

Conveniently WireFree

This document is a presentation of the motors, accessories, and specifications related to the wirefree motor range. It provides the technical information needed to order, fabricate, and sell battery-powered motors.

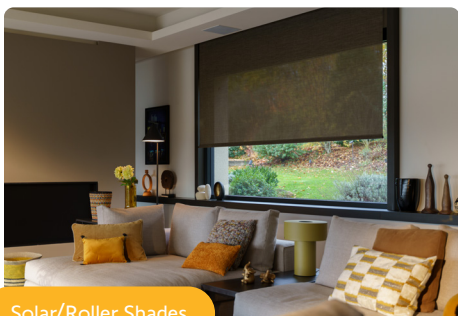
Somfy offers an innovative and simple line of completely battery-powered wirefree motors. These motors install in minutes and provide a perfect solution for hard-to-reach window coverings and offer solutions in areas where access to wiring may be a challenge. This allows users to create the best living environment with optimal natural light levels at the press of a button without the need for an electrician. The wirefree motors can be controlled using hand-held remotes, an app on a smart device, the sound of your voice, wireless wall switches, table top controls, sensors, timers, and third-party automation systems.



Zigbee®: A comfort-driven ecosystem of smart shading products featuring real-time, bi-directional communication.



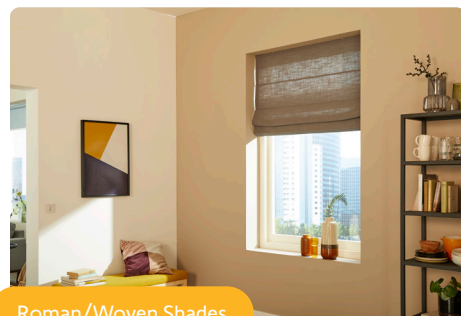
Radio Technology Somfy® (RTS): wireless radio control of motorized window coverings via the RTS family of controls.



Solar/Roller Shades



Sheer Horizontal Shades



Roman/Woven Shades



Pleated/Cellular Shades



Horizontal Blinds



Layered Shades

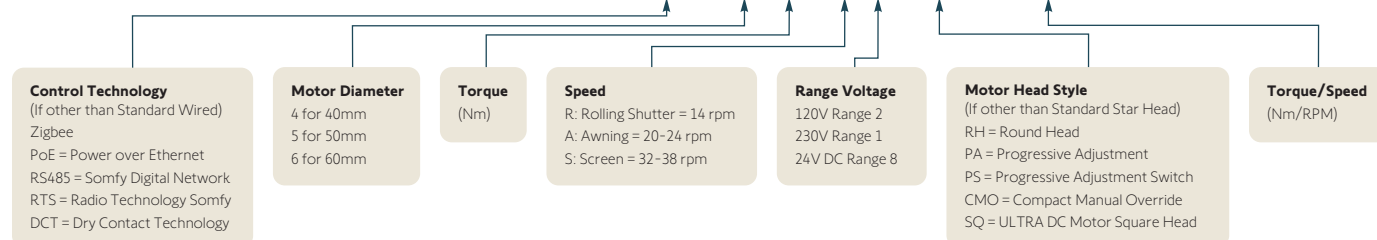


As with all Somfy products, the WireFree motors are backed by a 5 year warranty.

Somfy's Low-voltage Motor Range

Motor Identification Key

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



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



Somfy
DESIGNED FOR
SILENCE



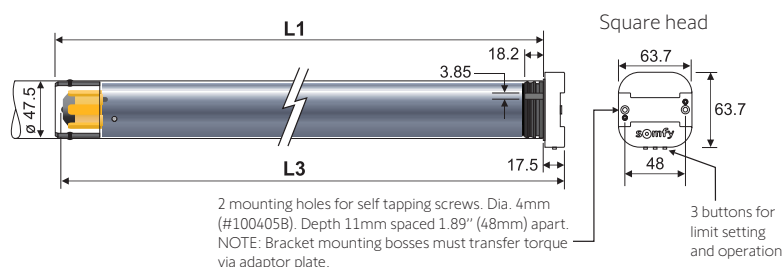
Technical Features

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.

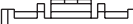
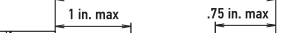
Fabrication recommendations:

- 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.

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

Sonesse® ULTRA 50 24V DC RTS Square Head Motor

Item #: 1134023



Somfy
DESIGNED FOR
SILENCE

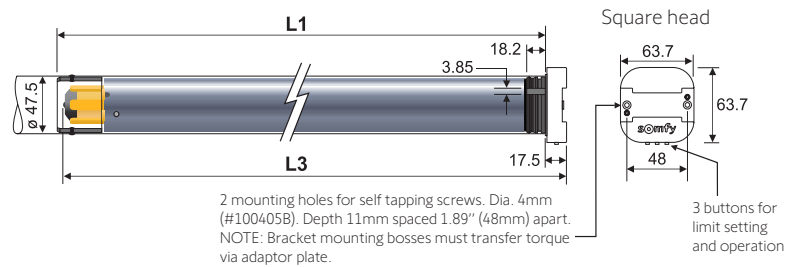


Technical Features

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

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:

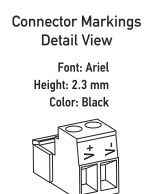
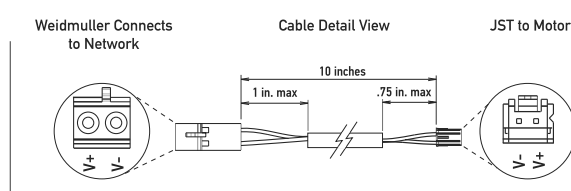
According to standards ISO 3741 NF 31022 in dBA ref 1pW at nominal torque without end product.

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

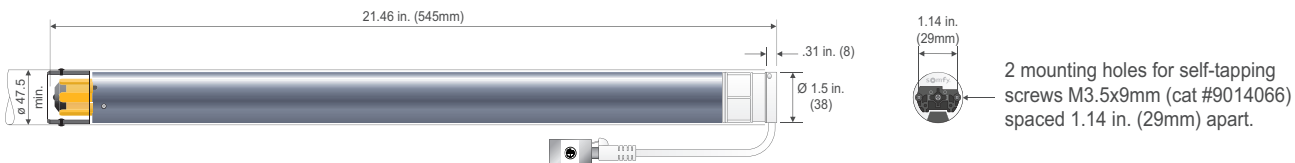
Item #: 1241426 Sonesse 40 PoE at 2/25 Type 2 (30W)
 Item #: 1241427 Sonesse 40 PoE bt 4/25 Type 3 (45W)
 Item #: 1241428 Sonesse 40 PoE bt 6/25 Type 3 (60W)



Technical Features

Voltage Supply & Tolerance	48V DC (42.5V DC – 57V DC)	Temperature Working Range	From 32°F to 140°F (0°C to 60°C)
Thermal run time	5 minutes	Insulation Class	Class III
Repeatability	+/- 5°	Max Distance from Power Source	328 ft. (100m)
Index Protection Rating	IP30 (interior use only)		
Limit Switch Unit	Electronic		

Dimensions



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.

Soness® 30 Zigbee 24V DC

Item #: 1241970



Somfy
DESIGNED FOR
SILENCE



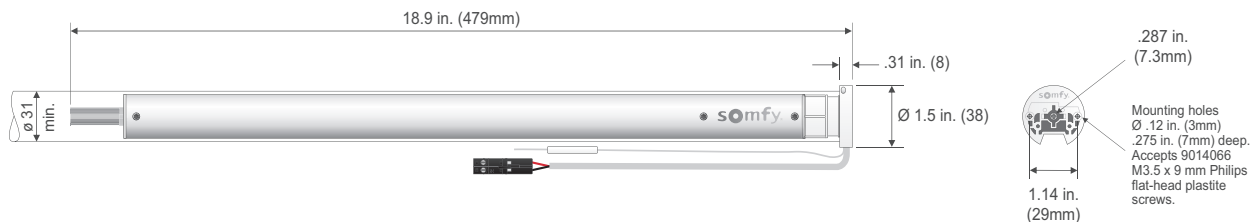
Technical Features

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	Soness 30 Motor Plate Rollease 360 R3-R8 10 x 1.8mm and screws	
9025999	Soness 30 Motor Plate Acmeda 12mm and screws	
9026003	Soness 30 Motor Plate Rollease Skyline and screws	
9026093	Soness 30 Motor Plate 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



Roll Up 30 Short Zigbee 24V DC

COMING SOON

Item #: 1246900



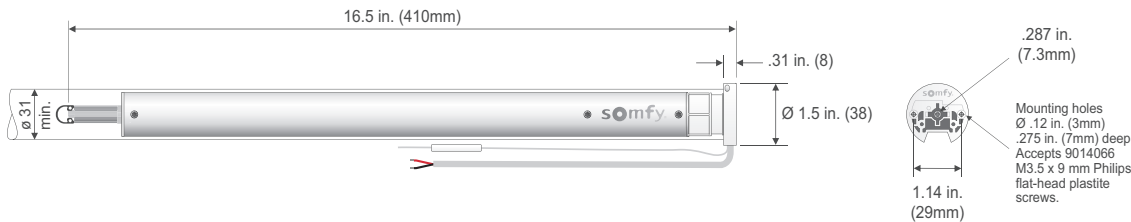
Technical Features

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 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

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



Optional Head Covers



Sonesse® 30 PoE

Item #: 1241147



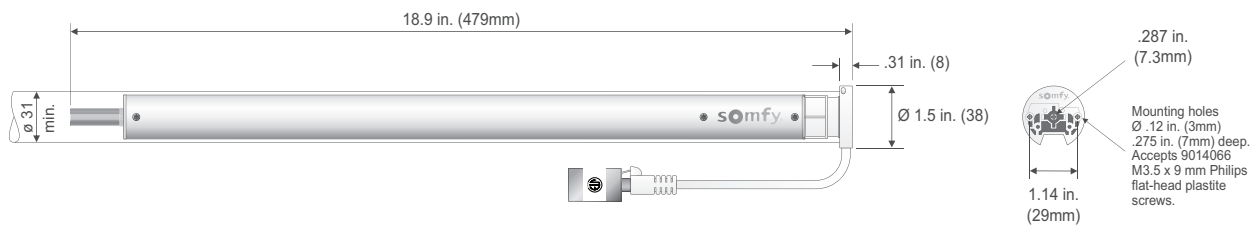
Somfy
DESIGNED FOR
SILENCE



Technical Features

Voltage Supply & Tolerance	48V DC (42.5V DC – 57V DC)	Index Protection Rating	IP30 (interior use only)
Power Supply Type	PoE switch IEEE 802.3 at Type2 (30W)	Limit Switch Unit	Electronic , encoder based
Thermal Protection	5 minutes	Temperature Working Range	From 32°F to 140°F (0°C to 60°C)
Repeatability	+/- 5°	Insulation Class	Class III
Cable	CAT-5e SF/UTP (Shielded and Foiled with Unshielded Twisted Pair) – RJ45 7.5 in. (19cm) pigtail		

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.

Cables

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



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	

Optional Head Covers



Optional Grey
#9027133



Optional Black
#9027134



White (supplied with motor)
#9027132

Roll Up 30 Short PoE 48V DC

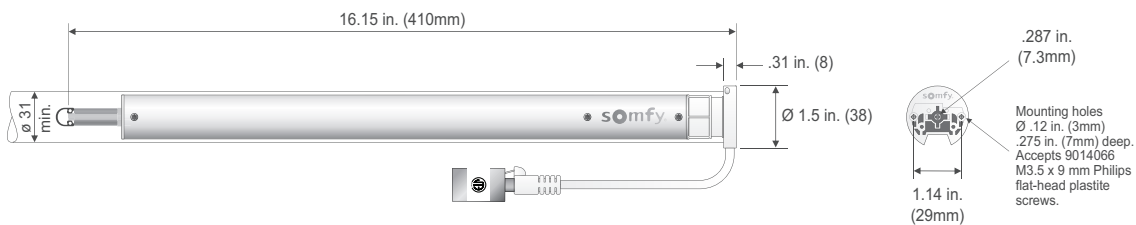
Item #: 1246903



Technical Features

Voltage Supply	48V DC	Index Protection Rating	IP30
Power Supply Type	PoE switch IEEE 802.3 at Type2 (30W)	Limit Switch Unit	Electronic , encoder based
Thermal Protection	5 minutes	Temperature Working Range	From 32°F to 140°F (0°C to 60°C)
Repeatability	+/- 5°	Insulation Class	Class III
Cable	CAT-5e SF/UTP (Shielded and Foiled with Unshielded Twisted Pair) — RJ45 7.5 in. (19cm) pigtail		

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.

Cables

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



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	

Optional Head Covers



Optional Grey
#9027133



Optional Black
#9027134



White (supplied with motor)
#9027132

Sonesse® 30 RS485 24V DC

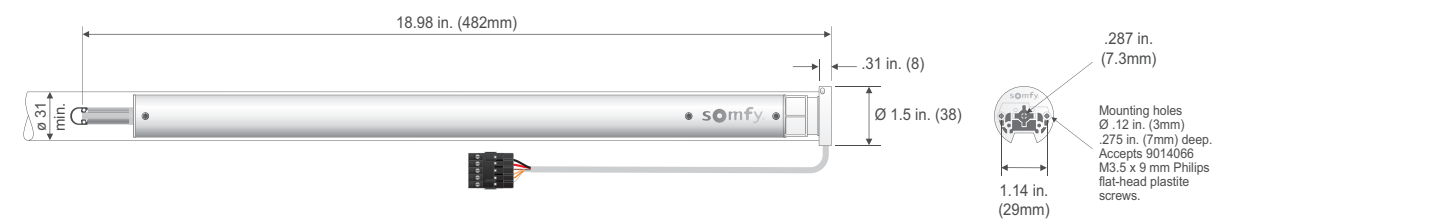
Item #: 1241144



Technical Features

Nominal Voltage	24V DC	Default Speed	25 rpm
Rated Current	.725 A	Speed Range	10 to 28 rpm (speed regulated and adjustable)
Standby Power	.2 W	Control	RS485
Torque	2 Nm		

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)*



Cables

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



- *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	

Optional Head Covers



Roll Up 30 Short RS485 24V DC

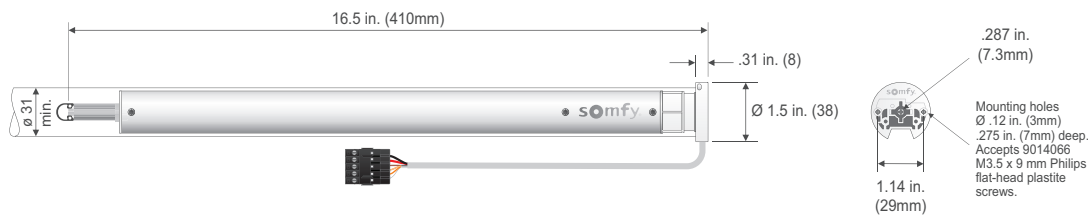
Item #: 1246901



Technical Features

Nominal Voltage	24V DC	Default Speed	25 rpm
Rated Current	.725 A	Speed Range	10 to 28 rpm (speed regulated and adjustable)
Standby Power	.2 W	Control	RS485
Torque	2 Nm		

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 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

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



Optional Head Covers



Sonesse® 30 RTS 24V DC

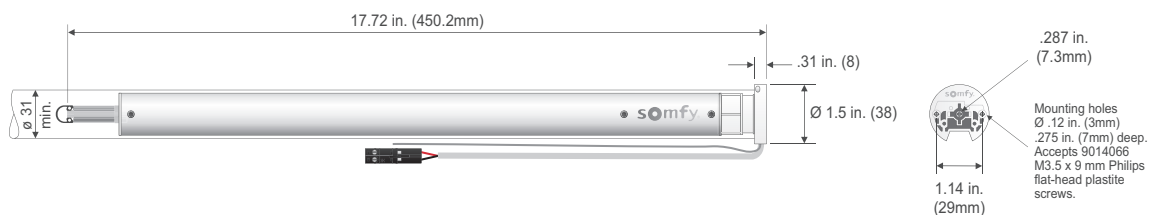
Item #:1241142



Technical Features

Voltage Supply	24V DC	Temperature Working Range	32°F to 140°F (0°C to 60°C)
Index Protection Rating (interior use only)	IP 30	Insulation Class	Class III
Limit Switch Type	Electronic	Antenna	7.5 in. (19cm) wire length, must not be cut or lengthened. For greatest RF range, antenna must be exposed.
Limit Switch Capacity	150 turns (limited to 6 minutes of rotation without stop)		

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 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	

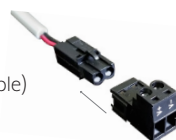
Optional Head Covers



Type of power cable

24V DC Power Cable

AWG24 – 1 Cable: 2 wire
(9.8 in. Weidmüller pigtail non-removable)



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



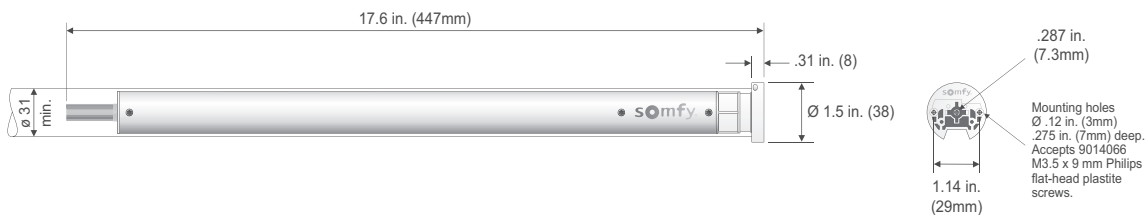
Somfy
DESIGNED FOR
SILENCE

DRY CONTACT

Technical Features

Nominal Voltage	24V DC	Default Speed	25 rpm
Rated Current	.700 A	Speed Range	6 to 28 rpm (speed regulated and adjustable)
Standby Power	.2 W	Control	Dry Contact
Torque	2 Nm		

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)*



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)



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

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

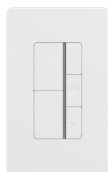
Smart Plug



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

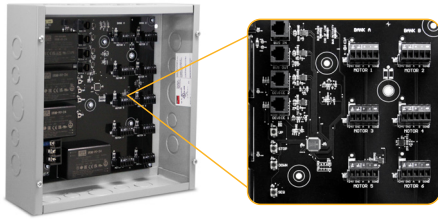


Controls

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

WireFree 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



Ysia®



Ysia® 1 Zigbee
1871153



Ysia® 5 Zigbee
1871154

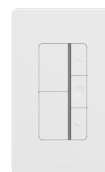


Ysia® 5 Variation Zigbee
1871281



Ysia® 5 TDBU Zigbee
1871394

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

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 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

NOTE: for additional information regarding Zigbee® or RTS controls, contact Somfy Systems, Inc.

WireFree Controls

Radio Technology Somfy® (RTS)



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.

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
181361



Smoove® 4 RTS Pure II
181381

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



Pure



Silver Matte



Black

Dry Contact

DRY CONTACT

TaHoma®

16 Channel RTS Interface

RTS Dry Contact Interface



TaHoma® switch
1871037
TaHoma® switch
(with ethernet adaptor)
1871038



TaHoma® switch
Ethernet Adaptor
9028054



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



RTS Dry Contact Interface
Single Channel
1810493

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

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								
											
<table><tr><td># of Motors</td><td>1 Motor</td></tr><tr><td>Dimensions</td><td>3.5" x 2.3" x 1.3"</td></tr><tr><td>Nominal Load</td><td>24V DC 1.67A</td></tr><tr><td>Part #</td><td>1822209</td></tr></table>	# of Motors	1 Motor	Dimensions	3.5" x 2.3" x 1.3"	Nominal Load	24V DC 1.67A	Part #	1822209	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
# 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. 											

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

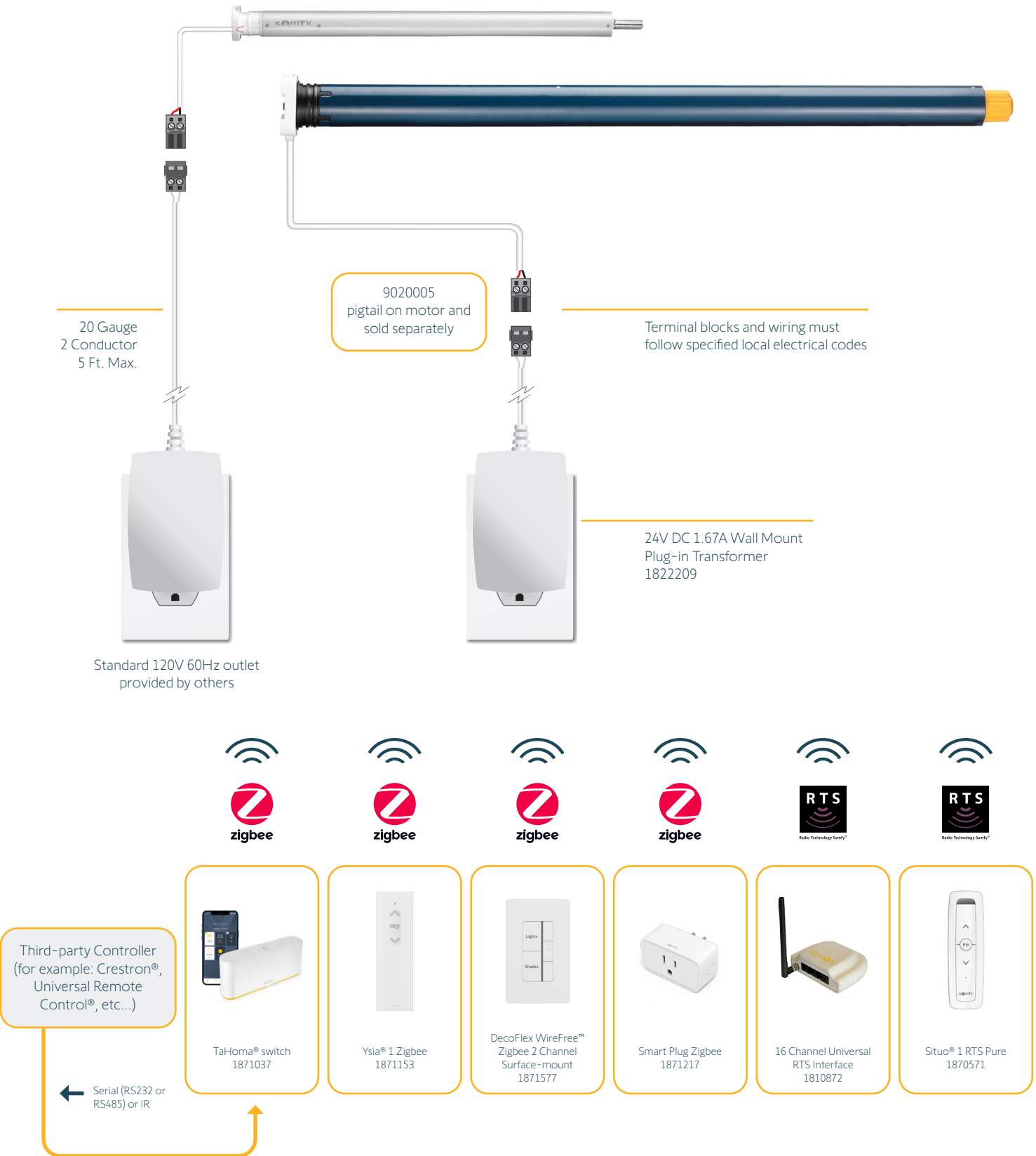


Kit includes:

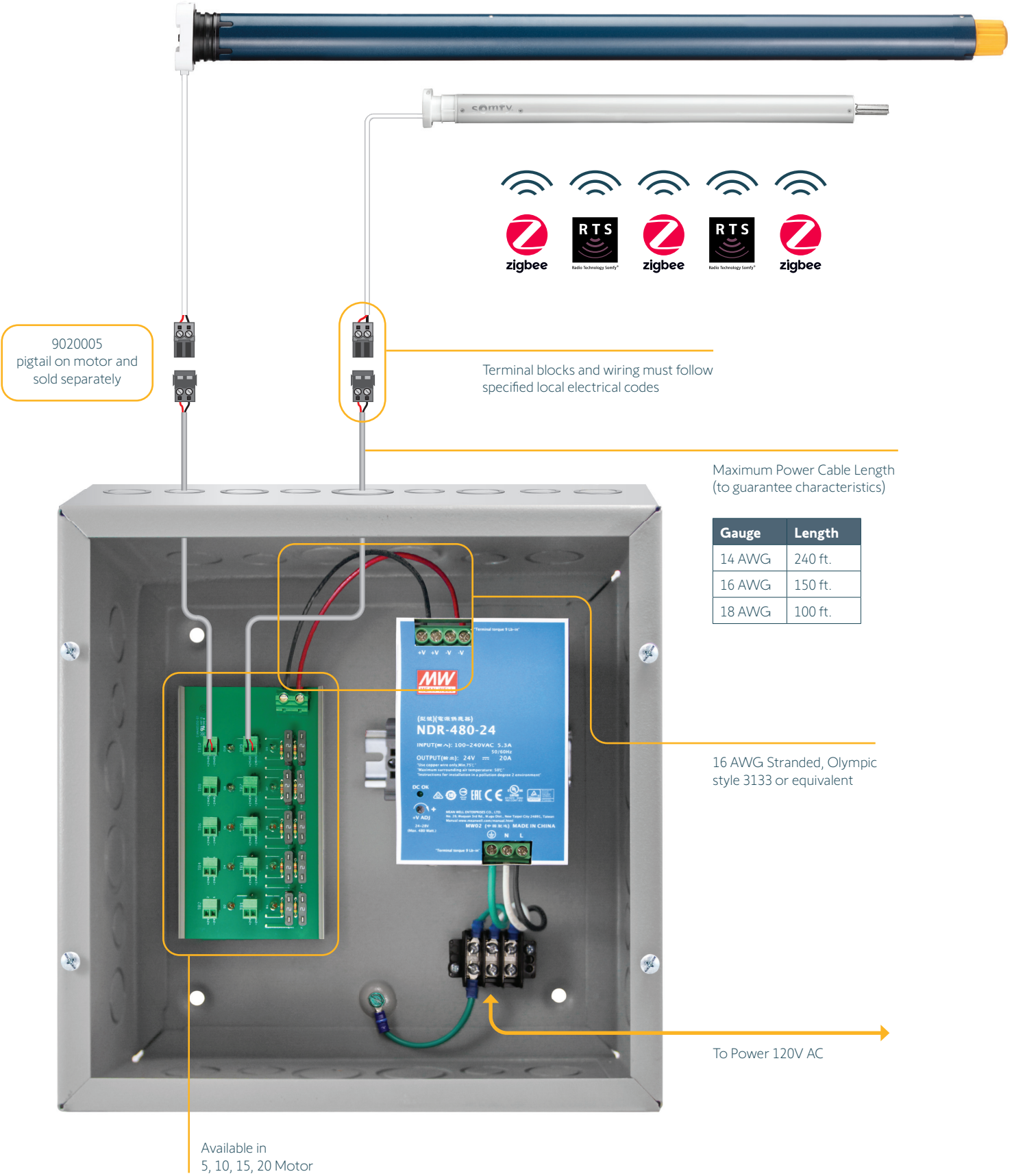
- 2 - 10 Motor Distribution Panel
- 2 - 24V DC 20 Amp Power Supply
- 1 - 18 in. x 18 in. x 6.25 in. Enclosure



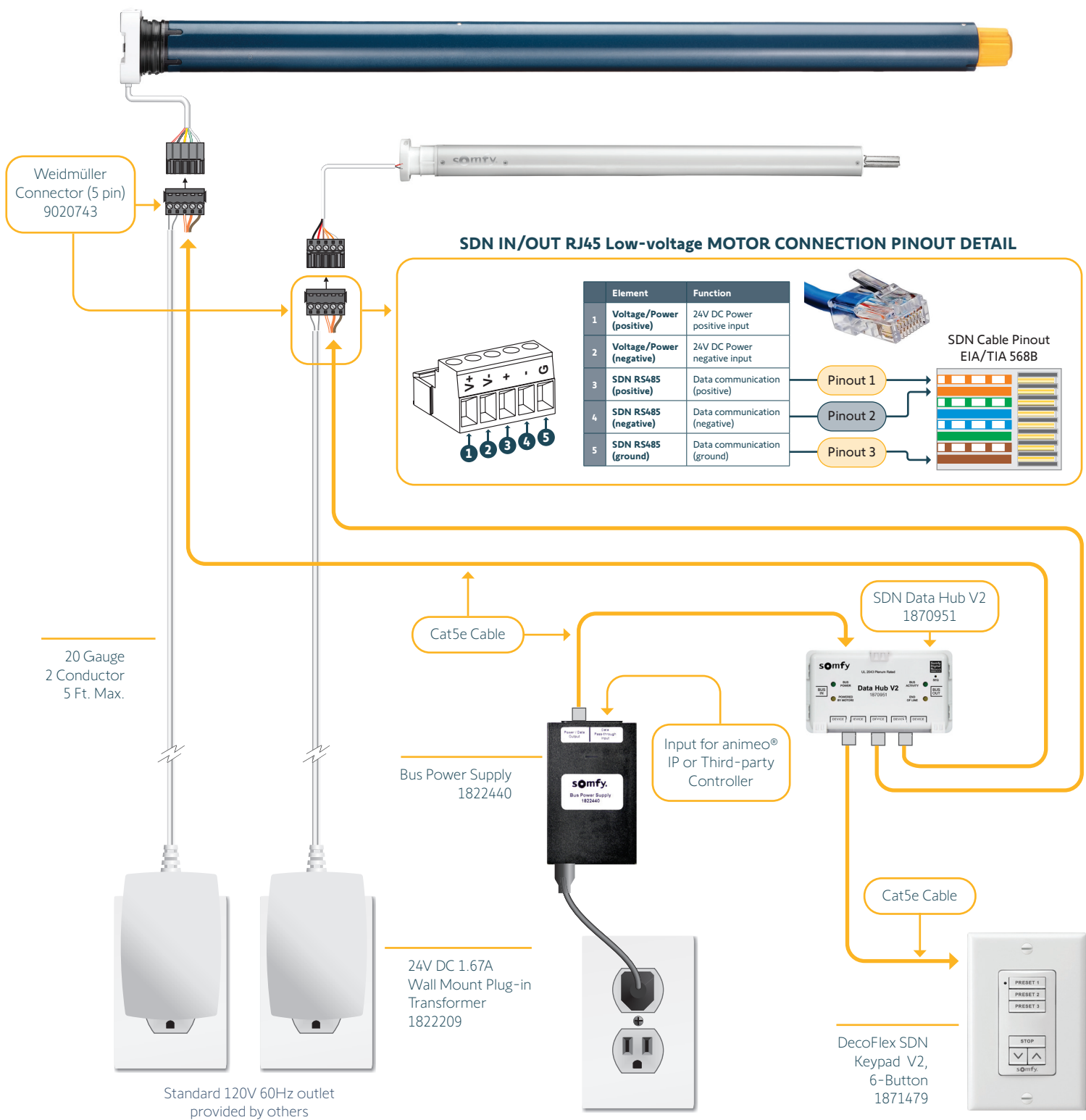
Low-voltage Zigbee & RTS Control & Plug-in Style Power



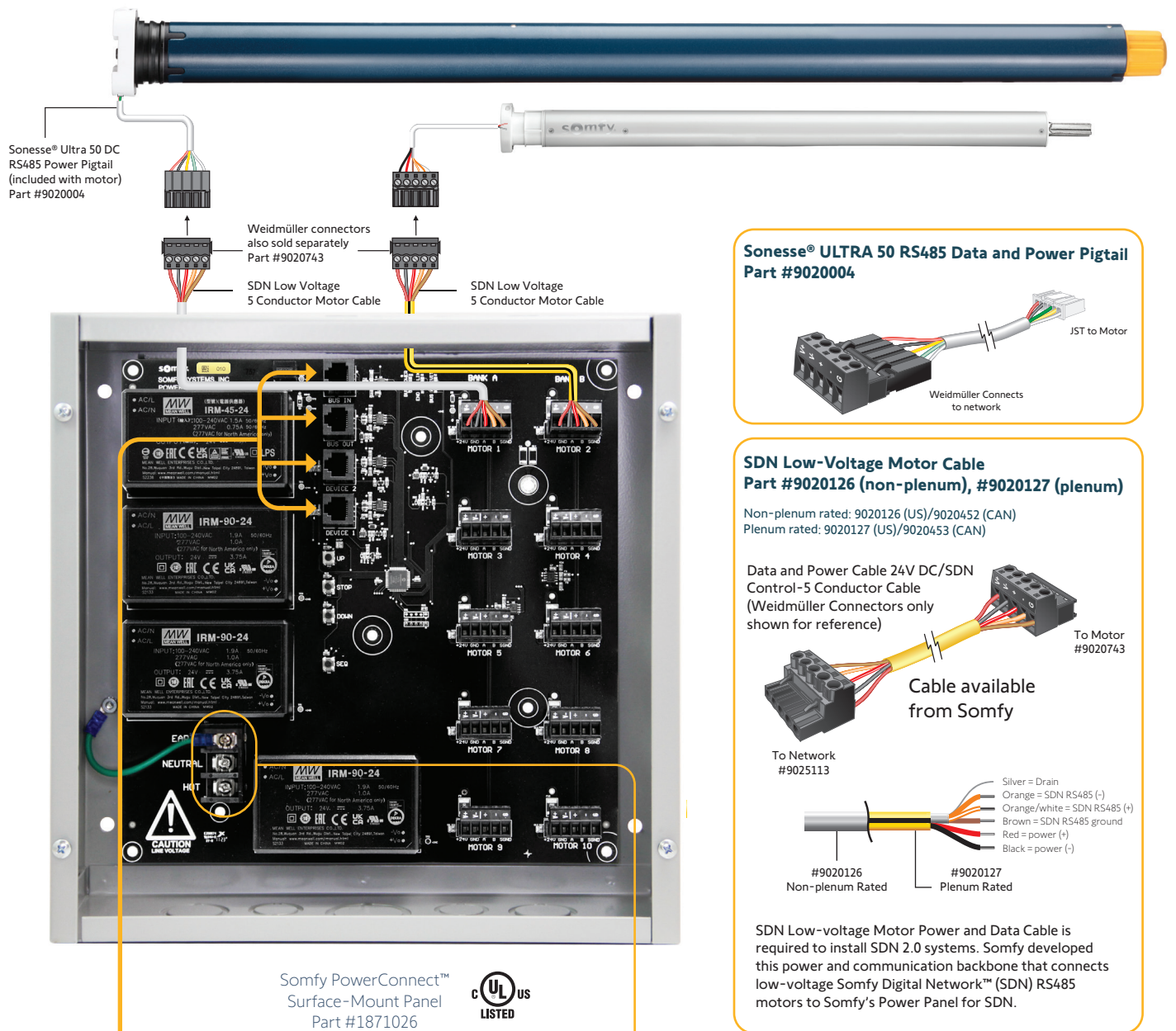
Low-voltage Zigbee & RTS Control & Power Distribution



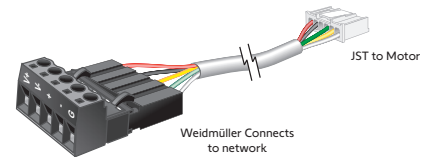
Low-voltage RS485 Control & Plug-in Style Power



Low-voltage RS485 Control & Power Distribution



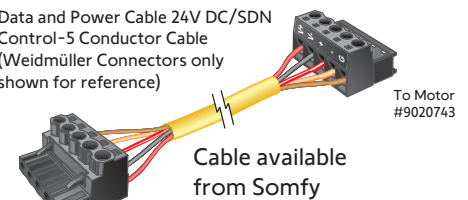
Sonesse® ULTRA 50 RS485 Data and Power Pigtail Part #9020004



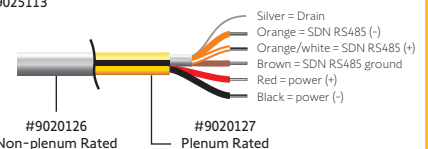
SDN Low-Voltage Motor Cable Part #9020126 (non-plenum), #9020127 (plenum)

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)

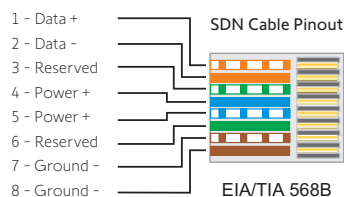


To Network
#9025113



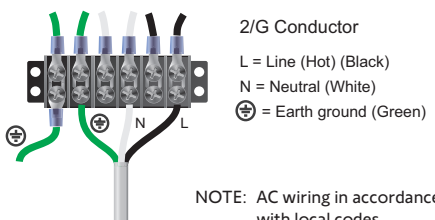
SDN Low-voltage Motor Power and Data Cable is required to install SDN 2.0 systems. Somfy developed this power and communication backbone that connects low-voltage Somfy Digital Network™ (SDN) RS485 motors to Somfy's Power Panel for SDN.

SDN IN/OUT RJ45 CONNECTION



NOTE: All power panels require bus power

120V AC POWER INPUT



NOTE: AC wiring in accordance with local codes

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

