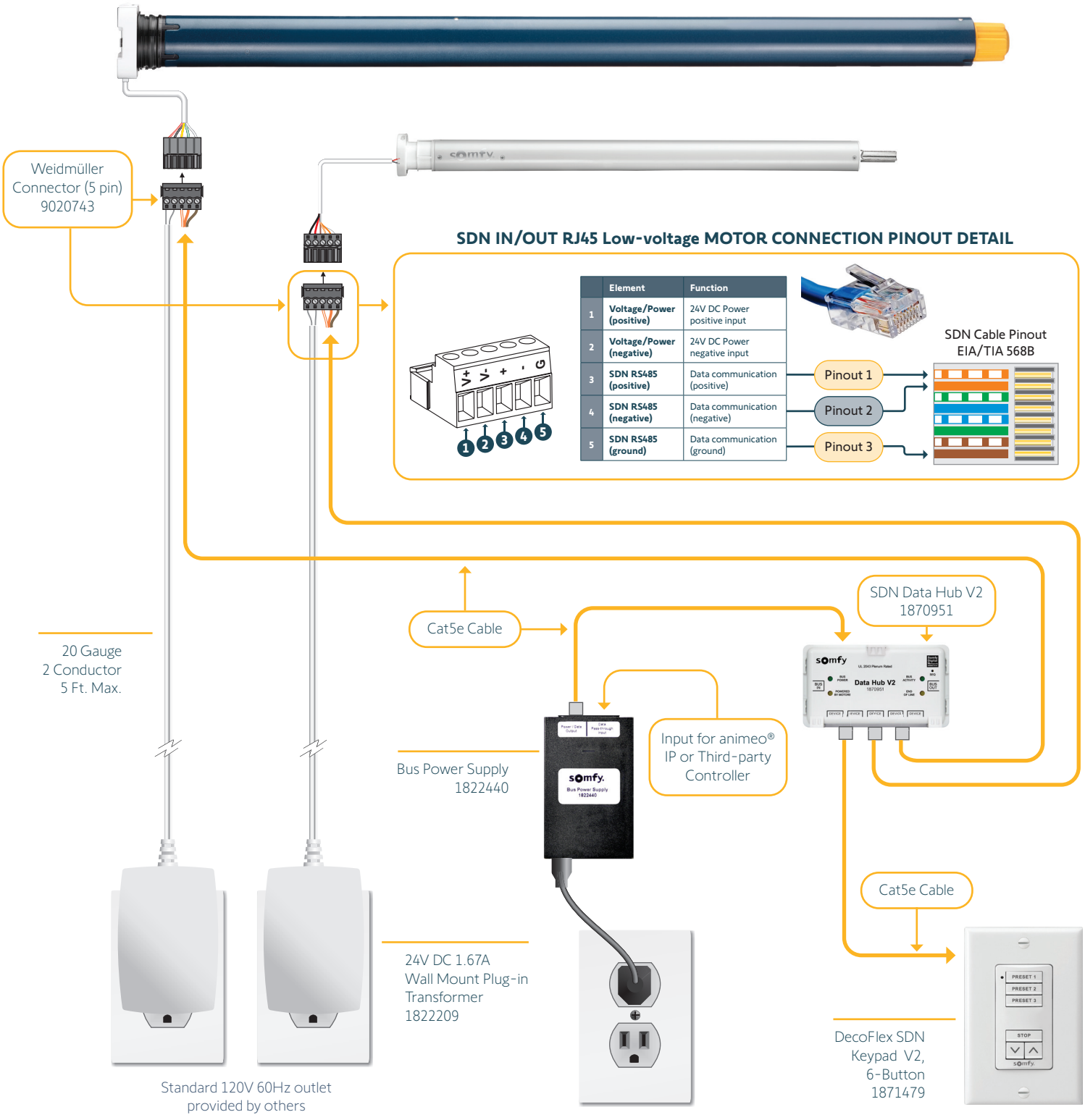
Situo® 1 RTS Pure
1870571

# Low-voltage Zigbee & RTS Control & Power Distribution

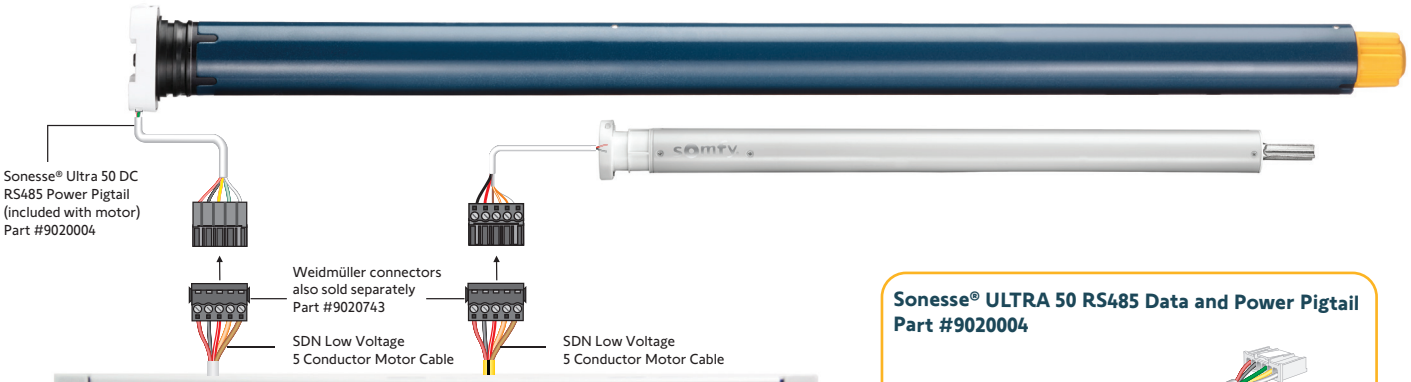


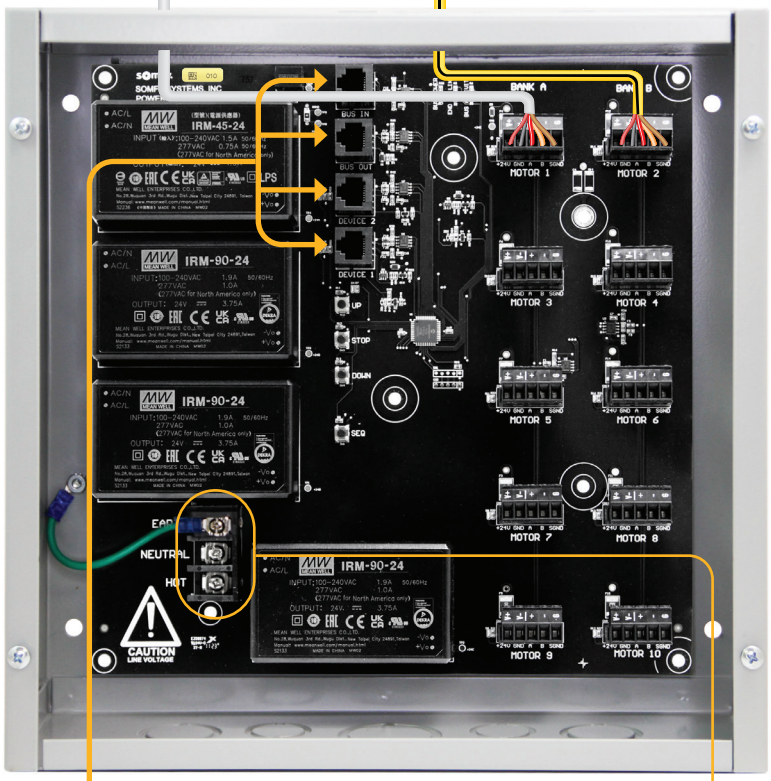

| Gauge | Length |
|---|---|
| 14 AWG | 240 ft. |
| 16 AWG | 150 ft. |
| 18 AWG | 100 ft. |

# Low-voltage RS485 Control & Plug-in Style Power



# Low-voltage RS485 Control & Power Distribution

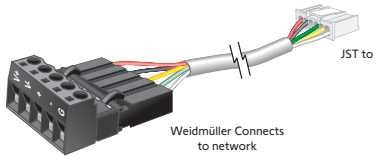



Somfy PowerConnect™
Surface-Mount Panel
Part #1871026

c UL us LISTED

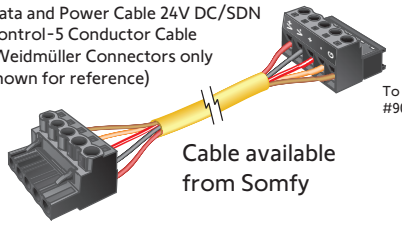
### Sonesse® ULTRA 50 RS485 Data and Power Pigtail Part #9020004

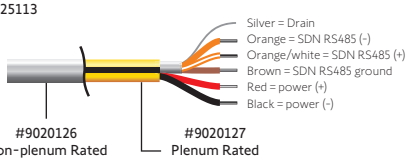



### SDN Low-Voltage Motor Cable Part #9020126 (non-plenum), #9020127 (plenum)

Non-plenum rated: 9020126 (US)/9020452 (CAN)
Plenum rated: 9020127 (US)/9020453 (CAN)

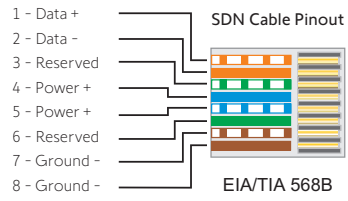
Data and Power Cable 24V DC/SDN
Control-5 Conductor Cable
(Weidmüller Connectors only
shown for reference)




SDN Low-voltage Motor Power and Data Cable is required to install SDN 2.0 systems. Somfy developed this power and communication backbone that connects low-voltage Somfy Digital Network™ (SDN) RS485 motors to Somfy's Power Panel for SDN.

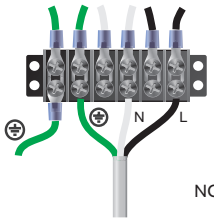
### SDN IN/OUT RJ45 CONNECTION






NOTE: All power panels require bus power

### 120V AC POWER INPUT



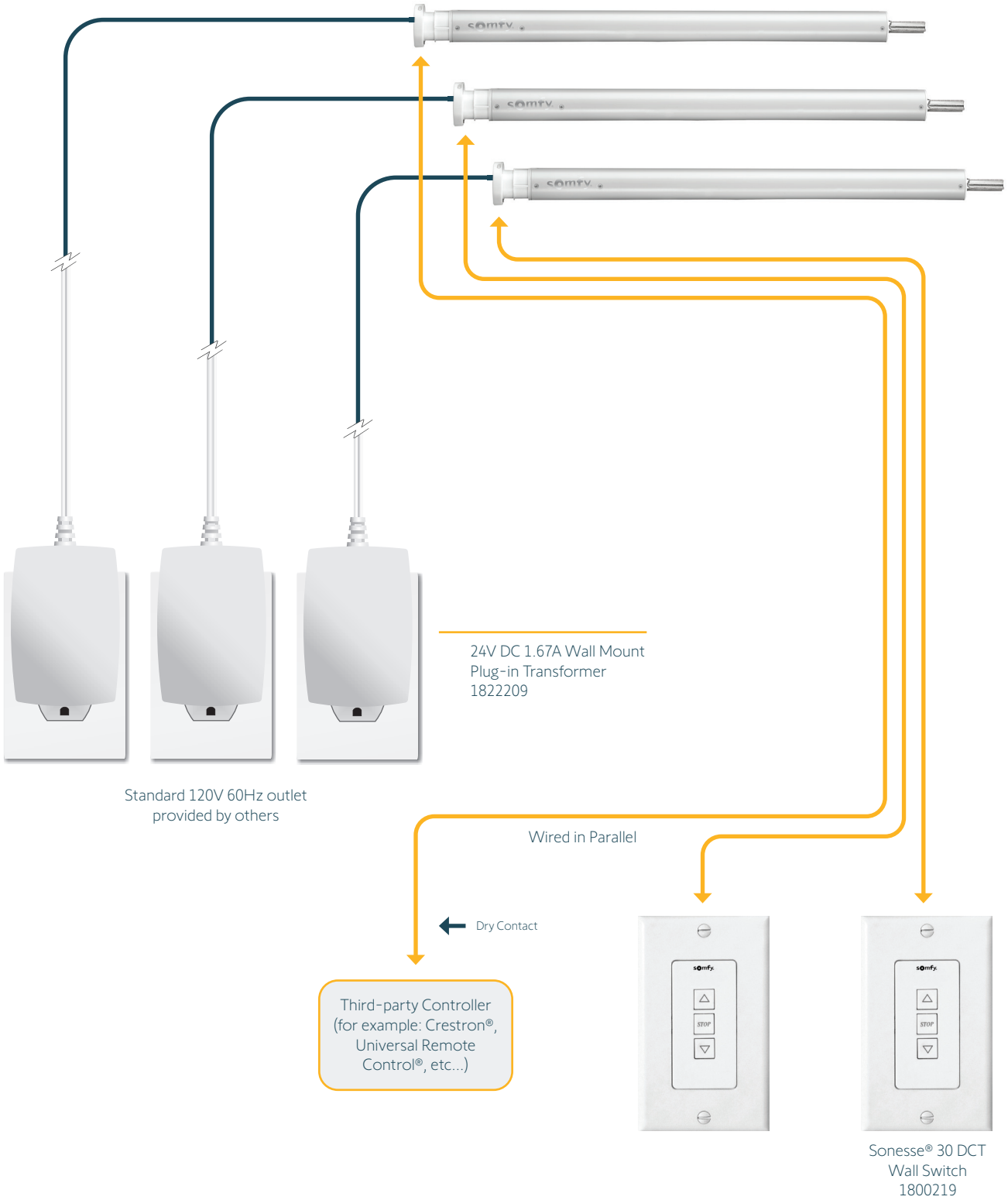

2/G Conductor

L = Line (Hot) (Black)
N = Neutral (White)
⏚ = Earth ground (Green)

NOTE: AC wiring in accordance with local codes

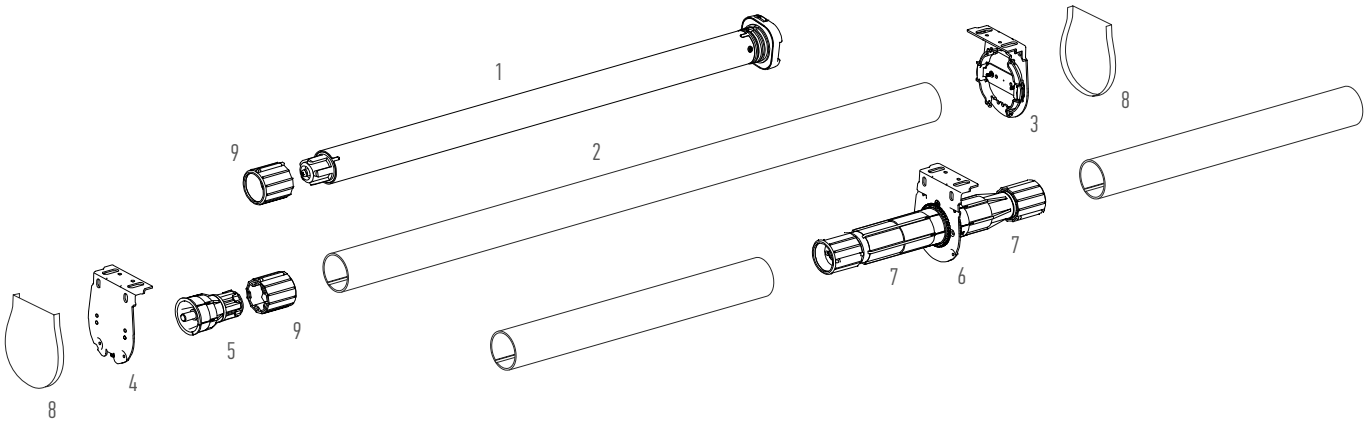
# Low-voltage Dry Contact Control & Plug-in Style Power

**APPLICATION EXAMPLE**

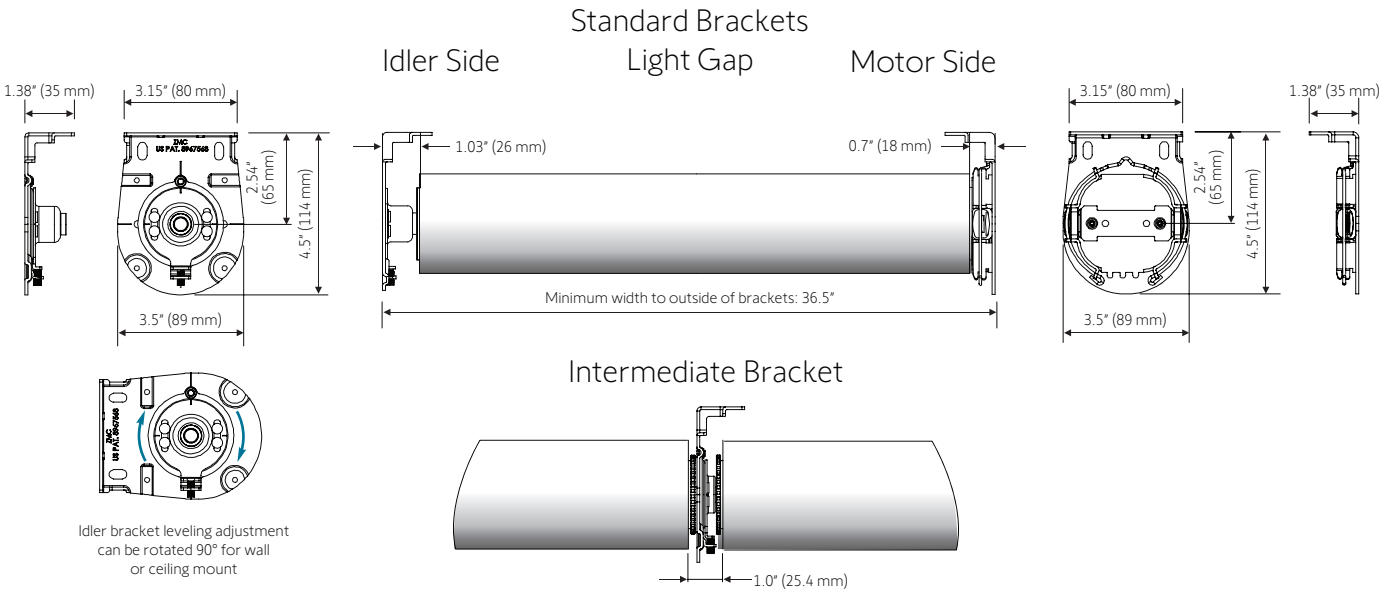


# Sonesse® ULTRA 50 DC Hardware Systems - ZMC®

## Standard Bracket Components




## Dimensions and Light Gap Specifications



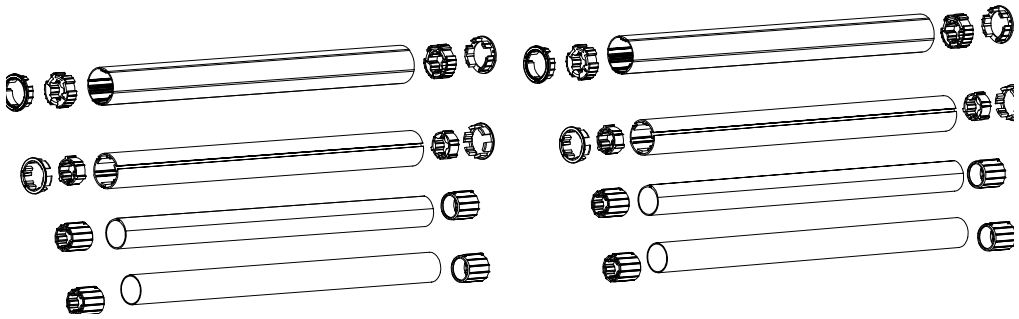

Idler bracket leveling adjustment can be rotated 90° for wall or ceiling mount

## Product Chart

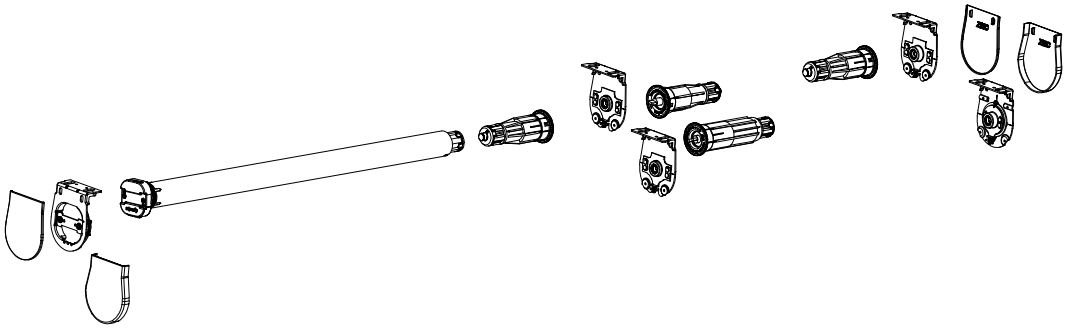
| Image | Description | Catalog Number |
|---|---|---|
| 1 | Sonesse® ULTRA 50 DC Motor (RTS) #1134023, RS485 #1134022 | |
| 2 | ZMC 2'' Grooved Motor Tube (per foot) | 9020965 |
| 3 | Sonesse® ULTRA 50 DC Motor Bracket With Spring Ring | 9020957 |
| 4 | Sonesse® ULTRA 50 DC Idler Bracket (10mm Ball) (Adjustable Wall or Ceiling Mount) | 9020958 |
| 5 | Sonesse® ULTRA 50 DC Universal Short Idler End (10mm) | 9020959 |
| 6 | Sonesse® ULTRA 50 DC Intermediate Bracket (10mm) (Adjustable Wall or Ceiling Mount) | N/A |
| 7 | Sonesse® ULTRA 50 DC Intermediate And Indexable Coupler (10mm Shaft) | N/A |
| 8 | Sonesse® ULTRA 50 DC Motor And Idler Bracket Cover | 9020963 |
| 9 | ZMC 2'' Grooved Tube Drive Wheel for Sonesse® ULTRA 50 Motors | 9020964 |

# Sonesse® ULTRA 50 DC Hardware Systems - ZMC®

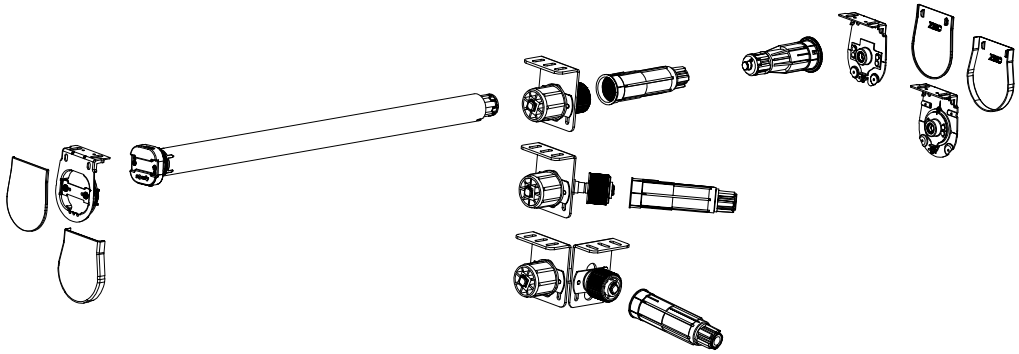
## Standard And Roller Tube Accessories



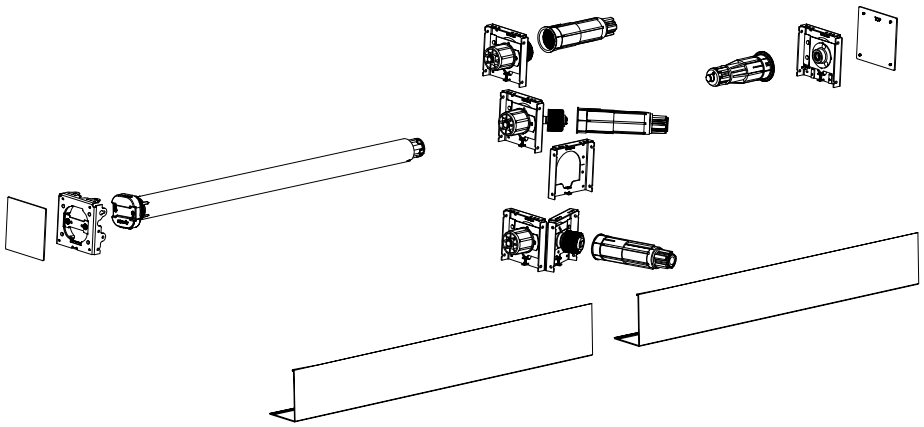
## Motor Brackets And Accessories for Sonesse ULTRA 50 DC Motors



## Motor U-Joint Indexable Bracket for Sonesse ULTRA 50 DC Motors

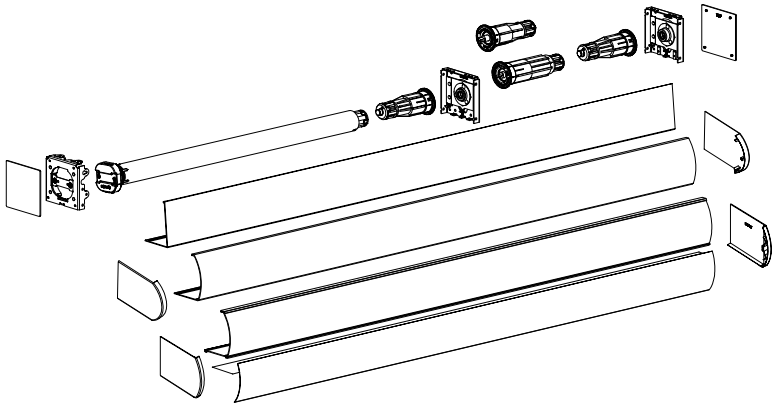


## 4'' Adjustable U-Joint Indexable Fascia Bracket for Sonesse ULTRA 50 DC Motors

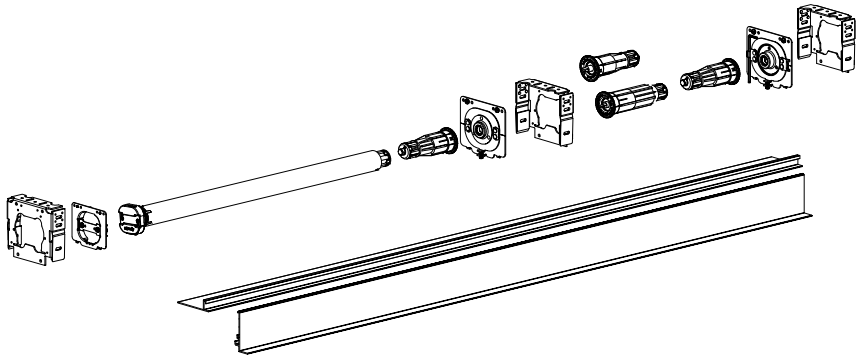


# Sonesse® ULTRA 50 DC Hardware Systems - ZMC®

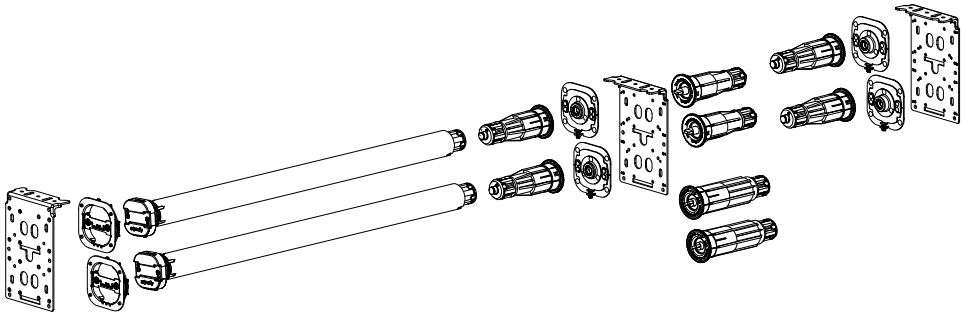
## 4'' Fascia Brackets for Sonesse ULTRA 50 DC Motors



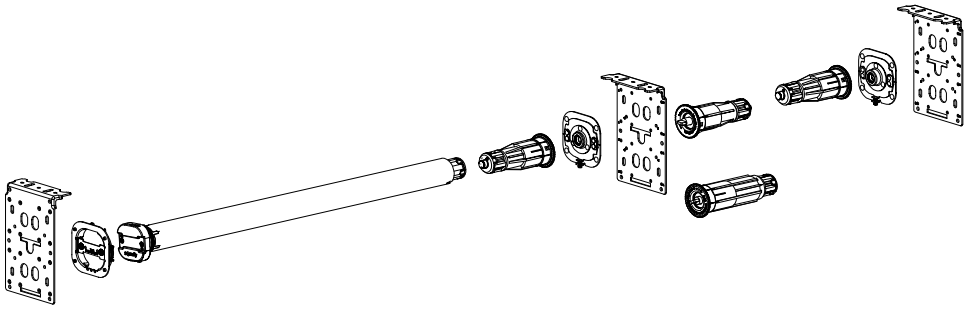
## 5.5'' Fascia System for Sonesse ULTRA 50 DC Motors



## 7.5'' Open Roll Duo Bracket for Sonesse ULTRA 50 DC Motors



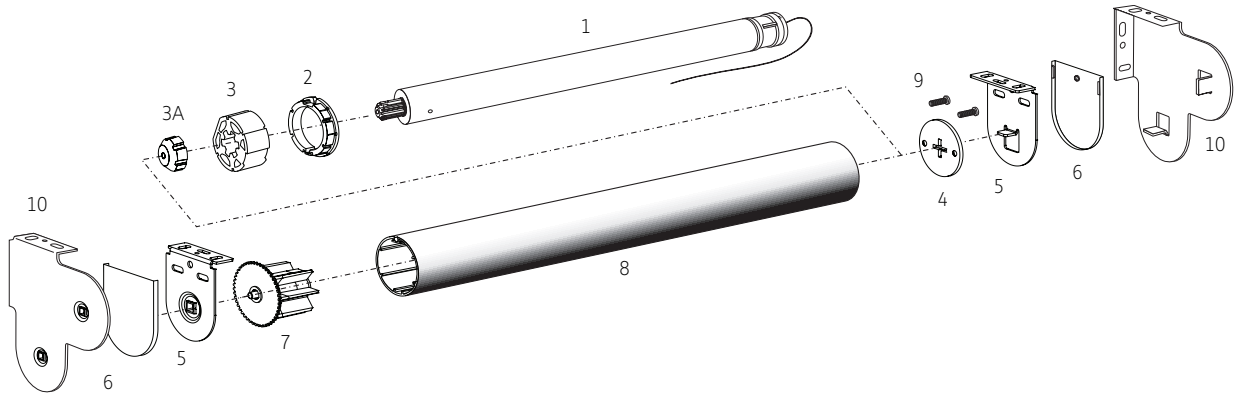
## 7.5'' Open Roll Single Blind Bracket for Sonesse ULTRA 50 DC Motors



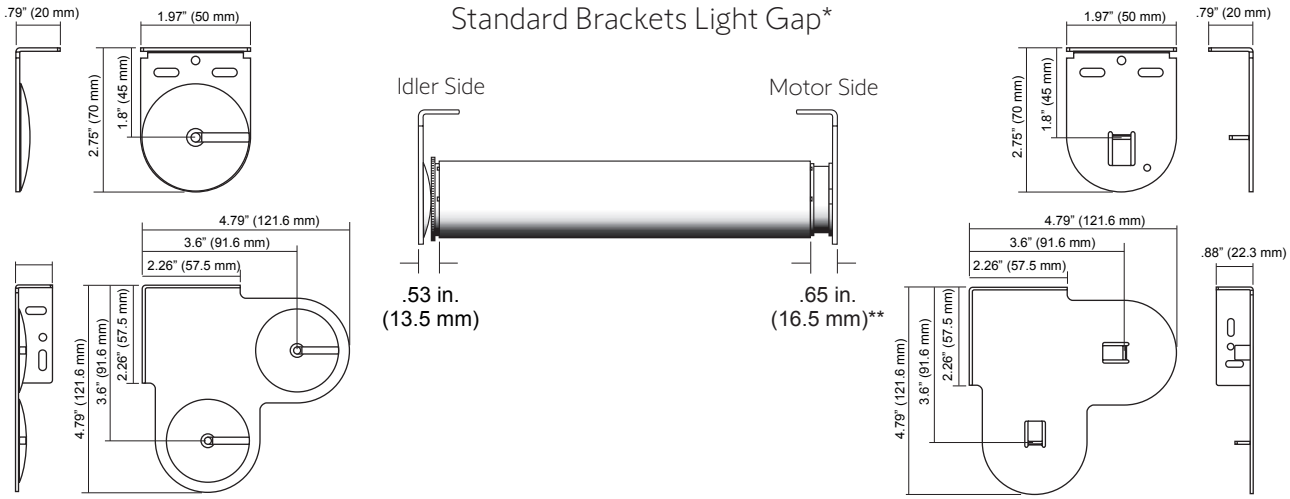
# 40mm Hardware Systems

## Acmeda®

### Standard Bracket Components




### Dimensions and Light Gap Specifications




*Dimensions for reference only and may differ depending on Mfg. product changes, installation, etc.
Includes motor bracket adaptor plate #9013789

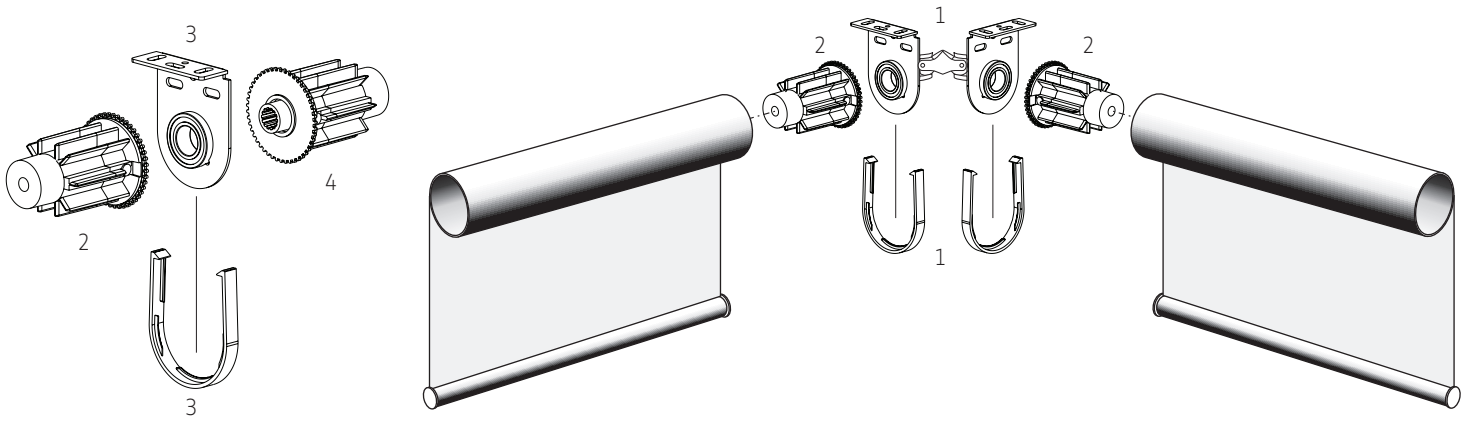
### Product Chart

| Image | Description | Catalog Number |
|---|---|---|
| 1 | SONESSE® 40 MOTOR SHOWN | Refer to spec sheet by technology |
| 2 | CROWN ADAPTOR 44MM TUBE (ACMEDA® TYPE) | 9013791 |
| 3 | DRIVE WHEEL 44MM (ACMEDA® TYPE) | 9013790 |
| 3A | 400 SERIES DRIVE STOP WITH SCREW | 9147894 |
| 4 | MOTOR BRACKET ADAPTOR PLATE (ACMEDA® TYPE) | 9013789 |
| 5 | MOTOR & IDLER BRACKET KIT 40P (ACMEDA® TYPE) | 9013778 |
| 6 | PLASTIC BRACKET COVER 40P KIT (ACMEDA® TYPE) | 9013780 |
| 7 | IDLER END PLUG 44MM TUBE (ACMEDA® TYPE) | 9013774 |
| 8 | 44 M ALUMINUM TUBE (16 FT. MAX LENGTH) | 1780688 |
| 9 | M3.5 X 9MM SCREWS | 9014066 |
| 10 | MOTOR BRACKET COMBO SET 122MM X 122MM | Contact Acmeda |

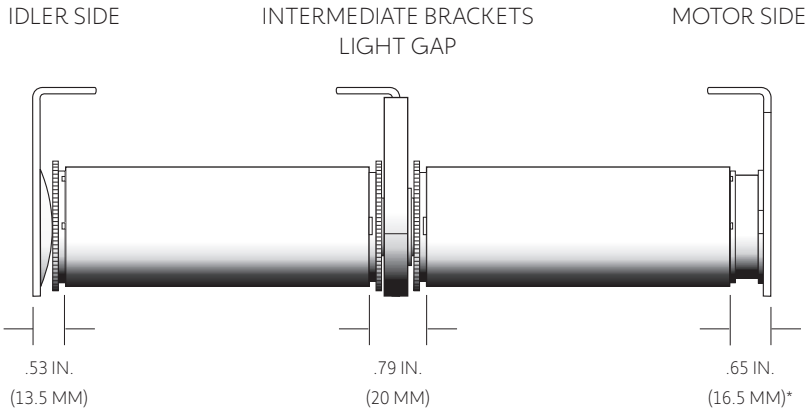
# 40mm Hardware Systems

## Acmeda®

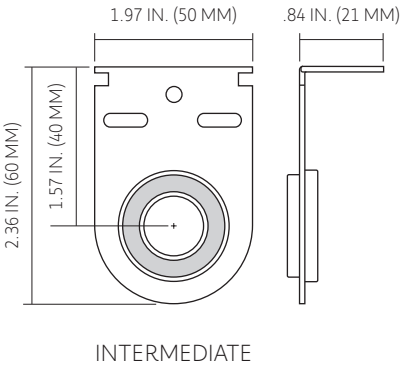
### Standard Bracket Components




### Dimensions and Light Gap Specifications




* INCLUDES MOTOR BRACKET ADAPTOR PLATE
#9013789



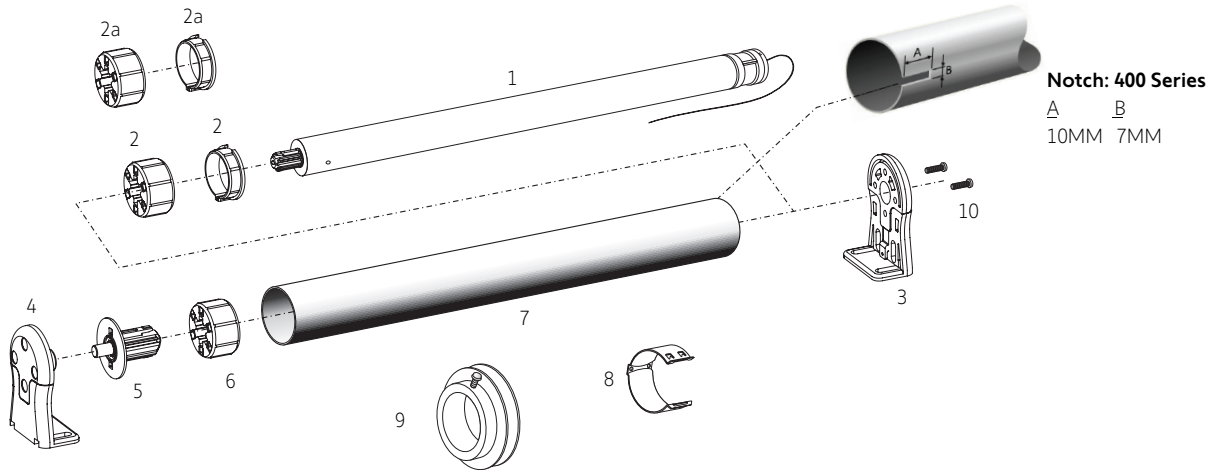

### Product Chart

| Image | Description | Catalog Number |
|---|---|---|
| 1 | INTERMEDIATE BRACKET & COVER KIT 40P, 0-90 DEGREES (ACMEDA® TYPE) | Contact Acmeda |
| 2 | INTERMEDIATE MALE IDLER END PLUG (ACMEDA® TYPE) | Contact Acmeda |
| 3 | INTERMEDIATE BRACKET & COVER KIT 40P (ACMEDA® TYPE) | Contact Acmeda |
| 4 | INTERMEDIATE FEMALE IDLER END PLUG (ACMEDA® TYPE) | Contact Acmeda |

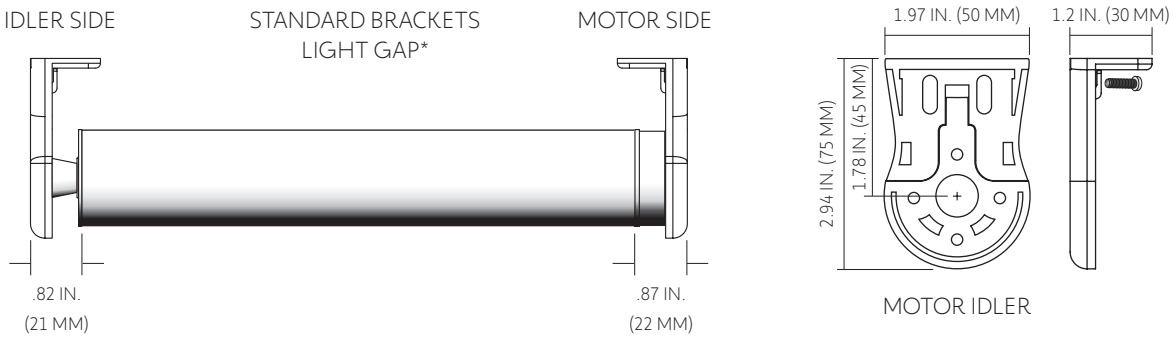
# 40mm Hardware Systems

## Somfy Decorator Type

### Standard Bracket Components




### Dimensions and Light Gap Specifications




*Dimensions for reference only and may differ depending on Mfg. product changes, installation, etc.

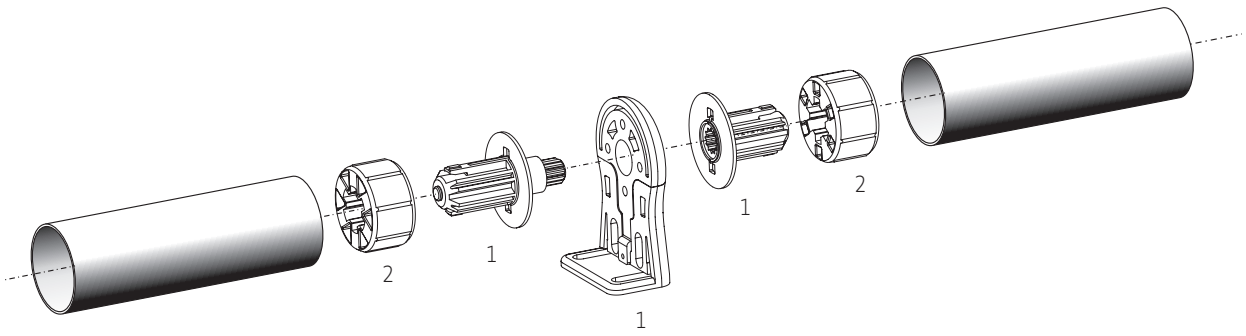
### Product Chart

| Image | Description | Catalog Number |
|---|---|---|
| 1 | SONESSE® 40 MOTOR SHOWN | Refer to spec sheet by technology |
| 2 | CROWN AND DRIVE (SOMFY 40MM X 1.5MM ROUND TUBE) | 9012224 |
| 2A | CROWN AND RUBBERIZED DRIVE (SOMFY 40MM X 1.5MM ROUND TUBE) | 9016654 |
| 3 | MOTOR BRACKET (DECORATOR TYPE) | 9500683 |
| 4 | IDLER END BRACKET (DECORATOR TYPE) | 9500685 |
| 5 | IDLER END PLUG (8MM DIA. PIN-DECORATOR TYPE) | 9500688 |
| 6 | 40MM ROUND DRIVE ONLY (FOR USE WITH IDLER END PLUG) | 9147544 |
| 7 | SOMFY 40MM ROUND TUBE (20 FT. MAX LENGTH) | 1781153 |
| 8 | 40MM FABRIC/CORD CLIP FOR ROMAN SHADE APPLICATIONS | 9012200 |
| 9 | CORD TAKE-UP REEL (40MM TUBE) | 1781152 |
| 10 | M3.5 X 9MM SCREWS | 9014066 |

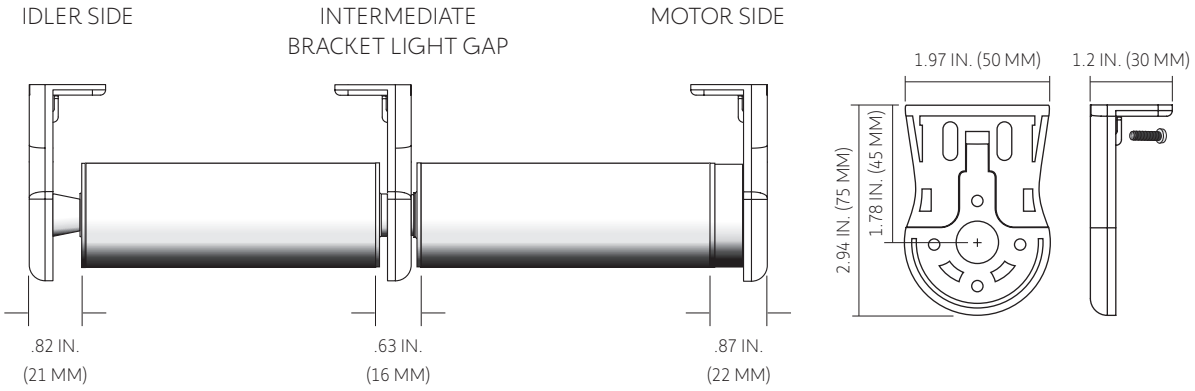
# 40mm Hardware Systems

## Somfy Decorator Type

### Standard Bracket Components




### Dimensions and Light Gap Specifications



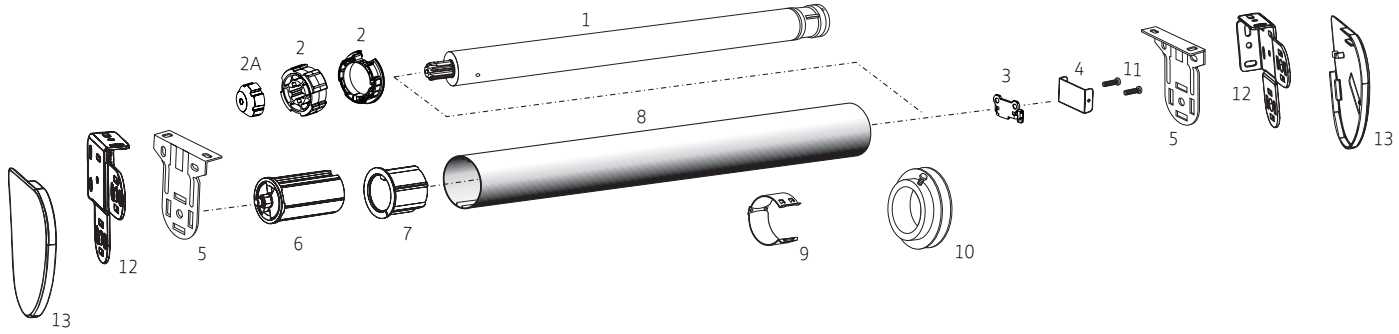

### Product Chart

| Image | Description | Catalog Number |
|---|---|---|
| 1 | INTERMEDIATE BRACKET KIT (DECORATOR TYPE) | 9500687 |
| 2 | 40MM ROUND DRIVE ONLY (FOR USE WITH INT. BRACKET) | 9147544 |

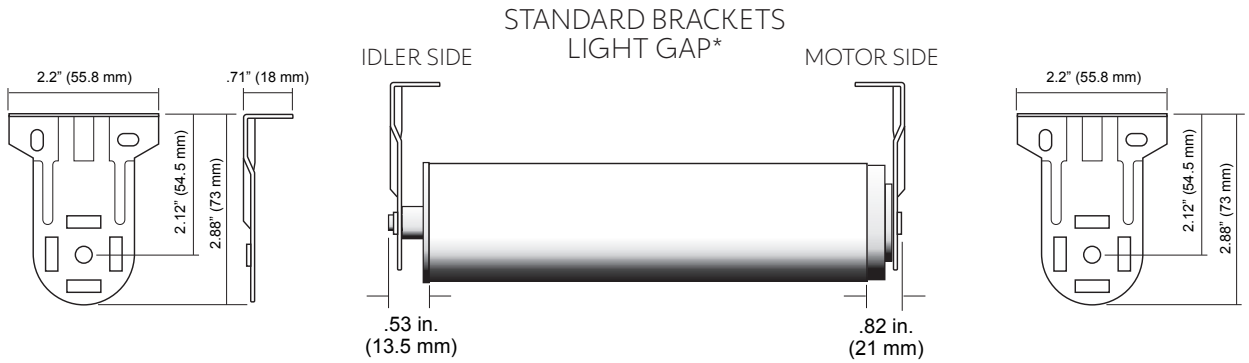
# 40mm Hardware Systems

## RollEase® Skyline

### Standard Bracket Components




### Dimensions and Light Gap Specifications




*Dimensions for reference only and may differ depending on Mfg. product changes, installation, etc.

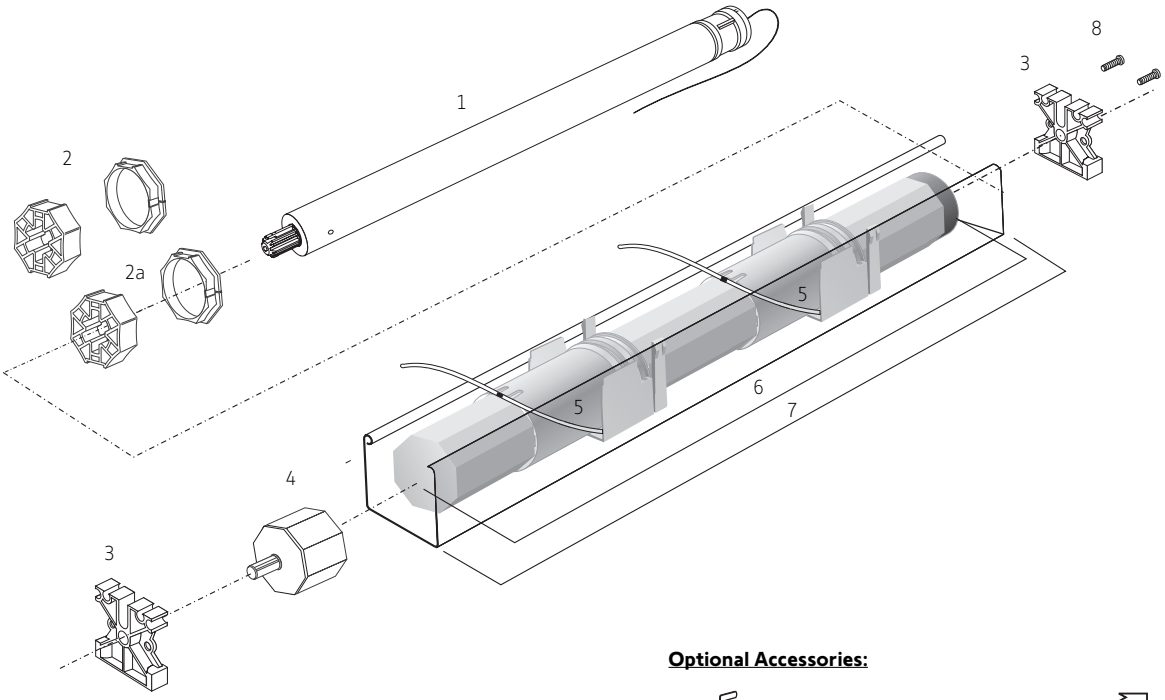
### Product Chart

| Image | Description | Catalog Number |
|---|---|---|
| 1 | SONESSE® 40 SHOWN | Refer to spec sheet by technology |
| 2 | SONESSE® 40 CROWN & DRIVE FOR ROLLEASE 2" TUBE<br>SONESSE® 40 CROWN & DRIVE FOR ROLLEASE 2.5" TUBE<br>SONESSE® 40 CROWN & DRIVE FOR ROLLEASE 3.25" TUBE<br>SONESSE® 40 TO 50 STAR HEAD ADAPTOR | 9029184<br>9029185<br>9029186<br>9029373 |
| 2A | 400 SERIES DRIVE STOP WITH SCREW | 9147894 |
| 3 | SONESSE® 30 MOTOR PLATE - ROLLEASE SKYLINE AND SCREWS (V2 HEAD) | 9026003 |
| 4 | SILENT MOTOR MOUNT CLIP FOR SKYLINE BRACKET | 9017255 |
| 5 | ROLLEASE® SKYLINE SERIES BRACKETS 2" | 9016325 |
| 6 | ROLLEASE® SKYLINE SERIES IDLER END PLUG | 5059165 |
| 7 | IDLER ADAPTOR COLLAR 2" PROFILE TUBE | 9016366 |
| 8 | 2" PROFILED TUBE | 1781798 |
| 9 | CORD CLIPS FOR ROMAN SHADE APPLICATIONS 2" TUBE | 9138028 |
| 10 | TAKE-UP REEL - ROLLEASE 2" TUBE | 1781151 |
| 11 | M3.5 X 9MM SCREWS | 9014066 |
| 12 | ROLLEASE® DOUBLE BRACKET | Contact Rollease |
| 13 | ROLLEASE® DOUBLE BRACKET COVERS | Contact Rollease |

# 40mm Hardware Systems

## Somfy CTS 40

### Cord Take-Up System (CTS)




**Optional Accessories:**

1781134 - 2" Slat Clips for Wood Blinds (White)
1781135 - 2" Slat Clips for Wood Blinds (Ivory)
1781136 - 2" Slat Clips for Wood Blinds (Brown)

1781133 - Ladder Crimp

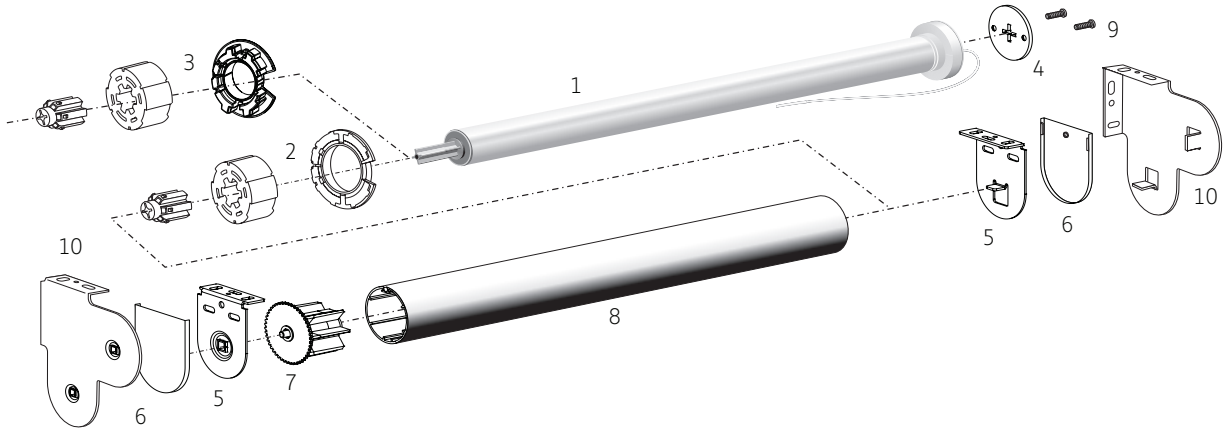
### Product Chart

| Image | Description | Catalog Number |
|---|---|---|
| 1 | SONESSE® 40 MOTOR SHOWN | Refer to spec sheet by technology |
| 2 | CROWN AND DRIVE KIT (40MM OCTAGONAL TUBE) | 9012225 |
| 2A | CROWN AND RUBBERIZED DRIVE KIT (40MM OCTAGONAL TUBE) | 9016655 |
| 3 | MOTOR / IDLER BRACKET (FOR 57MM X 51MM HEADRAIL) | 9500736 |
| 4 | IDLER END PLUG FOR 40MM OCTAGONAL TUBE | 9012274 |
| 5 | CTS 40 (FOR 57MM X 41MM HEADRAIL) | 1781118 |
| 6 | SOMFY 40MM OCTAGONAL TUBE (20 FT. MAX LENGTH) | 1781154 |
| 7 | 57MM X 51MM (2" X 2 1/4") GUTTER RAIL OR SIMILAR | Contact Manufacturer |
| 8 | M3.5 X 9MM SCREWS | 9014066 |

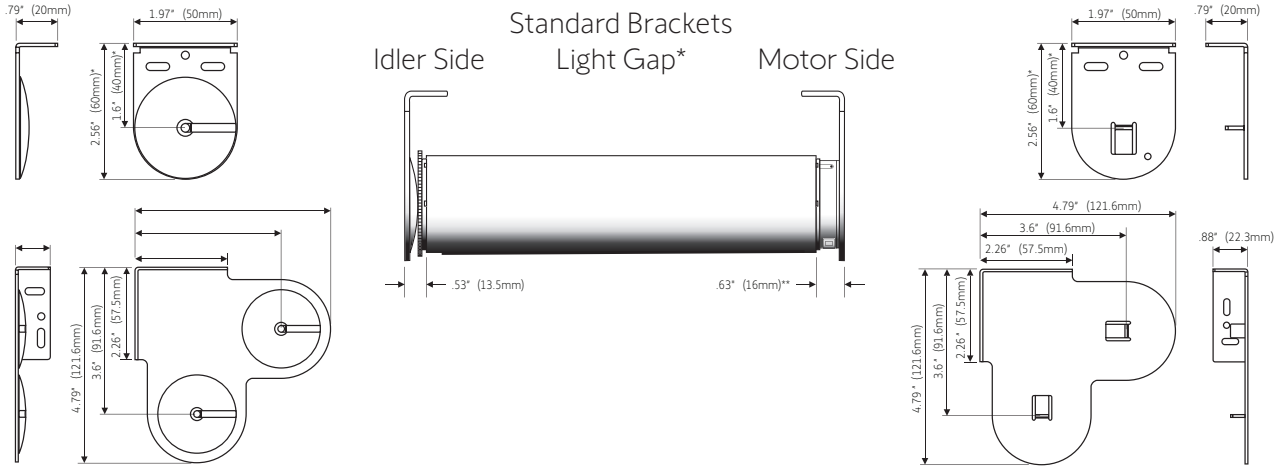
# 30mm Hardware Systems

## Acmeda®

### Standard Bracket Components




### Dimensions and Light Gap Specifications




*Dimensions for reference only and may differ depending on Mfg. product changes, installation, etc.
Includes motor bracket adapter plate #9013789

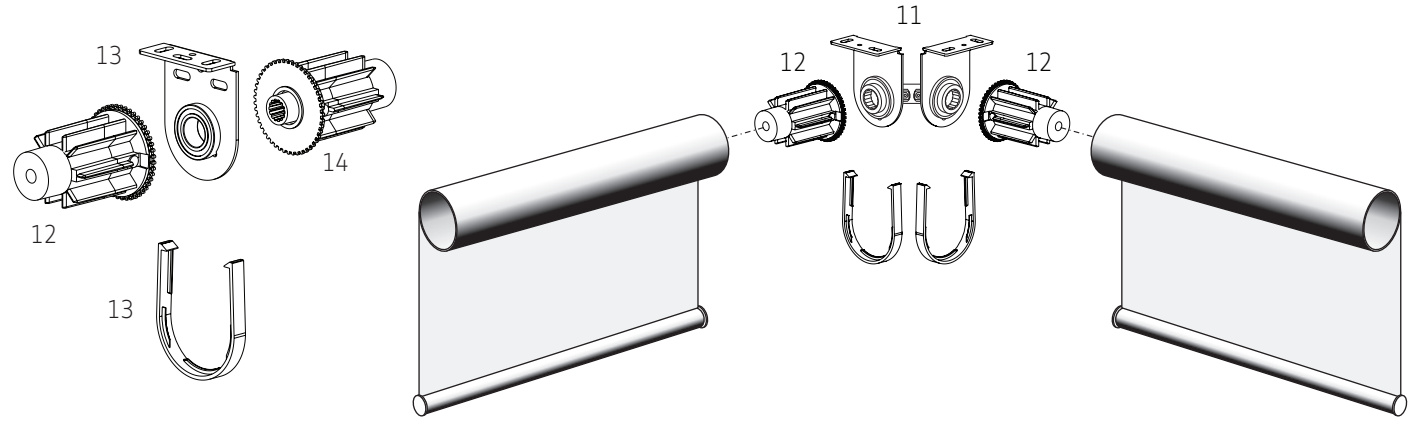
### Product Chart

| Image | Description | Catalog Number |
|---|---|---|
| 1A<br>1B<br>1C<br>1D | SONESSE® 30 ZIGBEE 24V DC<br>SONESSE® 30 RS485 24V DC<br>SONESSE® 30 RTS 24V DC<br>SONESSE® 30 DCT 24V DC | 1241970<br>1241144<br>1241142<br>1241146 |
| 2 | CROWN & DRIVE 45MM TUBE (ACMEDA TYPE) (DOES NOT REQUIRE # 9020676) | 9021018 |
| 3 | HEAVY DUTY CROWN & DRIVE 45MM (ACMEDA TYPE) (DOES NOT REQUIRE # 9020676) | 9021036 |
| 4 | MOTOR BRACKET ADAPTOR PLATE (ACMEDA TYPE) | 9013789 |
| 5 | MOTOR & IDLER BRACKET KIT 40P (ACMEDA TYPE) | 9013778 |
| 6 | PLASTIC BRACKET COVER 40P KIT (ACMEDA TYPE) | 9013780 |
| 7 | IDLER END PLUG 45MM TUBE (ACMEDA TYPE) | 9013774 |
| 8 | 45M ALUMINUM TUBE (16 FT. MAX LENGTH) | 1780688 |
| 9 | M 3.5 X 9MM SCREWS | 9014066 |
| 10 | DUAL MOTOR & IDLER BRACKET KIT 122MM X 122MM | Contact Rollease Acmeda |

# 30mm Hardware Systems

## Acmeda®

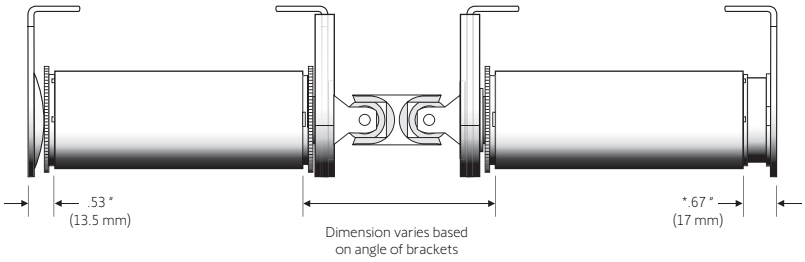
### Standard Bracket Components

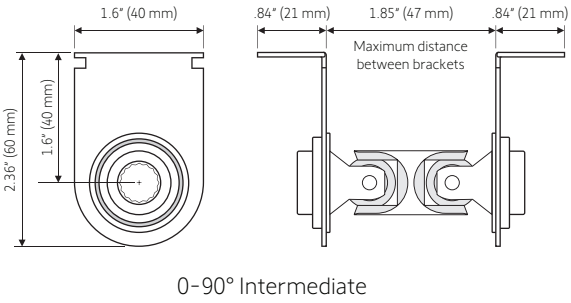



### Dimensions and Light Gap Specifications

#### 0-90° COUPLED SHADES

Idler Side — 0-90° Intermediate Brackets Light Gap — Motor Side

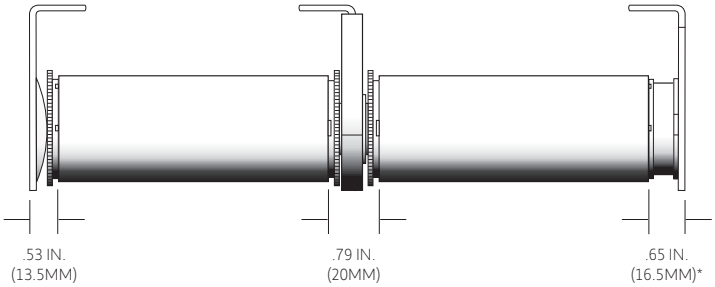


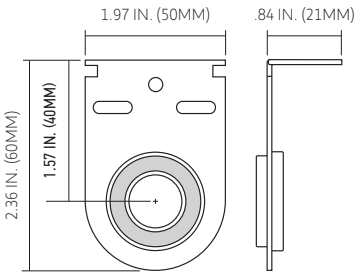




0-90° Intermediate

#### IN-LINE COUPLED SHADES

IDLER SIDE — INTERMEDIATE BRACKETS LIGHT GAP — MOTOR SIDE




INTERMEDIATE

* INCLUDES MOTOR BRACKET ADAPTOR PLATE #9013789

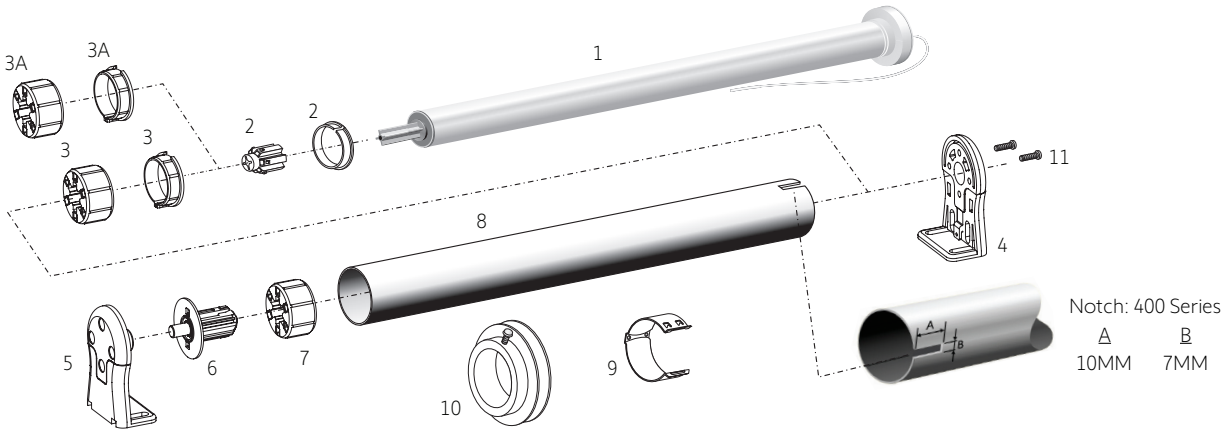
### Product Chart

| Image | Description | Catalog Number |
|---|---|---|
| 11 | INTERMEDIATE BRACKET & COVER KIT 40P, 0-90 DEGREES (ACMEDA TYPE) | Contact Rollease Acmeda |
| 12 | INTERMEDIATE MALE IDLER END PLUG (ACMEDA TYPE) | Contact Rollease Acmeda |
| 13 | INTERMEDIATE BRACKET & COVER KIT 40P (ACMEDA TYPE) | Contact Rollease Acmeda |
| 14 | INTERMEDIATE FEMALE IDLER END PLUG (ACMEDA TYPE) | Contact Rollease Acmeda |

# 30mm Hardware Systems

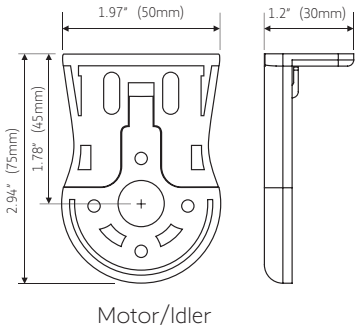
## Somfy Decorator Type

### Standard Bracket Components




### Dimensions and Light Gap Specifications




Motor/Idler

*Dimensions for reference only and may differ depending on Mfg. product changes, installation, etc.

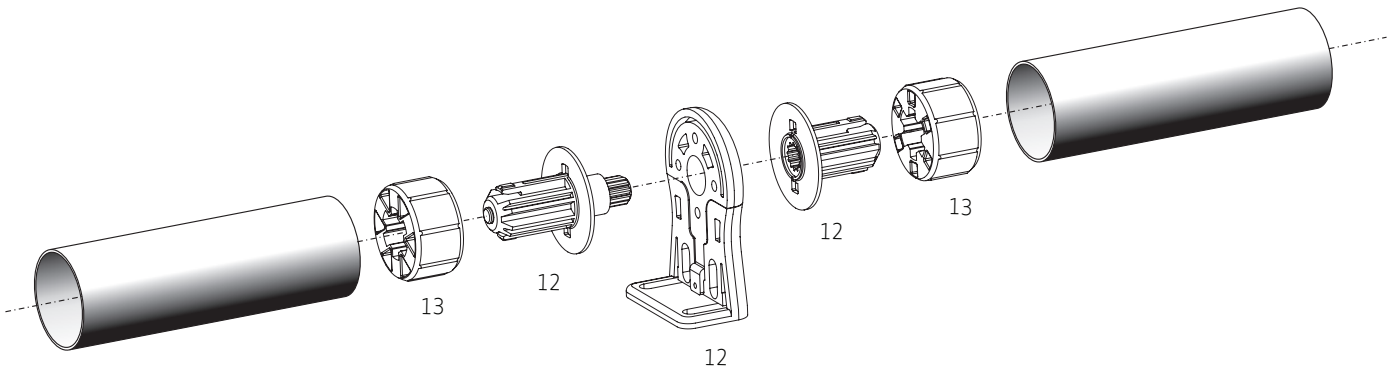
### Product Chart

| Image | Description | Catalog Number |
|---|---|---|
| 1A<br>1B<br>1C<br>1D | SONESSE® 30 ZIGBEE 24V DC<br>SONESSE® 30 RS485 24V DC<br>SONESSE® 30 RTS 24V DC<br>SONESSE® 30 DCT 24V DC | 1241970<br>1241144<br>1241142<br>1241146 |
| 2 | SONESSE® 30 WIREFREE TO LS40 ADAPTOR KIT (REQUIRED PART FOR CONVERSION) | 9020676 |
| 3 | CROWN AND DRIVE (SOMFY 40MM X 1.5MM ROUND TUBE) | 9012224 |
| 3A | CROWN AND RUBBERIZED DRIVE (SOMFY 40MM X 1.5MM ROUND TUBE) | 9016654 |
| 4 | MOTOR BRACKET (DECORATOR TYPE) | 9500683 |
| 5 | IDLER END BRACKET (DECORATOR TYPE) | 9500685 |
| 6 | IDLER END PLUG (DECORATOR TYPE) | 9500688 |
| 7 | 40MM ROUND DRIVE (FOR USE WITH IDLER END PLUG 9500688) | 9147544 |
| 8 | SOMFY 40MM ROUND TUBE (20FT. MAX LENGTH) | 1781153 |
| 9 | 40MM FABRIC/CORD CLIP FOR ROMAN SHADE APPLICATIONS | 9012200 |
| 10 | CORD TAKE-UP REEL (40MM TUBE) | 1781152 |
| 11 | M3.5 X 9MM SCREWS (MUST BE ORDERED SEPARATELY WHEN USED WITH SONESSE® 30 MOTOR RANGE.) | 9014066 |

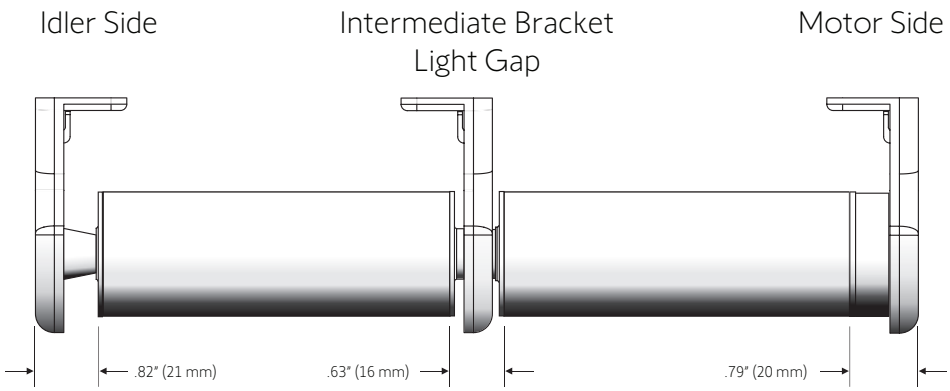
# 30mm Hardware Systems

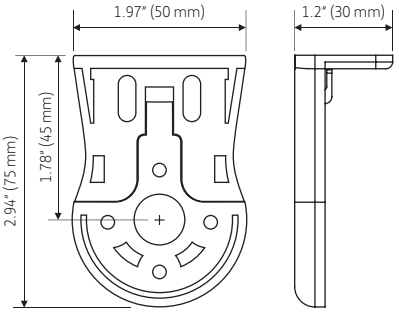
## Somfy Decorator Type

### Intermediate Bracket Components




### Dimensions and Light Gap Specifications



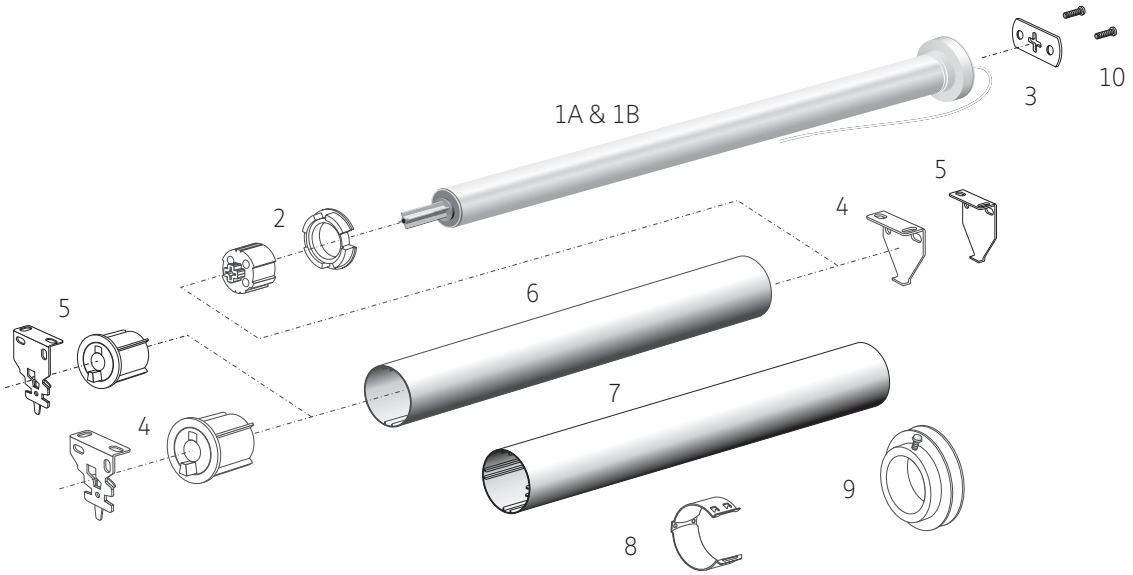

### Product Chart

| Image | Description | Catalog Number |
|---|---|---|
| 12 | INTERMEDIATE BRACKET KIT (DECORATOR TYPE) | 9500687 |
| 13 | 40MM ROUND DRIVE (FOR USE WITH INTERMEDIATE BRACKET) | 9147544 |

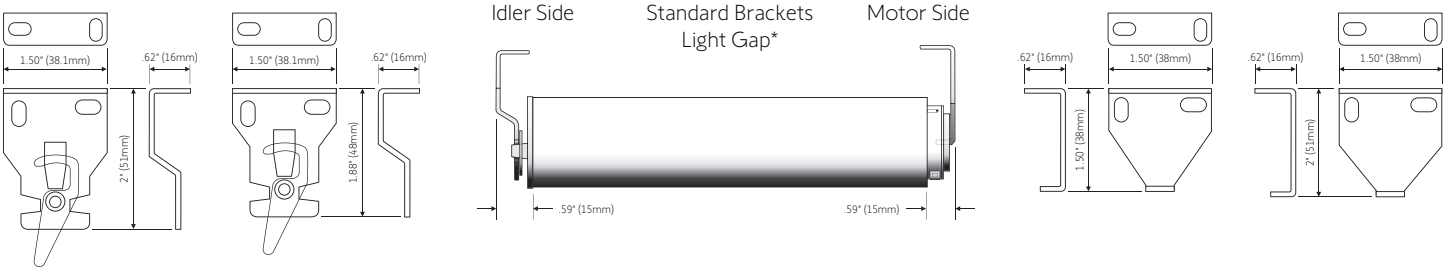
# 30mm Hardware Systems

## RollEase® Standard & ZMC XR-Series

### Standard Bracket Components




### Dimensions and Light Gap Specifications




*Dimensions for reference only and may differ depending on Mfg. product changes, installation, etc.

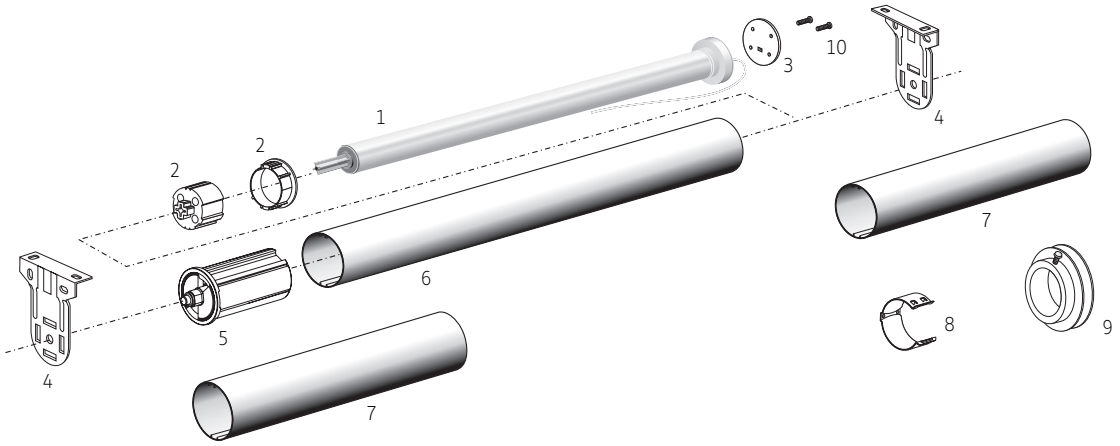
### Product Chart

| Image | Description | Catalog Number |
|---|---|---|
| 1A<br>1B<br>1C<br>1D | SONESSE® 30 ZIGBEE 24V DC<br>SONESSE® 30 RS485 24V DC<br>SONESSE® 30 RTS 24V DC<br>SONESSE® 30 DCT 24V DC | 1241970<br>1241144<br>1241142<br>1241146 |
| 2 | CROWN AND DRIVE FOR ROLLEASE® 1.5" TUBE | 9020674 |
| 3 | R8 ADAPTOR PLATE | 9012258 |
| 4 | 1.5" PROJECTION BRACKET KIT R8 SERIES & ZMC 1.5" PROJECTION XR-SERIES BRACKETS | Contact ZMC |
| 5 | 2" PROJECTION BRACKET KIT R8 SERIES & ZMC 2" PROJECTION XR-SERIES BRACKETS | Contact ZMC |
| 6 | ROLLEASE® 1.5" TUBE | 9017913 |
| 7 | ZMC 1.5" Z-TUBE | Contact ZMC |
| 8 | 40MM FABRIC/CORD CLIP FOR ROMAN SHADE APPLICATIONS | 9012200 |
| 9 | TAKE-UP REEL (FOR ROLLEASE® 1.5" TUBE & ZMC 1.5" Z-TUBE) | 1780786 |
| 10 | M3.5 X 9MM SCREWS | 9014066 |

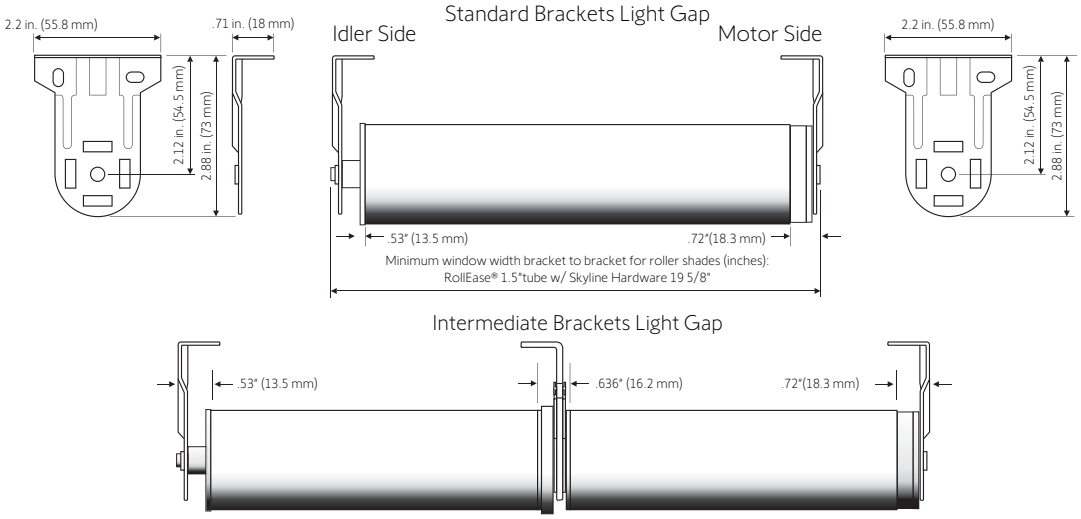
# 30mm Hardware Systems

## Rollease® Skyline™ and ZMC® XL-Series

### Standard Bracket Components




### Dimensions and Light Gap Specifications



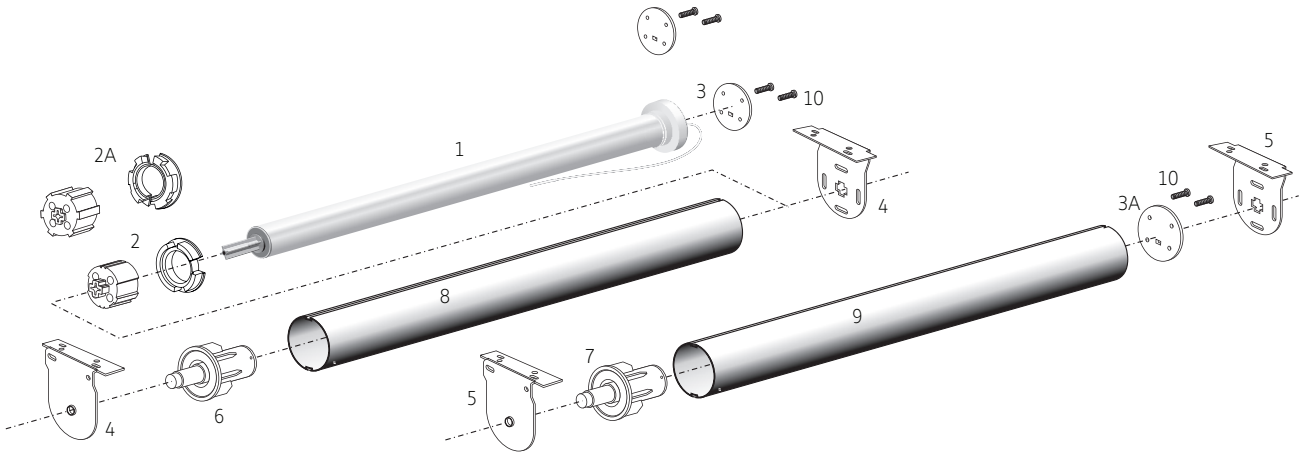

### Product Chart

| Image | Description | Catalog Number |
|---|---|---|
| 1A<br>1B<br>1C<br>1D | SONESSE® 30 ZIGBEE 24V DC<br>SONESSE® 30 RS485 24V DC<br>SONESSE® 30 RTS 24V DC<br>SONESSE® 30 DCT 24V DC | 1241970<br>1241144<br>1241142<br>1241146 |
| 2 | CROWN AND DRIVE (FOR ROLLEASE® 1.5" TUBE & ZMC® 1.5" Z-TUBE) | 9013775 |
| 3 | MOTOR ADAPTOR PLATE FOR ROLLEASE® SKYLINE™ BRACKETS W/SCREWS & ZMC® XL SERIES BRACKET | 9016378 |
| 4 | SKYLINE SERIES BRACKETS 1.5" PROJECTION (ROLLEASE®) (2 REQUIRED) | 9017910 |
| 5 | SKYLINE SERIES HEAVY DUTY IDLER END PLUG (FOR ROLLEASE® 1.5" TUBE) | 9017912 |
| 6 | ROLLEASE® 1.5" TUBE | 9017913 |
| 7 | ZMC® 1.5" Z-TUBE | Contact ZMC® |
| 8 | CORD CLIPS (FOR ROLLEASE® 1.5" TUBE & ZMC® 1.5" Z-TUBE) | 9012200 |
| 9 | TAKE-UP REEL (FOR ROLLEASE® 1.5" TUBE & ZMC® 1.5" Z-TUBE) | 1780786 |
| 10 | M3.5 X 9MM SCREWS | 9014066 |

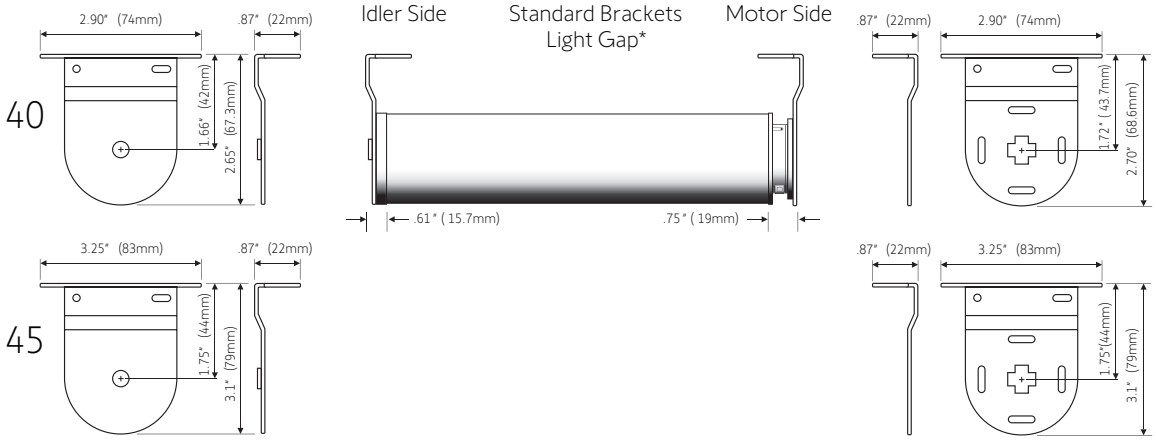
# 30mm Hardware Systems

## Louvolite System 40 and ZMC RS-Series

### Standard Bracket Components




### Dimensions and Light Gap Specifications




*Dimensions for reference only and may differ depending on Mfg. product changes, installation, etc.

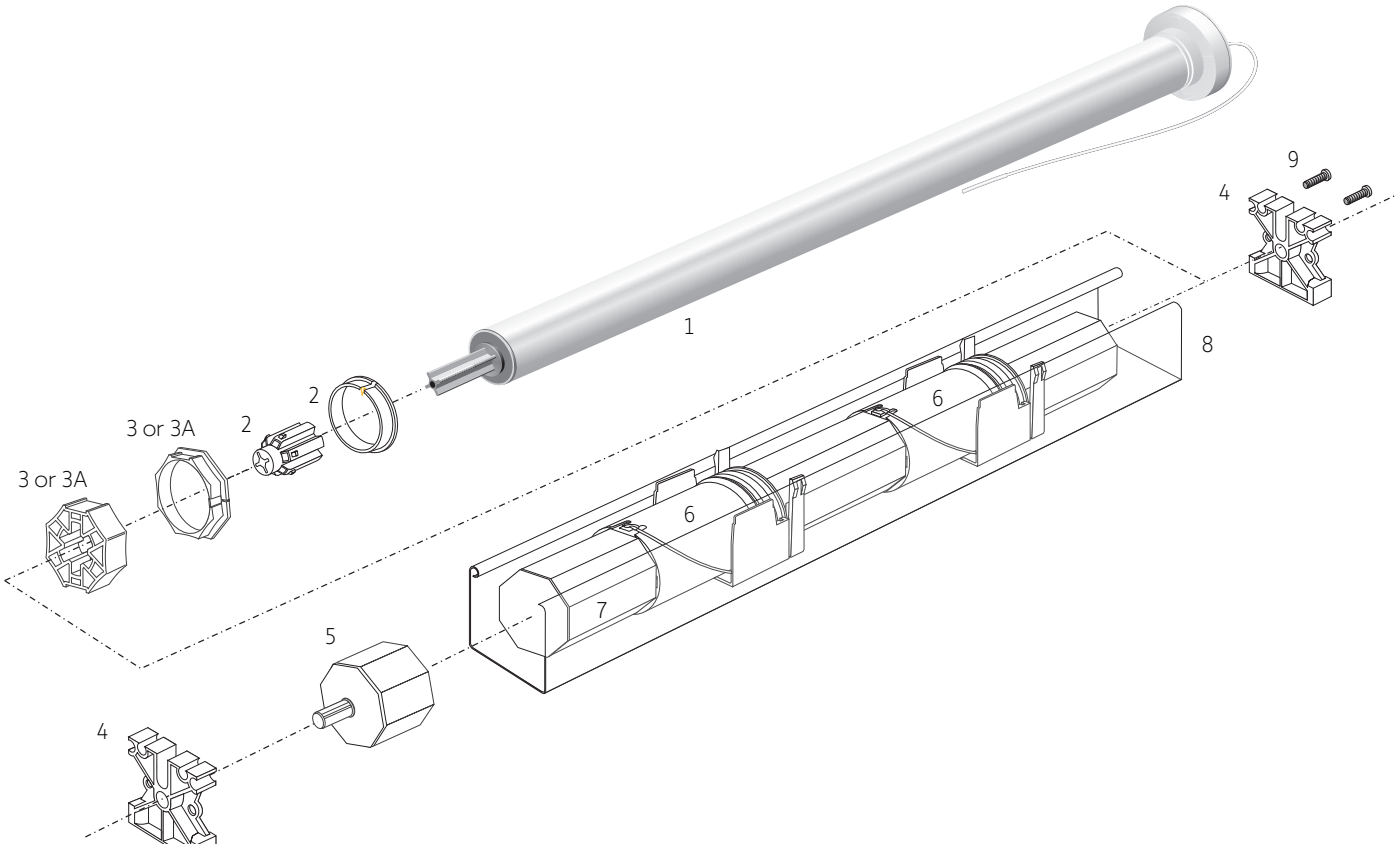
### Product Chart

| Image | Description | Catalog Number |
|---|---|---|
| 1A<br>1B<br>1C<br>1D | SONESSE® 30 ZIGBEE 24V DC<br>SONESSE® 30 RS485 24V DC<br>SONESSE® 30 RTS 24V DC<br>SONESSE® 30 DCT 24V DC | 1241970<br>1241144<br>1241142<br>1241146 |
| 2 | CROWN AND DRIVE (LOUVOLITE 40MM TUBE) WITH ADAPTOR PLATE AND SCREWS | 9020675 |
| 2A | CROWN AND DRIVE (LOUVOLITE 45MM TUBE) WITH ADAPTOR PLATE AND SCREWS | 9025811 |
| 3 | MOTOR & IDLER BRACKET KIT (FOR LOUVOLITE® STYLE SYSTEM 40 & ZMC RS-SERIES) | N/A |
| 4 | MOTOR & IDLER BRACKET KIT (LOUVOLITE SYSTEM 45) | 9015554 |
| 5 | COLLAPSIBLE END PLUG (FOR LOUVOLITE® STYLE SYSTEM 40 & ZMC RS-SERIES) | 9013716 |
| 6 | COLLAPSIBLE END PLUG (LOUVOLITE SYSTEM 45) | 9015555 |
| 7 | LOUVOLITE® STYLE 40MM TUBE & ZMC 1.5" RS-TUBE | Contact ZMC |
| 8 | LOUVOLITE 45MM TUBE | Contact Louvolite |
| 9 | SCREWS M3.5 X 9MM | 9014066 |

# 30mm Hardware Systems

## Somfy CTS 40

### Cord Take-Up System (CTS)



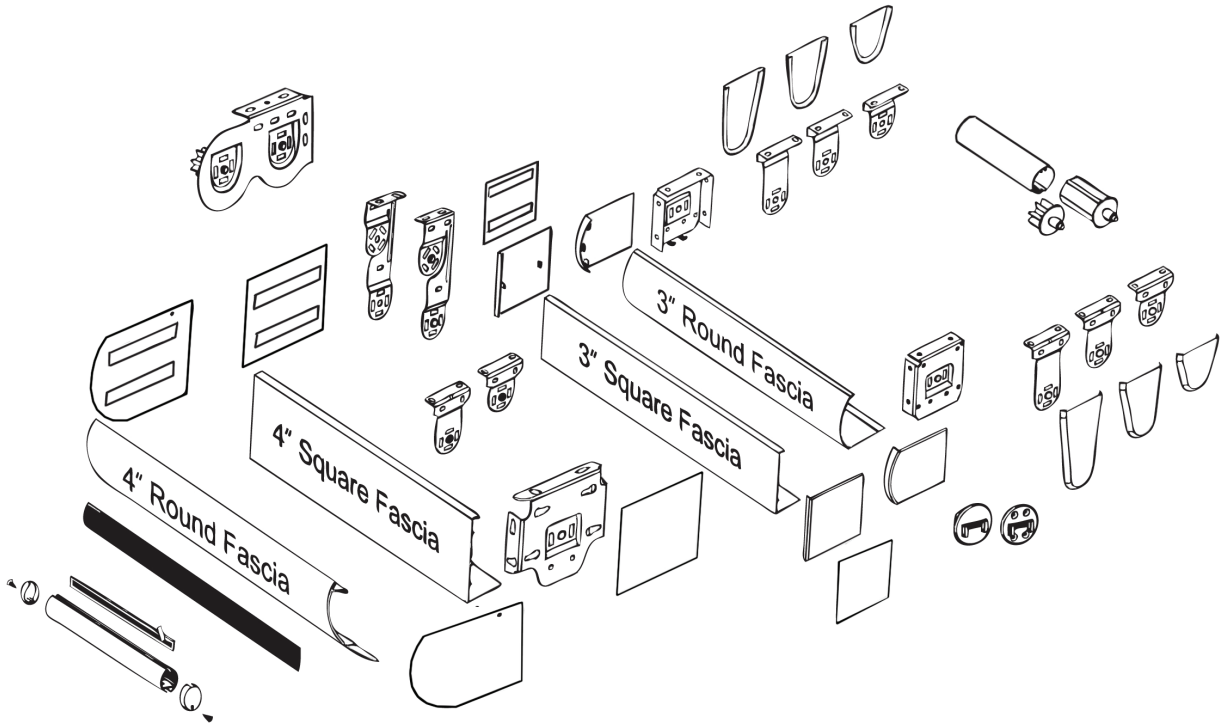

### Product Chart

| Image | Description | Catalog Number |
|---|---|---|
| 1A<br>1B<br>1C<br>1D | SONESSE® 30 ZIGBEE 24V DC<br>SONESSE® 30 RS485 24V DC<br>SONESSE® 30 RTS 24V DC<br>SONESSE® 30 DCT 24V DC | 1241970<br>1241144<br>1241142<br>1241146 |
| 2 | SONESSE® 30 WIREFREE TO LS40 ADAPTOR WITH SCREW & WASHER | 9020676 |
| 3 | CROWN AND DRIVE KIT 40MM OCTAGONAL TUBE | 9012225 |
| 3A | RUBBERIZED CROWN AND DRIVE KIT 40MM OCTAGONAL TUBE | 9016655 |
| 4 | MOTOR/IDLER BRACKET (FOR 57MM X 51MM HEADRAIL) | 9500736 |
| 5 | IDLER END PLUG FOR 40MM OCTAGONAL TUBE | 9012274 |
| 6 | CTS 40 (FOR 57MM X 41MM HEADRAIL) | 1781118 |
| 7 | SOMFY 40MM OCTAGONAL TUBE (20FT. MAX LENGTH) | 1781154 |
| 8 | 57MM X 51MM (2" X 2 1/4") GUTTER RAIL OR SIMILAR | N/A |
| 9 | M3.5 X 9MM SCREWS | 9014066 |

# Bracket, Fascia, and Cassette Solutions

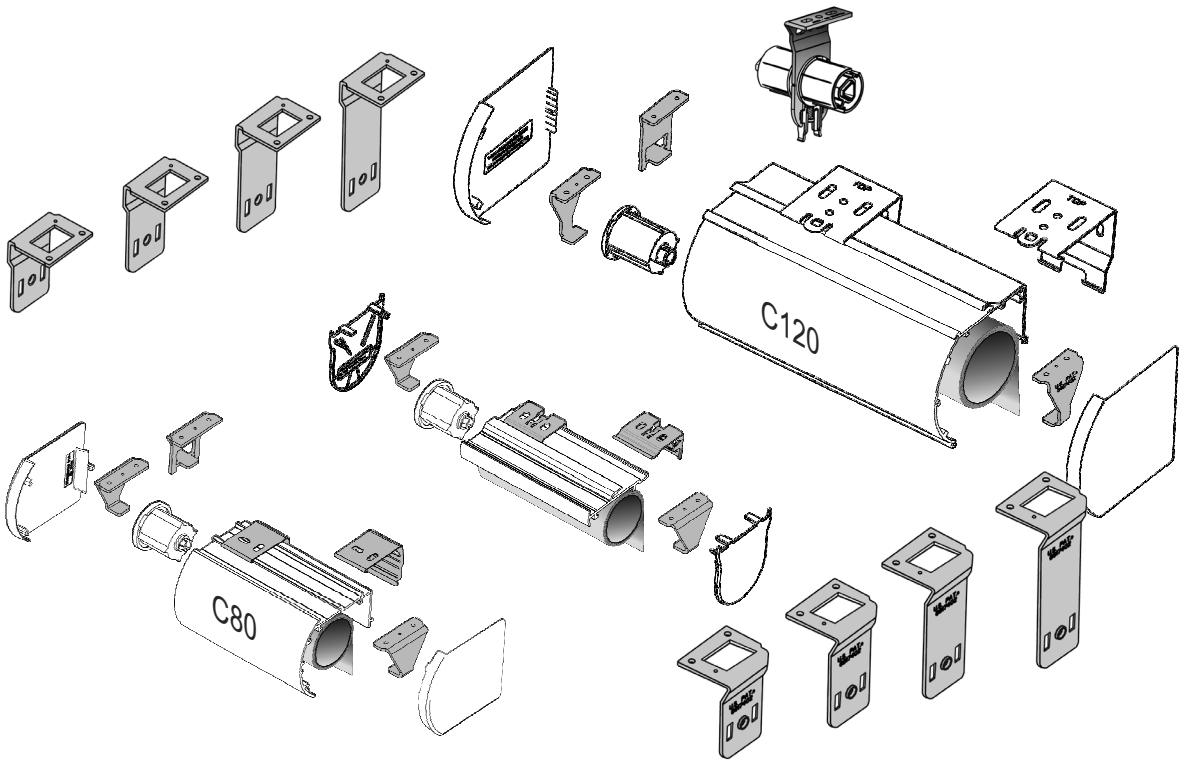
RollEase®

## Skyline™ Bracket and Fascia Accessories




Please Note: for maximum torque limitations please refer to manufacturer's specifications

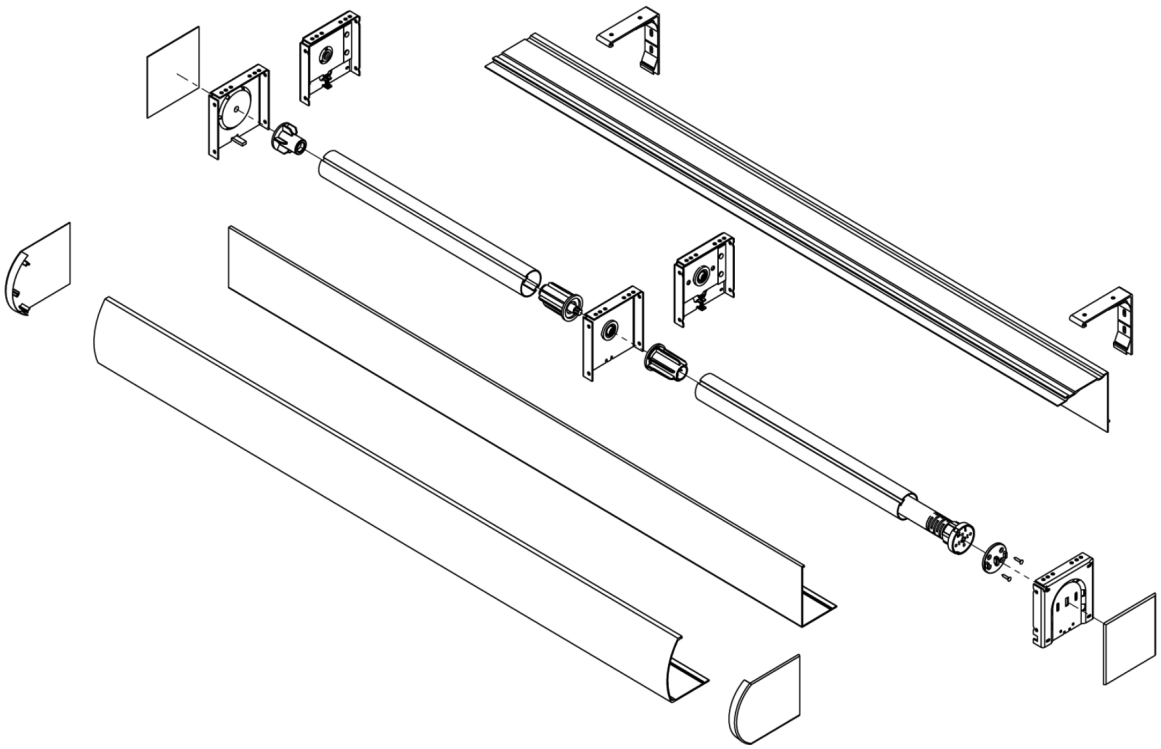
## C80/C120 Cassette Accessories



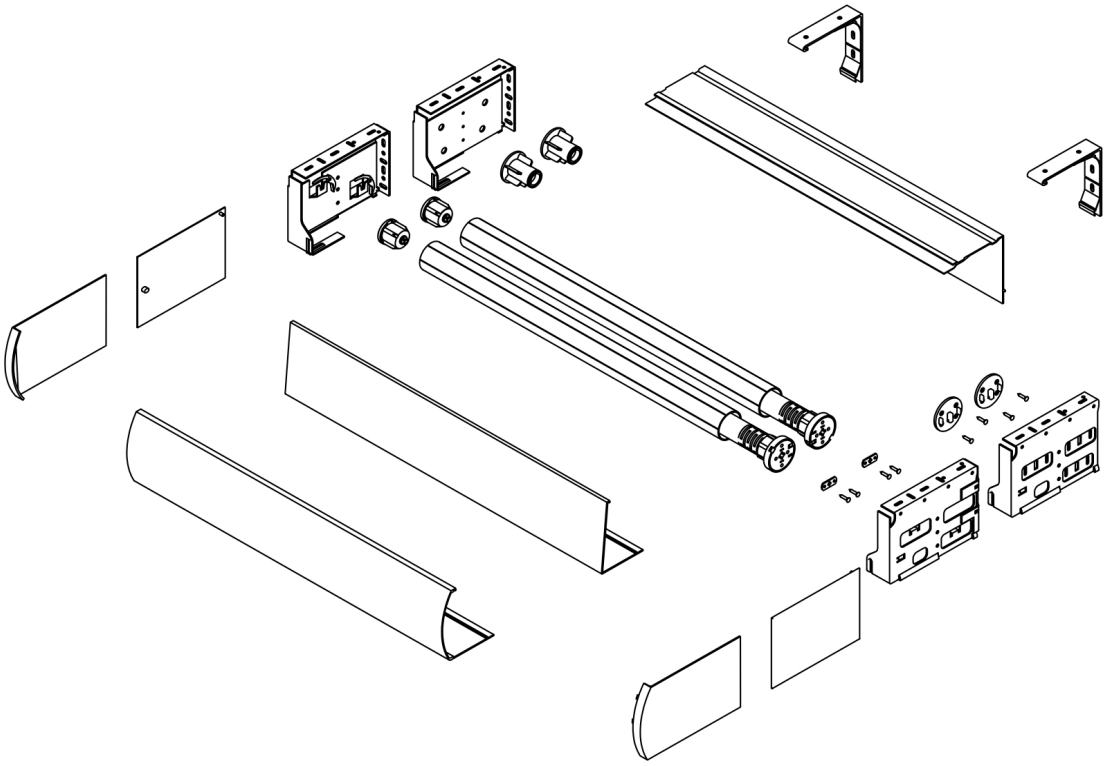
# Bracket, Fascia, and Cassette Solutions

ZMC®

## Intermediate Bracket Solutions

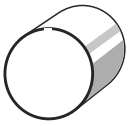
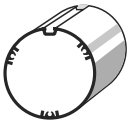


## Duo Shade Fascia Components



# Sonesse® ULTRA 50 DC Mechanical Accessories

## Crowns & Drives

| Tube Profile (not to scale) | Set | Tube Profile (not to scale) | Set |
|---|---|---|---|
|  |  |  |  |
| Ø 2 in. Groove Tube ZMC® | 2'' Groove Tube Ultra Drive *recommended with ultra-quiet<br>#9020964 | Ø 2.5 in. Tube RollEase® | Crown & Drive Adaptor for 2.5'' (63 mm) Tube<br>#9015234 |

## 500 Series End Caps

### Sonesse® ULTRA 50 Universal End Cap with Collapsible Shaft



- 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.)

Somfy DESIGNED FOR SILENCE

Sonesse ULTRA 50 Universal Pin End Cap - 10 mm #9019716
Sonesse ULTRA 50 Universal Pin End Cap - 12 mm #9019717

### ZMC® Short Idler End - 10mm



- 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 with LT50/60 crown and drive sets
- Black nylon
- Maximum motor torque:
  - With awning - 50 Nm
  - With FTS - 25 Nm
- Maximum system load - 88 lbs. (40 kg.)

Somfy DESIGNED FOR SILENCE

#9020959

### Sonesse® ULTRA 50 End Cap with Collapsible Shaft for 2" Tube



- 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.)

Somfy DESIGNED FOR SILENCE

Sonesse 50 Pin End Cap 10 mm - Quiet Accessory for 2'' Tube #9016628
Sonesse 50 Pin End Cap 12 mm - Quiet Accessory for 2'' Tube #9018228

# Sonesse® ULTRA 50 DC Mechanical Accessories

## Crowns & Drives

### LT50 Motor Mounting Screws - Flat Head, Self Tapping Tri-lobe 5 mm Dia. (13 mm deep)



#9670013

LT50 RH Motor Mounting Screws- Flat Head, Self Tapping Tri-lobe 4mm Dia. (9mm Deep)

#100405B

### LT50 Stop Wheel



- Screws into the motor output shaft to prevent drive from coming off shaft
- Black composite stop

#9910004

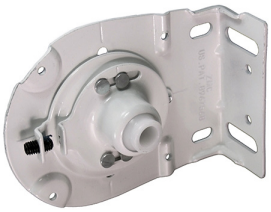
## 500 Series Brackets

### Sonesse® ULTRA 50 DC Motor Bracket with Spring Ring



#9020957

### Sonesse® ULTRA 50 DC Idler Bracket (10 mm ball)



#9020958

### LT50 Universal Motor and Idler Bracket Cover



#9020963

# 40mm Mechanical Accessories

## Brackets & Kits

### 400 Series to 500 Series Adaptor Kit



- Allows the use of 500 Series crowns and drives with 400 Series motors
- Black composite
- Maximum motor torque - 13 Nm

#9013763

### 400 Series "LO" Bracket w/ a Square Stud



- Motor mounting screws included
- 10mm square stud
- Zinc plated steel
- Maximum motor torque 13 Nm

# 9147334

### 400 Series Drive Stop w/ Screw



- Prevents drive disengagement from 400 series motor shaft
- 1 screw included

#9147894

### 400 Series Motor Bracket



- Compatible with RollEase Bracket
- Stainless steel
- Maximum motor torque - 4 Nm

#9012258*
**to be used with M3.5x8MM screw*

### 400 Series to 500 Series Mounting Conversion Bracket



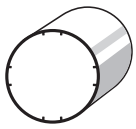
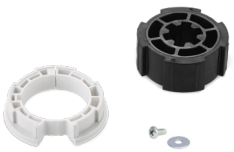
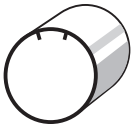
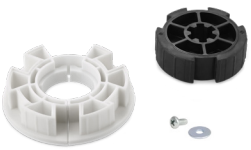
- Composite
- Allows 400 Series motors to be used w/ 500 Series Star Head motor brackets
- Maximum motor torque - 9 Nm
- 2 screws included

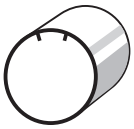
**White:** #9027508 *(works with new interior head motors with recessed plates)*

**Black:** #9500659 *(works with legacy motors old head)*

**Star Head Adaptor:** #9029373 *(works with newer motors)*

## Crowns & Drives

| Tube Profile (not to scale) | Set |
|---|---|
|  Rollease 2" |  Sonesse® 40 Crown & Drive for RollEase 2" Tube #9029184 |
|  Rollease 3.25" |  Sonesse® 40 Crown & Drive for RollEase 3.25" Tube #9029186 |

| Tube Profile (not to scale) | Set |
|---|---|
|  Rollease 2.5" |  Sonesse® 40 Crown & Drive for RollEase 2.5" Tube #9029185 |

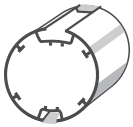
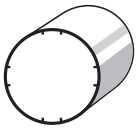
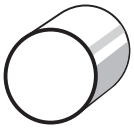
# 40mm Mechanical Accessories

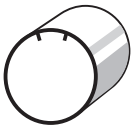
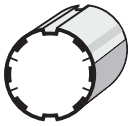
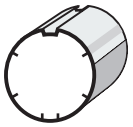
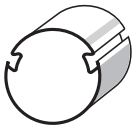
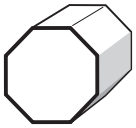
## Sonesse® Motor Plates & Head Covers

| Item # | Description | Photo | Compatible with |
|---|---|---|---|
| 9025996 | RollEase 360 R3-R8 10mm x 1.8mm Pin Diameter 6.8mm and Screws |  | AC Zigbee<br>PoE<br>AC RS485 |
| 9026001 | Rollease 360 R3-R8 10mm x 1.8mm Pin Diameter 7mm and Screws |  | AC Zigbee<br>PoE<br>AC RS485 |
| 9025999 | Acmeda 12mm and Screws |  | AC Zigbee<br>PoE<br>AC RS485 |
| 9026003 | RollEase SkyLine and Screws |  | AC Zigbee<br>PoE<br>AC RS485 |
| 9026093 | M3 x 6mm Philips Flat-Head Plastite (Screw) |  | AC Zigbee<br>PoE<br>AC RS485 |
| 9025997 | Rollease 580 R16-24 15.9mm x 1.8mm & Screws |  | AC Zigbee<br>PoE<br>AC RS485 |
| 9026000 | Rollease RBGAL 16x3.2mm & Screws |  | AC Zigbee<br>PoE<br>AC RS485 |
| 9027132<br>9027133<br>9027134 | Motor Head Cover, White (Supplied with Motor)<br>Motor Head Cover, Grey<br>Motor Head Cover, Black |  | PoE |
| 9026090<br>9026091<br>9026092 | Motor Head Cover, White (Supplied with Motor)<br>Motor Head Cover, Grey<br>Motor Head Cover, Black |  | RS485 |

# 30mm Mechanical Accessories

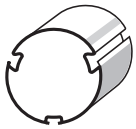
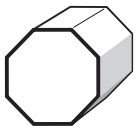
## Crowns & Drives

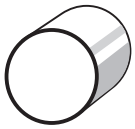
| Tube Profile (not to scale) | Set |
|---|---|
| Compatible with all 400 series crowns and drives. | <br>Sonesse® 30 to 400 Series Adaptor Kit (adapts Sonesse® 30 WireFree to all 400 Series crowns and drives)<br>#9020676 |
| <br>ø 1.625 in. / 41.28mm Louvolite® System 40 | <br>Sonesse® 30 Crown and Drive (for Louvolite 40mm tube)<br>#9020675 |
| <br>HD ø 37mm | <br>Sonesse® 30 Crown and Drive (for HD 37mm tube)<br>#9020699 |
| <br>2" Profiled Tube | <br>Crown & Drive for RollEase/ZMC 2" Profiled Tube<br>#9021017 |
| <br>ø 1.5 in. / 40mm Round | <br>400 Series Crown and Drive Set* (for Somfy 40mm x 1.5" round tube)<br>#9012224<br>NOTE: Must be used with 9020676 |

| Tube Profile (not to scale) | Set |
|---|---|
| <br>Rollease 1.5" | <br>Crown and Drive Set for RollEase® 1.5"/38mm Tube<br>#9020674 |
| <br>Acmeda 45 HVY DTY | <br>Acmeda 45 Heavy Duty Crown and Drive<br>#9021036 |
| <br>Acmeda 45 | <br>Acmeda 45 Crown and Drive<br>#9021018 |
| <br>Silouette® Hunter Douglas | <br>Crown & Drive Set Adaptor for Hunter Douglas 4" Silhouette<br>#9016953<br>NOTE: Must be used with 9020676 |
| <br>40mm Octagonal Tube | <br>400 Series Crown and Drive Set (40mm X 0.8mm octagonal tube)<br>#9012225<br>NOTE: Must be used with 9020676 |

# 30mm Mechanical Accessories

## Crowns & Drives

| Tube Profile (not to scale) | Set |
|---|---|
|  Louvolite® 45mm |  Louvolite 45mm Crown & Drive #9025811 |
|  40mm Octagonal Tube |  400 Series Crown and Rubberized Drive for 40mm octagonal tube #9016655 NOTE: Must be used with 9020676 |

| Tube Profile (not to scale) | Set |
|---|---|
|  ø 1.5 in. / 40mm Round |  400 Series Crown and Rubberized Drive (Somfy 40mm X 1.5mm round tube) #9016654 NOTE: Must be used with 9020676 |

## Sonesse® Motor Plates & Head Covers

| Item # | Description | Photo | Compatible with |
|---|---|---|---|
| 9025996 | RollEase 360 R3-R8 10mm x 1.8mm Pin Diameter 6.8mm and Screws |  | Zigbee 24V DC<br>PoE<br>RS485 24V DC<br>RTS 24V DC<br>DCT 24V DC |
| 9026001 | Rollease 360 R3-R8 10mm x 1.8mm Pin Diameter 7mm and Screws |  | Zigbee 24V DC<br>PoE<br>RS485 24V DC<br>RTS 24V DC<br>DCT 24V DC |
| 9025999 | Acmeda 12mm and Screws |  | Zigbee 24V DC<br>PoE<br>RS485 24V DC<br>RTS 24V DC<br>DCT 24V DC |
| 9026003 | RollEase SkyLine and Screws |  | Zigbee 24V DC<br>PoE<br>RS485 24V DC<br>RTS 24V DC<br>DCT 24V DC |
| 9026093 | M3 x 6mm Philips Flat-Head Plastite (Screw) |  | Zigbee 24V DC<br>PoE<br>RS485 24V DC<br>RTS 24V DC<br>DCT 24V DC |
| 9027132<br>9027133<br>9027134 | Motor Head Cover, White (Supplied with Motor)<br>Motor Head Cover, Grey<br>Motor Head Cover, Black |  | Zigbee 24V DC<br>PoE<br>RS485 24V DC<br>RTS 24V DC<br>DCT 24V DC |

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somfy®

Make the move

**About Somfy®**

For over 50 years, Somfy has been pioneering innovative motorization and automated solutions for window coverings and exterior shading products. With comfort, ease of use, security, and sustainability in mind, our seamless and connected solutions are designed to help people make the move to living spaces impactful for humans and with a reduced impact on nature.

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