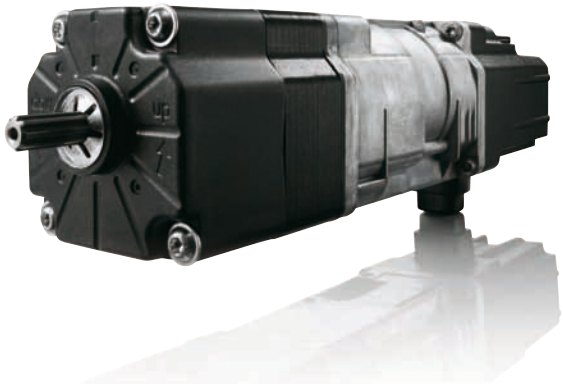
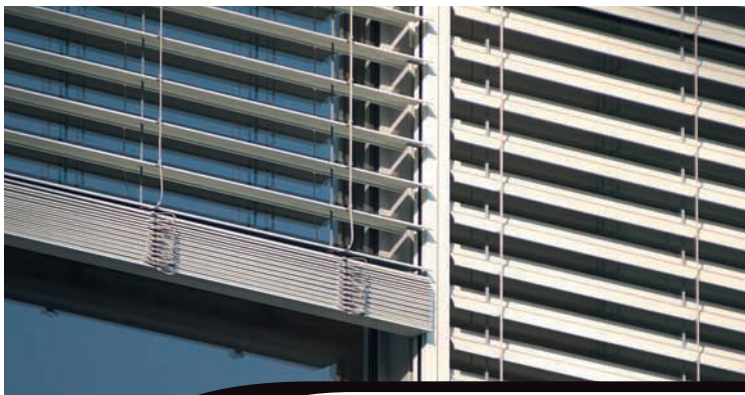








EVB Reference Book 2014

SOMFY MOTORS & CONTROLS FOR EXTERNAL VENETIAN BLINDS

HOME MOTION by somfy®

Summary

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EXTERNAL VENETIAN BLIND KNOWLEDGE

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Communication tools p.58
Contact p.59

Welcome to the world of EVB

The External Venetian Blind is a product very trendy and popular for architects, who like its functional and architectural qualities.

In residential also, consumers are more and more interested in this product which provide visual & thermal comfort for users. That's why today, EVBs are present in house builder's catalogues.

Thanks to the new thermal regulations, the EVB sales in residential as in commercial buildings are booming!

Somfy doesn't only offer motorization for External Venetian Blind, but also a wide range of solutions for home motion, that you will discover in this catalogue...



EXTERNAL VENETIAN BLIND: THE NEW TREND

From
Commercial Building Solutions...









To
Residential Market!











Glossary

Select your market:


Residential


Commercial Building

Select your technology:



Wired Technology



Radio Technology RTS



io-homecontrol Technology

Select your end limits settings:



Up end limit through the mushroom



Up end limit through the push buttons on the motor



Up end limit through the setting tool



Up end limit through an RTS control



Up end limit through an io control



Down end limit preset on factory



Down end limit through the push button on the motor



Down end limit through the setting tool



Down end limit through an RTS control



Down end limit through an io control

Fonctions:



Compatibility with type 1 EVB



Compatibility with type 2 EVB

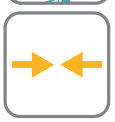


Compatibility with type 3 EVB



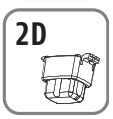
5 years warranty


u or n headrail mounting


Fast connection



IP 54 protection



2D removable mushroom (for protection in case of false / inversed installation)



RTS functions



my function


Compatible with Telis Mod/Var RTS remote (adding a Soliris Mod/Var Slim receiver RTS)



io functions


Feedback function


Whatever the position of the blind, possibility to adjust the tilting position

PART 1

External Venetian Blind knowledge

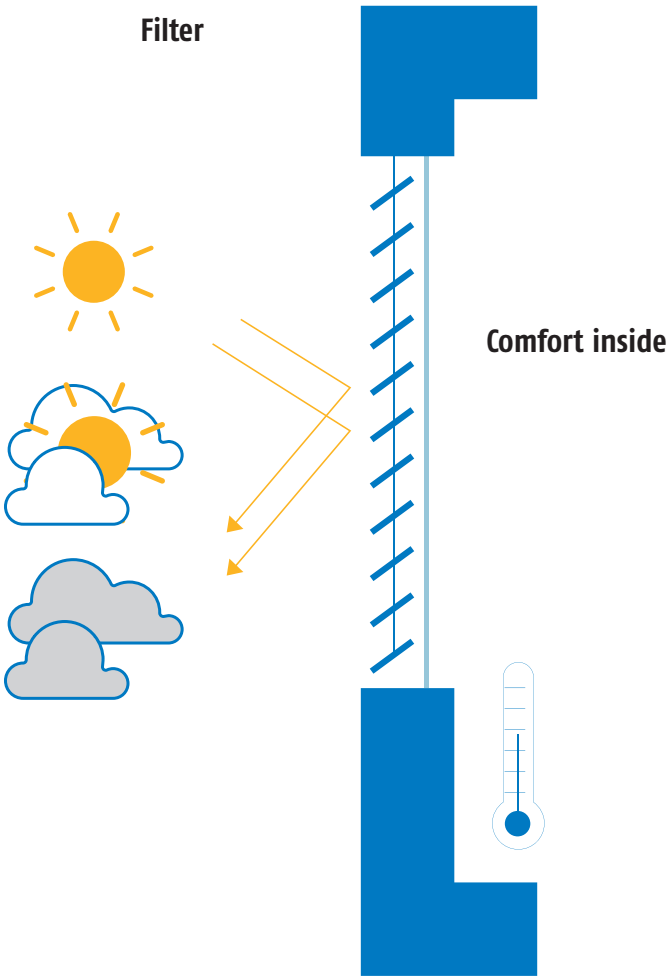


1.1 Why choose an External Venetian Blind?

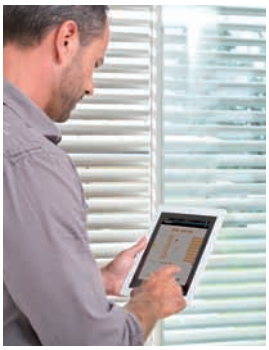


Gives you the best of the climate and save your energy consumption

External Venetian Blinds offer optimum heat exchanges between indoors and outdoors, ensuring that the temperature inside remains pleasant in all seasons.



HOME MOTION by somfy





Protection against sunlight

Sun glare
Protect your furniture



Communication with outside world

Contrary to other external protections, EVB allows you to see outside keeping your privacy & natural lighting.



Security with type 3 EVB

Protect your home thanks to type 3 EVB and its anti-lifting system, robbers cannot damage the product as easily as other EVBs. The type 3 EVB mechanic's ensure a better longevity to the carrier product. It is the more robust to wind and the morst resistant to the shocks.



Lighting conditions fine adjustment up to darkness

Protect your privacy while enjoying the benefits of natural light or blackout a window to match TV, by adjusting the slat angleof your external venetian blind.

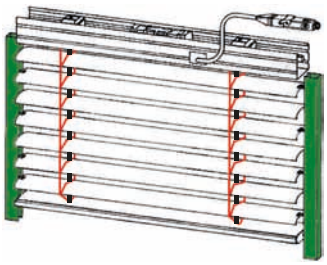


Comfort

You can in the summer, keep the interior cool breezes when External venetian Blinds are down, or in winter, enjoy the sunshine, raising them to benefit from the contribution of free calories.

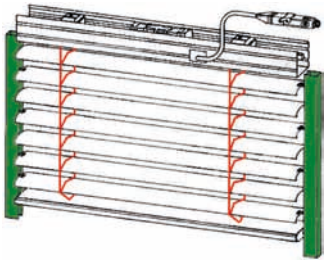
1.2 End product knowledge

EVB types mecanical



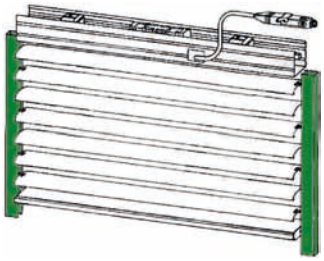
Type 1:
Lifting with tape
Tilting with ladder





Type 2:
Lifting in guide rail
Tilting with ladder





Type 3:
Lifting in guide rail
Tilting in guide rail
With Working Position

Other products

Type 4:

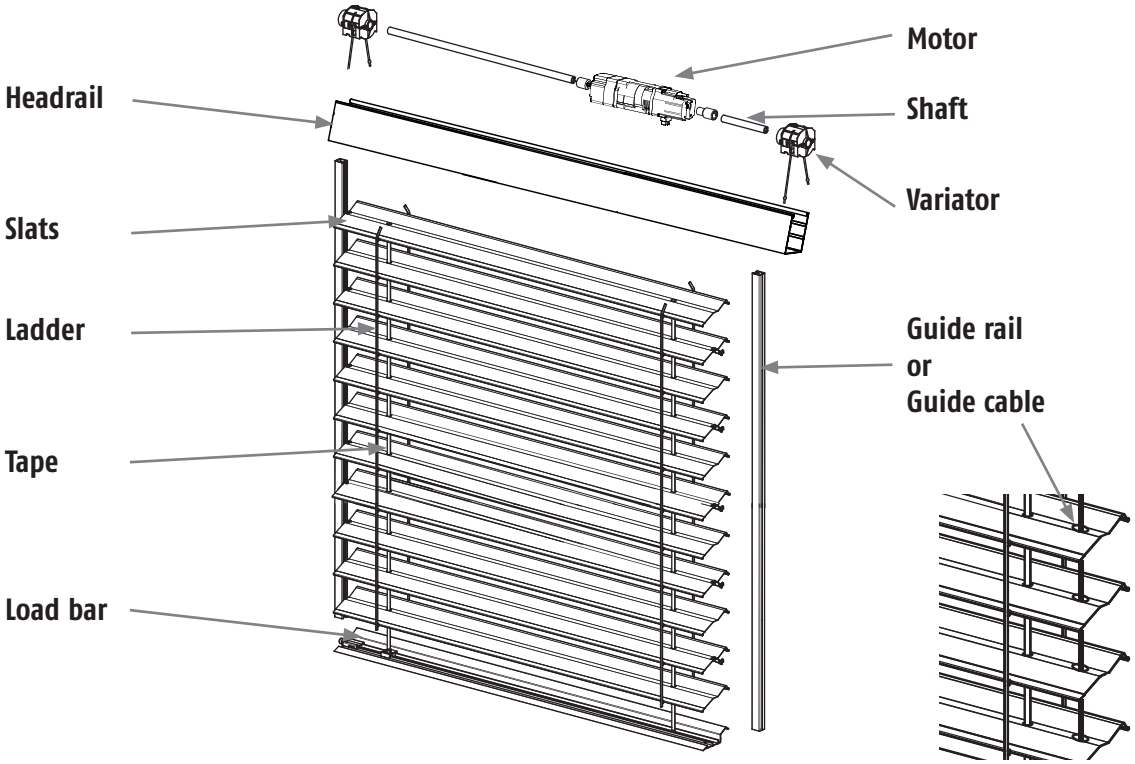
The end product is mounting instead of descending.
The motor can be on the top or at the bottom of the carrier product.

Asymmetrical EVB:

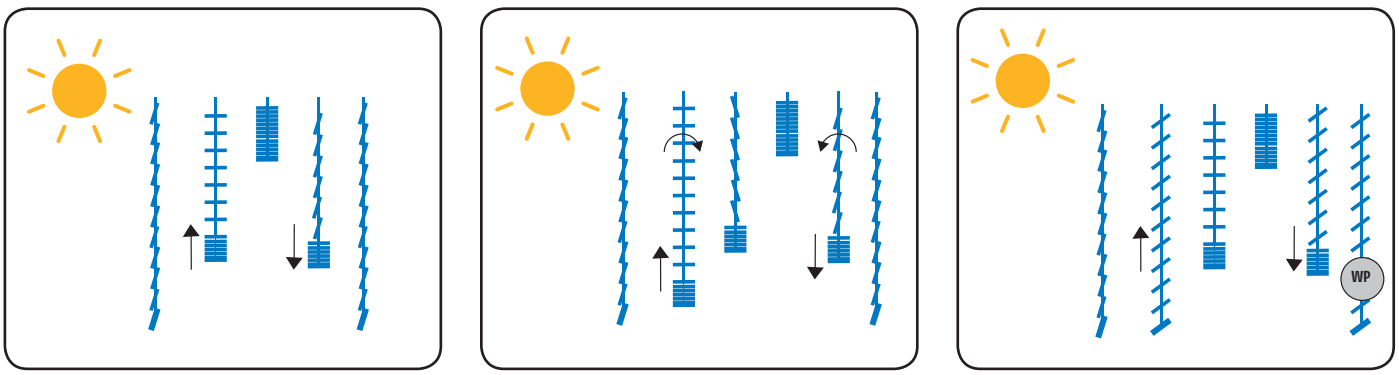
Type 1 For asymmetrical windows.

HOME MOTION by somfy

Components & kinematics



Different kinematics :



Standard Kinematics (0°/90°) | Alternative Kinematics (-90°/90°) | Working position Kinematics

The EVB can lift with different orientations
(slat closed, opened, or in “working position”).

The working position (WP) is the best slat orientation for users to push away sun rays and to avoid sun glare. It is often an orientation with an angle around 40/45°.

EVB types and kinematics are not linked. For example you can have a working position on a type 1 (in option), type 2 or type 3 EVB.



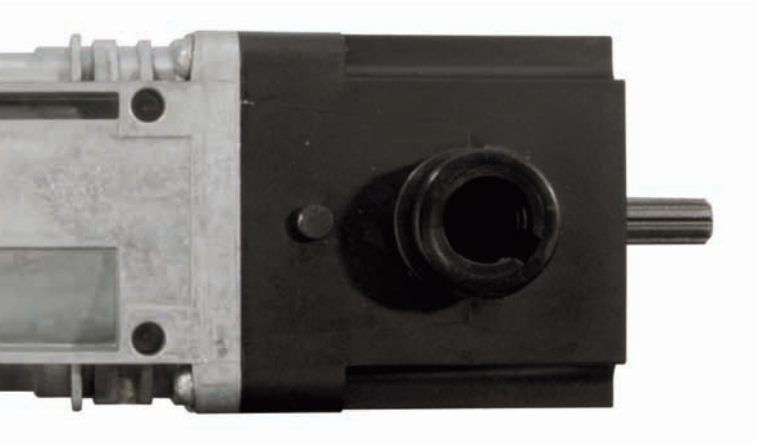
1.3 J4 motor range



J4 1TN

The solution for motorisation of EVB dedicated to OEM.

Page 18



J4 2TN

The solution for motorisation of EVB type 3.

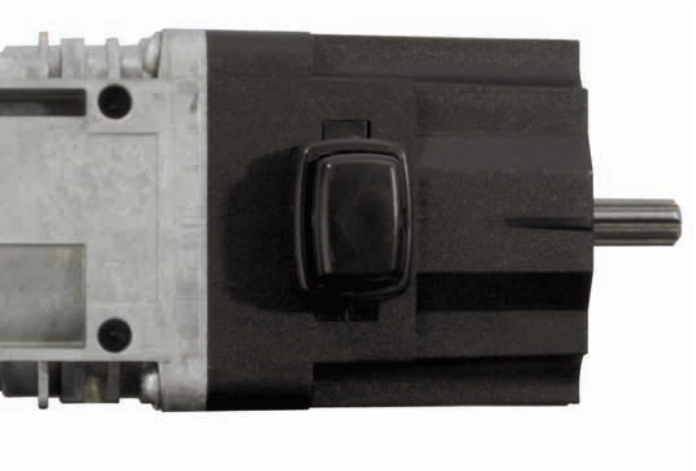
Page 20



J4 HTM

The solution for installers to motorise different kinds of EVB.

Page 22



J4 WT

The universal solution
of motorisation in new buildings
and renovation projects.

Page 26



J4 RTS

The solution integrating
radio technology

Page 34



J4 io

The io-homecontrol solution
for motorisation of EVB.

Page 38



1.4 Matrix functions / motors

		J4 1TN	J4 2TN	J4 HTM	J4 WT	J4 RTS	J4 io
BENEFITS FOR PROFESSIONALS	**Easy & secure integration**						
	The shortest EVB motor of the market*	●	●	●	●	●	●
	Plus & Play connection	●	●	●	●	●	
	Already customized to suit the shape of boxes / u & n headrail mounting**	●	●	●	●	●	●
	Choice for the length of cable	●	●	●	●	●	
	Removable cable	●	●	●	●	●	●
	Double power cut through dedicated button					●	
	Parallel wiring				●	●	●
	2D removable mushroom for protection in case of false installation				●	●	●
	Mushroom extensions	●	●	●	●	●	●
	Fully preset motor	●	●	●	●	●	
	Inversion of the rotation direction					●	●
	Autoscan & Snapshot functions						●
	Integrated radio					●	
	Settings						
	Mechanical Limit Switch Unit	●	●	●			
	Electronic Limit Switch Unit				●	●	●
	Bottom end limit already set in factory and up limit with a mushroom	●	●	●	●	●	●
	Adjustable end limits			●	●	●	●
	End limit settings by Limit Swith Unit buttons			●			
	End limit settings by setting tool				●		
	End limit settings by remote control				●	●	●
	Automatic settings					●	●
BENEFITS FOR END - USERS	**Comfort**						
	Move your EVB effortless and remotely thanks to the RTS or io control	●***		●***	●***	●	●
	Move in one click your EVB to your favorite «my» position	●***		●***	●***	●	●
	Interoperability in the io world						●
	End user feedback (plugging the Variation Slim receiver io)						●
	Adjustment of tilting position, whatever the blind position (Variation Slim receiver io)						●
	Operating through the Tahoma interface or control via Internet (Variation Slim receiver io)					●	●
	Working position		●			●	
	RTS Modulis compatibility	●		●	●		
	Security						
	Safety stop (snow between slats...) via a mushroom	●	●	●	●	●	●
	Motor blocking detection				●	●	
	Torques of 6, 10, 18 N.m	●	●	●	●	●	●
	Speed of 24 rpm	●	●	●	●	●	●

* Mini 306 mm length for 6 N.m

** 1TN, 2TN, HTM need to press the 57x51 & 58 x56 headrail for n mounting

*** Plugging to the motor a Soliris Mod/Var Slim receiver RTS (see page 40)

PART 2
Commercial Building Solutions



2.1 A J4 motor for all kind of Commercial Buildings...



Hospitality

The External Venetian Blind as architectural element:

Contributing to the global design of the hotel & awarding a modern image of quality & upscale, the EVB gives value to your estate and entertains users thanks to its various lighting adjustment possibilities.

Other benefits of EVB in hospitality:

> Protection : noise & light concealment, making the room dark for sleeping (in addition with a curtain)

> Privacy, well being & cocooning for the occupants : possibility to create different atmospheres

> Protection of the furniture against sun rays.



Healthcare

The External Venetian Blind as well being vehicle:

Contributing to the patient well being thanks to privacy management, the thermal & visual comfort (sun glare and reflects), the blackout, the atmosphere creation and the visual communication towards outside.



Education

The External Venetian Blind as comfort vehicle:

EVB offers a solution to inconveniences subjected by pupils & students (sun reflection on the blackboard, sun glare, heat...). The possibility to adjust lighting with accuracy, to make a screening room dark or to improve thermal comfort, gives to occupants optimum working conditions.

Other benefits of EVB in hospitality:

> Protection : noise & light concealment, making the room dark for sleeping (in addition with a curtain)

> Privacy, well being & cocooning for the occupants : possibility to create different atmospheres

> Protection of the furniture against sun rays.



Offices

The External Venetian Blind as efficiency vehicle:

Visual & thermal comfort contribute to the occupants working efficiency. The different slats orientation possibilities allow the user to avoid sun glare on computers, to make a screening room dark or to create different working atmospheres all day long.

2.2 J4 1TN

WIRED TECHNOLOGY





The plug & play OEM solution. No need to set up and down positions.

THE SOLUTION FOR MOTORISATION OF EVB DEDICATED TO OEM

PRODUCT MAIN FUNCTIONALITIES

- Compatible with Type 1 (without working position)
- Compatible with Type 2 (without working position)
- Fast connection
- u or n headrail mounting
- Compatible with Modulis RTS remote (adding a Mod/Var Slim receiver)
- My function with Soliris Mod/Var Slim receiver RTS
- IP54
- 5 year Warranty

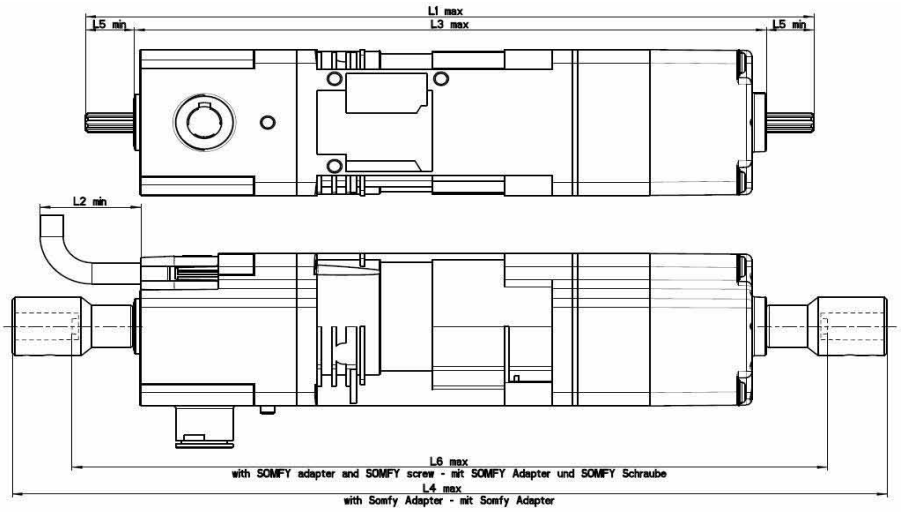
BENEFITS FOR OEM / INSTALLERS

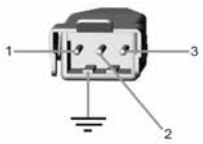
Settings:
- The easiest and less expansive EVB actuator in the Somfy range.
- Plug & play : the motor is fully preset & doesn't need additional settings.
- No mechanical settings, fully preset motor:
  > Bottom end-limit already set in factory
  > Upper end-limit setting with a mushroom
  > (accessories for height adjustment)
  > Mechanical LSU

Easy integration:
- One of the shortest motor on the market
- Fast connection (plug and play) with Hirschmann plugs
- Already customised to suit the shape of boxes
- Choice for the length of the cable

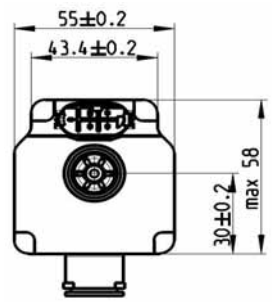
BENEFITS FOR END USERS

Simple, effortless comfort
- Move your EVB effortless and remotely thanks to the radio control (adding a Modulis Slim receiver)
- My function
- Safety stop (snow between slats, etc...)
- Compatibility with type 1 & type 2 EVB





WIRING		
1	Blue	Neutral
2	Black	Up
3	Brown	Down
PE	Green-Yellow	Earth



TECHNICAL DATA

J4 1TN	
Nominal voltage	230 V – 50Hz
Power supply tolerances	207 – 253 V
Number of wires of the cable	3 + earth
Wire section	0.75 mm2
Protection against electric shock	Class 1
Type of limit switch unit	Mechanic LSU with set & not adjustable down end-limit
Maximum capacity of LSU	52 turns
Repeatability	± 5°
Degree of protection	I.P.54
Used position	Horizontal
Temperature working range	Normal use: -10°C to +40°C Exceptionnal use (20% of the life time not continuously): -20°C to +70°
Noise level	According to SOMFY measurements: Acoustic power of motor in Up movement with load (nominal torque) at 20°C in reverberant acoustic room

J4 1TN			
	J406 1TN	J410 1TN	J418 1TN
Nominal torque (N.m)	6	10	18
Speed with load (rpm)	24	24	24
L1 max. (mm)	254	269	289
L2 min. (mm)	35	35	35
L3 max. (mm)	222	237	257
L4 max. with long adapters (mm)	306	321	341
L4 max. with medium adapters (mm)	296	311	331
L5 min. (mm)	16	16	16
L6 max. (mm)	265	280	300
Section (mm)	55 x 58	55 x 58	55 x 58
Rated power (W)	95	110	155
Rated current (A)	0.4	0.5	0.7
Thermal time (min)	6	6	6
Brake type	Sliding	Sliding	Sliding
Weight with adapters (kg)	1.4	1.6	2.3
Noise (dB)	52	54	55

Ref	Description	Torque	Speed	U/N	Shaft adapter	Cable	Delivery position	Down end limit position	Pack	Others
1210281	J406 6/24 1TN	6	24	U			0°	0°	Unit	
1210285	J406 6/24 1TN 0.5M STAS3 U	6	24	U		0.5 m	0°	0°	Unit	Acc tapes
1210242	J4 06/24 1TN 230V SCHENKER	6	24	N	9016754 + 9016756	0.5 m	270°	0°	Blue box	Headrail adapt.
1210282	J410 10/24 1TN	10	24	U			0°	0°	Unit	
1210286	J410 10/24 1TN 0.5M STAS3 U	10	24	U		0.5 m	0°	0°	Unit	Acc tapes
1210247	J4 10/24 1TN 230V SCHENKER	10	24	N	9016754 + 9016756	0.5 m	270°	0°	Blue box	Headrail adapt.
1210287	J418 18/24 1TN 0.5M STAS3	18	24	U		0.5 m	0°	0°	Unit	Acc tapes
1210347	J418 1TN SCHENKER	18	24	N	9016754 + 9016756	0.5 m	270°	0°	Blue box	Headrail adapt.

2.3 J4 2TN

WIRED TECHNOLOGY





Dedicated to the EVB with a working position.

THE SOLUTION FOR MOTORISATION OF EVB TYPE3

PRODUCT MAIN FUNCTIONALITIES

- Could be used with Type 1
- Could be used with Type 2
- Compatible with Type 3
- Fast connection
- U or n headrail mounting
- IP54
- 5 Warranty year somfy

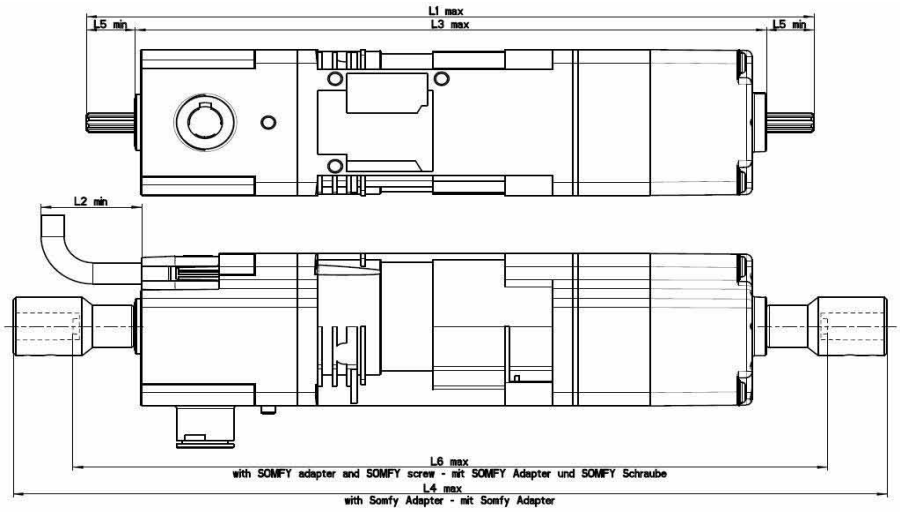
BENEFITS FOR OEM / INSTALLERS

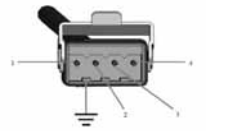
Settings:
- Fully preset motor:
  > Bottom end-limit already set in factory
  > Second bottom end-limit position already set as -180° from bottom end-limit position
  > Upper end-limit setting with a mushroom (accessories for height adjustment)
  > Mechanical LSU

Easy integration:
- One of the shortest motor on the market
- Fast connection (plug and play) with Hirschmann plugs
- Already customised to suit the shape of boxes
- Choice for the length of the STAS 4 cable
- Compatibility with type 1, type 2 & type 3 (gandzmetalstore) EVB

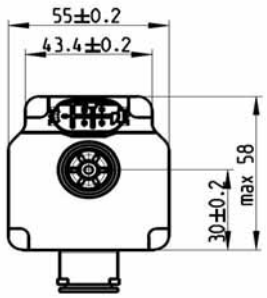
BENEFITS FOR END USERS

Simple, effortless comfort
- Move your EVB effortless and remotely thanks to the radio control (adding a Modulis Slim receiver)
- My function
- Safety stop (snow between slats, etc...)
- Go directly to the wanted position





WIRING		
1	Black	Down (open)
2	Grey	Down (closed)
3	Brown or Red	Up
4	Blue	Neutral
PE	Green-Yellow	Earth



TECHNICAL DATA

J4 2TN	
Nominal voltage	230 V – 50Hz
Power supply tolerances	207 – 253 V
Number of wires of the cable	4 + earth
Wire section	0.75 mm2
Protection against electric shock	Class 1
Type of limit switch unit	Mechanic LSU with two set & not adjustable down end-limits, 180° between down 1 and 2
Maximum capacity of LSU	52 turns
Repeatability	± 5°
Degree of protection	I.P.54
Used position	Horizontal
Temperature working range	Normal use: -10°C to +40°C Exceptionnal use (20% of the life time not continuously): -20°C to +70°C
Noise level	According to SOMFY measurements: Acoustic power of motor in Up movement with load (nominal torque) at 20°C in reverberant acoustic room

J4 2TN	J406 2TN	J410 2TN	J418 2TN
Nominal torque (N.m)	6	10	18
Speed with load (rpm)	24	24	24
L1 max. (mm)	254	269	289
L2 min. (mm)	35	35	35
L3 max. (mm)	222	237	257
L4 max. with long adapters (mm)	306	321	341
L4 max. with medium adapters (mm)	296	311	331
L5 min. (mm)	16	16	16
L6 max. (mm)	265	280	300
Section (mm)	55 x 58	55 x 58	55 x 58
Rated power (W)	95	110	155
Rated current (A)	0.4	0.5	0.7
Thermal time (min)	6	6	6
Brake type	Sliding	Sliding	Sliding
Weight with adapters (kg)	1.4	1.6	2.3
Noise (dB)	52	54	55

Ref	Description	Torque	Speed	U/N	Shaft adapter	Cable	Delivery position	Down end limit position	Pack	Others
1210294	J406 6/24 2TN	6	24	U			180°	0°	Unit	
1210279	J406 6/24 2TN SCHENKER	6	24	N	9016754 + 9016756	0.5 m	180°	0°	Blue box	Headrail adapt.
1210308	J406 6/24 2TN BAUMANN	6	24	N	9014172	0.9 m	270°	0°	Unit	Acc tapes & elastom.
1210533	J406 6/24 2TN NYF P72-PAC	6	24	N	9017695	0,5m	247,5°	0°	Pack 120	Acc tapes
1210534	J406 6/24 2TN NYF ALU90-PACK	6	24	N	9017697	0,9m	180°	0°	Pack 120	Acc tapes
1210295	J410 10/24 2TN	10	24	U			180°	0°	Unit	
1210280	J410 10/24 2TN SCHENKER	10	24	N	9016754 + 9016756	0.5 m	180°	0°	Blue box	Headrail adapt.
1210309	J410 10/24 2TN BAUMANN	10	24	N	9014172	0.9 m	270°	0°	Unit	Acc tapes & elastom.
1210311	J418 18/24 2TN	18	24	U			180°	0°	Unit	
1210348	J418 2TN SCHENKER	18	24	N	9016754 + 9016756	0.5 m	180°	0°	Blue box	Headrail adapt.
1210351	J418 2TN 270° BAUMANN	18	24	N	9014172	0.9 m	270°	0°	Unit	Acc tapes & elastom.

2.4 J4 HTM

WIRED TECHNOLOGY





Preseted motor for OEM.
Re-adjustement on site possible.

THE SOLUTION FOR INSTALLERS TO MOTORISE DIFFERENT KINDS OF EVBS

PRODUCT MAIN FUNCTIONALITIES

- Compatible with Type 1 (without working position)
- Compatible with Type 2 (without working position)
- Fast connection
- u or n headrail mounting
- Compatible with Modulis RTS remote (adding a Mod/Var Slim receiver)
- My function with Soliris Mod/Var Slim receiver RTS
- IP54
- 5 year Warranty

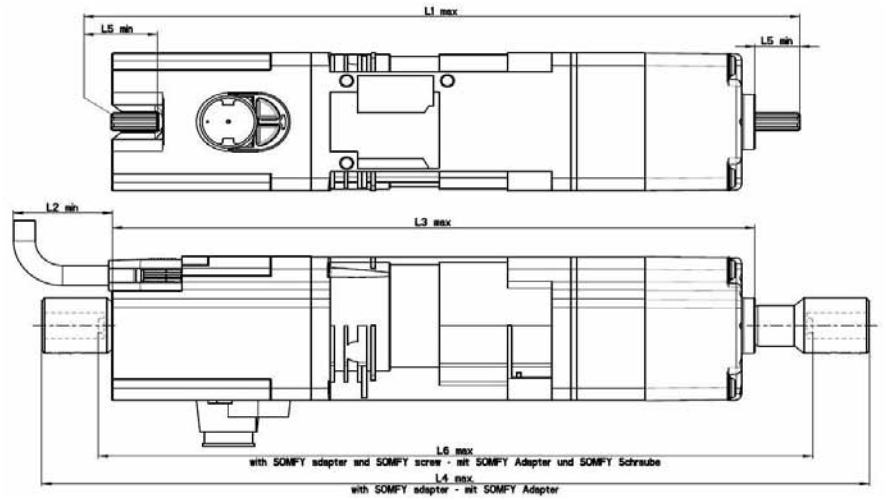
BENEFITS FOR OEM / INSTALLERS

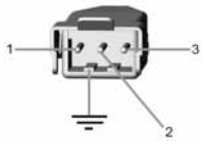
Settings:
- Mechanical settings:
  > Bottom end-limit already set for integration
  > Upper end-limit setting with a mushroom (accessories for height adjustment)
  > End limits resetting by buttons
  > Mechanical LSU

Easy integration:
- One of the shortest motor on the market
- Fast connection (plug and play) with Hirschmann plugs
- Already customised to suit the shape of boxes
- Choice for the length of the cable
- u & n headrail mounting

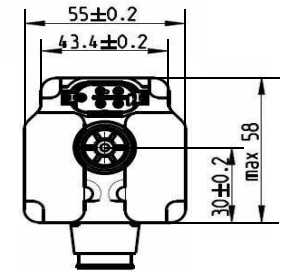
BENEFITS FOR END USERS

Simple, effortless comfort
- Move your EVB effortless and remotely thanks to the radio control (adding a Modulis Slim receiver)
- My function
- Safety stop (snow between slats, etc...)
- Compatibility with type 1 & type 2 EVB





WIRING		
1	Blue	Neutral
2	Black	Up
3	Brown	Down
PE	Green-Yellow	Earth



TECHNICAL DATA

J4 HTM	
Nominal voltage	230 V – 50Hz
Power supply tolerances	207 – 253 V
Number of wires of the cable	3 + earth
Wire section	0.75 mm2
Protection against electric shock	Class 1
Type of limit switch unit	Quick mechanical LSU with preset & adjustable up and down end-limit
Maximum capacity of LSU	90 turns
Repeatability	± 5°
Degree of protection	I.P.54
Used position	Horizontal
Temperature working range	Normal use: -20°C to +70°C Exceptionnal use (20% of the life time not continuously): -30°C to +80°C
Noise level	According to SOMFY measurements: Acoustic power of motor in Up movement with load (nominal torque) at 20°C in reverberant acoustic room

J4 HTM	J406 HTM	J410 HTM	J418 HTM
Nominal torque (N.m)	6	10	18
Speed with load (rpm)	24	24	24
L1 max. (mm)	254	269	289
L2 min. (mm)	35	35	35
L3 max. (mm)	222	237	257
L4 max. with long adapters (mm)	306	321	341
L4 max. with medium adapters (mm)	296	311	331
L5 min. (mm)	16	16	16
L6 max. (mm)	265	280	300
Section (mm)	55 x 58	55 x 58	55 x 58
Rated power (W)	95	110	155
Rated current (A)	0.4	0.5	0.7
Thermal time (min)	6	6	6
Brake type	Sliding	Sliding	Sliding
Weight with adapters (kg)	1.4	1.6	2.3
Noise (dB)	52	54	55

Ref	Description	Torque	Speed	U/N	Shaft adapter	Cable	Delivery position	Down end limit position	Pack	others
1210275	J406 6/24 HTM SCHENKER	6	24	N	9014577	0.5 m	180°	0°	Blue box	Headrail adapt.
1210270	J406 6/24 HTM HD	6	24	U		0.9 m	0°	0°	Pack 120	Acc tapes
1210283	J406 6/24 HTM	6	24	U			0°	0°	Unit	
1210288	J406 6/24 HTM 0.5M STAS3 U	6	24	U		0.5 m	0°	0°	Unit	Acc tapes
1210198	J406 6/24 HTM 230V VALETTA	6	24	N	9014321	0.9 m	0°	0°	Pack 120	Acc tapes
1210258	J406 6/24 HTM FRANCIAFLEX	6	24	N	9014577	0.5 m	180°	0°	Unit	Headrail adapt.
1210256	J406 6/24 HTM TEBA	6	24	U		0.5 m	0°	0°	Pack 120	Acc tapes
1210252	J406 6/24 HTM REFLEXA	6	24	U	5071661		0°	0°	Pack 120	Acc tapes
1210277	J406 6/24 HTM-EURO M	6	24	N	9014321	0.5 m	0°	0°	Pack 120	Acc tapes
1210402	J406 6/24 HTM HELLA	6	24	U	9015452	0.5 m	0°	0°	Pack 120	Acc tapes
1210303	J406 6/24 HTM MODEL SYSTEM	6	24	N	9014321		180°	0°	Blue box	Headrail adapt.
1210475	J406 6/24 HTM PACK GR/METAL	6	24	N	9018041		180°	0°	Pack 120	Headrail adapt+ short mushroom
1210487	J406 6/24 HTM PACK GR/LAM/GR	6	24	N	9018041		0°	0°	Pack 120	Headrail adapt
1210502	J406 6/24 HTM 0.5M DIF GMBH-UN	6	24	U	9017328	0,5m	0°	0°	Unit	Acc tapes
1210535	J406 6/24 HTM 0,5M BKSCH-UNIT	6	24	N	9018522	0,5m	180°	0°	Unit	
1210276	J410 10/24 HTM SCHENKER	10	24	N	9014577	0.5 m	180°	0°	Blue box	Headrail adapt.
1210244	J410 10/24 HTM HD	10	24	U		0.9 m	0°	0°	Pack 120	Acc tapes
1210284	J410 10/24 HTM	10	24	U			0°	0°	Unit	
1210289	J410 10/24 HTM 0.5M STAS3 U	10	24	U		0.5 m	0°	0°	Unit	Acc tapes
1210197	J410 10/24 HTM 230V VALETTA	10	24	N	9014321	0.9 m	0°	0°	Pack 120	Acc tapes
1210253	J410 10/24 HTM REFLEXA	10	24	U	5071661		0°	0°	Pack 120	Acc tapes
1210278	J410 10/24 HTM-EURO M	10	24	N	9014321	0.5 m	0°	0°	Pack 120	Acc tapes
1210257	J410 10/24 HTM TEBA	10	24	U	9015452	0.5 m	0°	0°	Pack 120	Acc tapes
1210304	J410 10/24 HTM MODEL SYSTEM	10	24	N	9014321	0.5 m	180°	180°	Blue box	Headrail adapt.
1210404	J410 10/24 HTM BH-PROTAL	10	24	N	9014172	0.5 m	180°	-10°	Pack 120	Acc tapes
1210476	J410 10/24 HTM PACK GR/METAL	10	24	N	9018041		180°	180°	Pack 120	Headrail adapt+ short mushroom
1210488	J410 10/24 HTM PACK GR/LAM/GR	10	24	N	9018041		0°	0°	Pack 120	Headrail adapt
1210536	J410 10/24 HTM 0,5M BKSCH-UNIT	10	24	N	9018522	0,5m	180°	0°	Unit	
1210349	J418 HTM SCHENKER	18	24	N	9014577	0.5 m	180°	0°	Blue box	Headrail adapt.
1210132	J418 18/24 HTM	18	24	U			0°	0°	Unit	
1210290	J418 18/24 HTM U 0.5M STAS3	18	24	U		0.5 m	0°	0°	Unit	Acc tapes
1210405	J418 18/24 HTM BH-PROTAL	18	24	N	9014172	0.5 m	180°	-10°	Pack 120	Acc tapes
1210477	J418 18/24 HTM PACK GR/METAL	18	24	N	9018041		180°	0°	Pack 120	Headrail adapt+ short mushroom
1210489	J418 18/24 HTM PACK GR/LAM/GR	18	24	N	9018041		0°	0°	Pack 120	Headrail adapt

NOTES

2.5 J4 WT

WIRED TECHNOLOGY





The shortest electronic motor for new building and renovation project. 2 D mushroom ensure the security of the carrier product.

THE UNIVERSAL SOLUTION OF MOTORISATION OF EVBS IN BUILDINGS AND RENOVATION PROJECTS

PRODUCT MAIN FUNCTIONALITIES

- Compatible with Type 1 (without working position)
- Compatible with Type 2 (without working position)
- Fast connection
- u or n headrail mounting
- 2D removable mushroom (for protection in case of false / inversed installation)
- Compatible with Modulis RTS remote (adding a Mod/Var Slim receiver)
- My function with Soliris Mod/Var Slim receiver RTS
- IP54
- 5 year Warranty

BENEFITS FOR OEM / INSTALLERS

Settings:

- Electronic settings:
  > Upper end-limit setting with a mushroom (accessories for height adjustment)
  > Easy settings on site thanks to the setting tool or thanks to the Telis Modulis RTS (with Modulis Slim receiver)
  > Electronic LSU

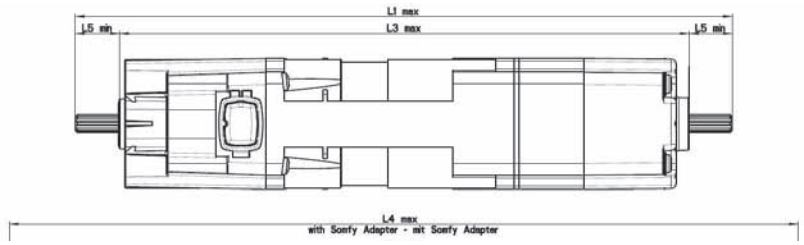
Easy integration:

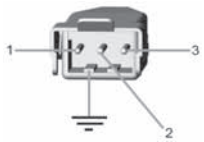
- One of the shortest motor on the market
- Fast connection (plug and play) with Hirschmann plugs
- Already customised to suit the shape of boxes
- Choice for the length of the cable
- u & n headrail mounting
- Parallel wiring
- 2D mushroom for protection in case of false / inversed installation (the mushroom works as well in up as in down position)
- Removable mushroom

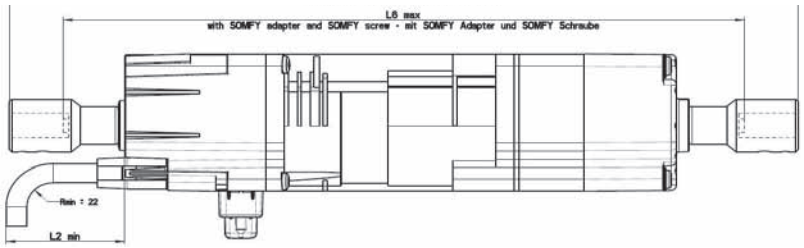
BENEFITS FOR END USERS

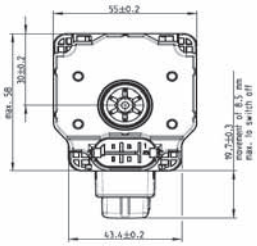
Simple, effortless comfort

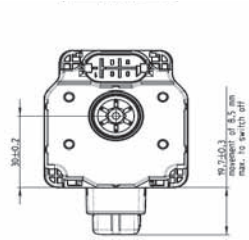
- Move your EVB effortless and remotely thanks to the radio control (adding a Modulis Slim receiver)
- My function
- Safety stop (snow between slats, etc...)
- Compatibility with type 1 & type 2 EVB











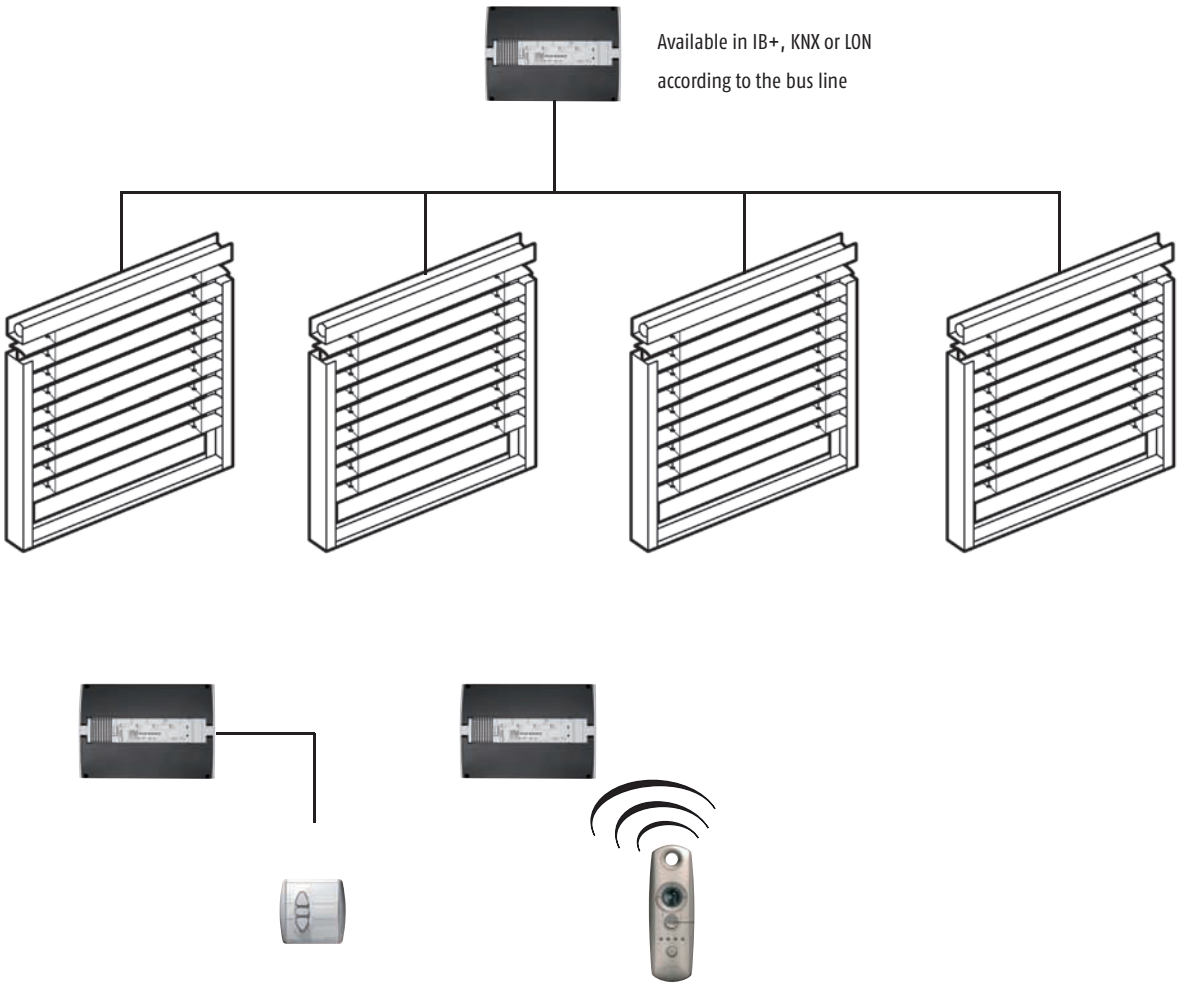
TECHNICAL DATA

J4 WT	
Nominal voltage	230 V – 50Hz
Power supply tolerances	207 – 253 V
Number of wires of the cable	3 + earth
Wire section	0.75 mm2
Protection against electric shock	Class 1
Type of limit switch unit	Electronic Limit Switch Unit with preset & adjustable up and down end-limit
Maximum capacity of LSU	200 turns
Repeatability	± 5°
Degree of protection	I.P.54
Stand by consumption	0.3 W
Used position	Horizontal
Temperature working range	Normal use: -20°C to +70°C Exceptionnal use (20% of the life time not continuously): -30°C to +80°C
Noise level	According to SOMFY measurements: Acoustic power of motor in Up movement with load (nominal torque) at 20°C in reverberant acoustic room

J4 WT	J406 WT	J410 WT	J418 WT
Nominal torque (N.m)	6	10	18
Speed with load (rpm)	24	24	24
L1 max. (mm)	254	269	289
L2 min. (mm)	47	47	47
L3 max. (mm)	222	237	257
L4 max. with long adapters (mm)	306	321	341
L4 max. with medium adapters (mm)	296	311	331
L5 min. (mm)	16	16	16
L6 max. (mm)	265	280	300
Section (mm)	55 x 58	55 x 58	55 x 58
Rated power (W)	95	110	155
Rated current (A)	0.4	0.5	0.7
Thermal time (min)	6	6	6
Brake type	Sliding	Sliding	Sliding
Weight with adapters (kg)	1.5	1.7	2.2
Noise (dB)	53	55	56

Ref	Description	Torque	Speed	U/N	Shaft adapter	Cable	Delivery position	Down end limit position	Pack	Others
1210384	J406 06/24 WT WICK	6	24	N	9015452	0.5 m	0°	0°	Pack 120	Acc tapes
1210267	J406 6/24 WT	6	24	N			0°	0°	Unit	
1210331	J406 6/24 WT 0,5M STAS N	6	24	N		0.5 m	0°	0°	Unit	Acc tapes
1210291	J406 6/24 WT 0,5M STAS	6	24	U		0.5 m	0°	0°	Unit	Acc tapes
1210334	J406 6/24 WT PACK	6	24	N	9014321	0.5 m	180°	0°	Pack 120	Acc tapes
1210337	J406 6/24 WT UNIT SWISS	6	24	N	9014321	0.5 m	180°	0°	Unit	Acc tapes
1210335	J406 6/24 WT VALETTA	6	24	N	9014321	0.5 m	0°	0°	Pack 120	Acc tapes
1210406	J406 6/24 WT PACK 120 BAUMANN	6	24	N	9014172	0.5 m	270°	0°	Pack 120	Acc tapes
1210420	J406 6/24 WT P120 ROMA	6	24	U	9017328	0.9 m	0°	0°	Pack 120	Acc tapes
1210478	J406 6/24 WT PACK GR/METAL	6	24	N	9018041		180°	0°	Pack 120	Headrail adapt Without Mushroom
1210490	J406 6/24 WT PACK GR/LAM/GR	6	24	N	9018042		0°	0°	Pack 120	Headrail adapt
1210527	J406 6/24 WT NYF P72-PACK	6	24	N	9017695	0,5m	247,5°	0°	Pack 120	Acc tapes
1210529	J406 6/24 WT NYF ALU90-PACK	6	24	N	9017697	0,5m	180°	0°	Pack 120	Acc tapes
1210537	J406 6/24 WT STAR 3M-PACK	6	24	N	9014321	3m	0°	0°	Pack 120	Acc tapes
1210531	J406 6/24 WT NYF AL7290SZA -PK	6	24	N	9017697	0,5m	0°	0°	Pack 120	Acc tapes
1210385	J410 10/24 WT WICK	10	24	N	9015452	0.5 m	0°	0°	Pack 120	Acc tapes
1210268	J410 10/24 WT	10	24	N			0°	0°	Unit	
1210332	J410 10/24 WT 0,5M STAS N	10	24	N		0.5 m	0°	0°	Unit	Acc tapes
1210292	J410 10/24 WT 0,5M STAS	10	24	U		0.5 m	0°	0°	Unit	Acc tapes
1210338	J410 10/24 WT UNIT	10	24	N	9014321	0.5 m	180°	0°	Unit	Acc tapes
1210336	J410 10/24 WT VALETTA	10	24	N	9014321	0.5 m	0°	0°	Pack 120	Acc tapes
1210407	J410 10/24 WT PACK 120 BAUMANN	10	24	N	9014172	0.5 m	270°	0°	Pack 120	Acc tapes
1210421	J410 10/24 WT P120 ROMA	10	24	U	9017328	0.9 m	0°	0°	Pack 120	Acc tapes
1210479	J410 10/24 WT PACK GR/METAL	10	24	N	9018041		180°	0°	Pack 120	Headrail adapt Without Mushroom
1210491	J410 10/24 WT UNIT GR/LAM/GR	10	24	N	9018042		0°	0°	Pack 120	Headrail adapt
1210528	J410 10/24 WT NYF P72-UNIT	10	24	N	9017695	0.5 m	247,5	0°	Unit	Acc tapes
1210530	J410 10/24 WT NYF ALU90-UNIT	10	24	N	9017697	0,5m	180°	0°	Unit	Acc tapes
1210538	J410 10/24 WT STAR 3M-PACK	10	24	N	9014321	3m	0°	0°	Pack 120	Acc tapes
1210532	J410 10/24 WT NF AL72-90SZA -U	10	24	N	9017697	0,5m	0°	0°	Unit	Acc tapes
1210386	J418 18/24 WT WICK	18	24	N	9015452	0.5 m	0°	0°	Pack 120	Acc tapes
1210269	J418 18/24 WT N	18	24	N			0°	0°	Unit	
1210333	J418 18/24 WT 0,5M STAS 3	18	24	N		0.5 m	0°	0°	Unit	Acc tapes
1210293	J418 18/24 WT U 0,5M STAS 3	18	24	U		0.5 m	0°	0°	Unit	Acc tapes
1210339	J418 18/24 WT UNIT SWISS	18	24	N	9014321	0.5 m	180°	0°	Unit	Acc tapes
1210343	J48 18/24 WT VALETTA	18	24	N	9014321	0.5 m	0°	0°	Unit	Acc tapes
1210408	J418 18/24 WT UNIT BAUMANN	18	24	N	9014172	0.5 m	270°	0°	Unit	Acc tapes
1210480	J418 18/24 WT PACK GR/METAL	18	24	N	9018041		180°	0°	Pack 120	Headrail adapt Without Mushroom

2.6 Controls for Commercial Building Solutions (animeo compatibility)



Compatibility guide between animeo and J4 1TN / HTM / WT* only

	animeo			
Motor controller guide	**Solo**	**IB+**		**Lon**
Motor controler 1 AC with push button Smoove Uno IB+	NEW ●	●	KNX	
Motor controler 1 AC Wall mounted DIN Rail	●	●		
Motor controler 2 AC Wall mounted DIN Rail	NEW ●	●		
Motor controler 4 AC Wall mounted DIN Rail	●	●	●	●
Motor controler 4 AC Plug connector Wall mounted	NEW ● Wieland	● Wieland	● Wieland & Wago	

* Compatible with J4 WT under specific conditions (MoCo software version & motor manufacturing date)

PART 3
Residential Solutions



3.1 From motorisation to home motion

A world of technologies adapted to your needs

Wired Technology connects the control units to the motors via electric wires set into the walls. But you can also turn a wired installation into a radio controlled one and enjoy the comfort of wireless control thanks to a remote control.

RTS has today become the absolute reference in secure radio control for home. It is simple to use and RTS motors and control units are completely compatible.

A new radio transmission protocol, developed and shared by major manufacturers in the building world, io-homecontrol gives you all the advantages of radio technology, but above all a new way of managing comfort. It allows the different equipment in the home to communicate and is mainly installed in new buildings. Io-homecontrol gives you feedback, indicating the movement of your EVB in progress and confirming that the order has been properly carried out.

Our ambition

Somfy not develop only a complete range of high speed motorizations. We develop also controls that bring added comfort and performance. Better yet, our new generation of services gives you freedom. You don't have to worry about your EVB's : its becomes autonomous! The Somfy's ambition is to transport you from the motorization into the automation world and new services.



Energy saving & thermal comfort

Automatic EVBs offer optimum heat exchange between indoors and outdoors, ensuring that the temperature inside remains pleasant in all seasons without occupant intervention and reducing heating bills and air conditioning use in summer. The sun's rays cannot pass through the slats, the interior remains cool. With Dynamic Insulation, your home reacts automatically to climate variations. Automatic EVBs act as moving "regulators", ensuring that the home captures as much free energy as possible and reduces the need for costly energy consumption.



In winter

When night falls, the centralised timer lowers all blinds to improve window insulation. The dusk function means that the timer can take account of variations in daylight hours.
During the day, sun protection devices stay open to take advantage of the fre heat from the sun.



In summer

A sun sensor mocated on the façade detects sunlight intensity and lowers the sun protection devices. Furniture, carpets and floor coverings are protected against damage from the sun rays. By installing a sensor on each exposed façade, the sun protection devices will be operated automatically depending on the position of the sun.

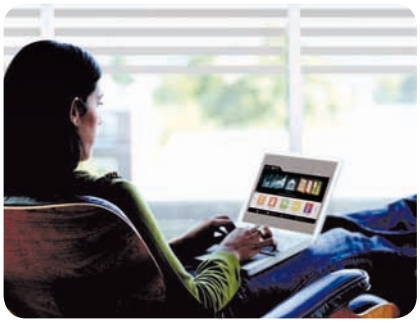
3.2 Get more from your EVBs with Somfy

Greater well being

Remotely control your EVBs from the comfort of your sofa!

The Telis Mod/Var RTS range is tailored to your needs whether you have a single EVB in one room or several throughout your home. It enable you to open and close your EVBs or adjust it without getting up.





Get more visual comfort!

Natural light can be fully mastered by using Somfy motors with EVBs. The level of light adapts automatically, or at the touch of a button, to suit the occupant's activities and provide the very best in visual comfort. Perfect for creating an atmosphere and eliminating glare on computer or TV screen...

Active scenarios from your PC, Smartphone or touch tablet : TaHoma

With the TaHoma service, reassurance is just a click away, wherever you are. Via the internet, you can check the status of your EVBs (open or closed) and make any adjustments, using a mobile phone, computer or touch tablet.



Security & peace of mind



Lock all part of your home with a single click : the centralized closing.

You will have no hesitation in closing your EVBs, even if you're only going out for a short time.
The "Home" button on the io access remote control closes all openings in the home in just one click.

Keep your home cool and protect your décor even when you're not there.

Automatic EVBs naturally shield the inside of your home from the heat and protect your décor, furniture, carpets and floors against sun's rays.

Thanks to wind sensors, even your EVBs are protected against wind damages, even in your absence.





Protect your home against burglars thanks to scenarios.

With the timer function, your EVBs will open and close at regular intervals without any intervention from you.

The scenario remote control can also operate patio awning, garden lights and other motorized products at the desired time, as if the home were occupied.

An effective way of discouraging burglars!

3.3 J4 RTS





The universal radio motor for EVB. Same shortest size than the current range.

THE SOLUTION INTEGRATING RADIO TECHNOLOGY

PRODUCT MAIN FUNCTIONALITIES

- Compatible with Type 1
- Compatible with Type 2
- Compatible with Type 3
- Fast connection
- u or n headrail mounting
- 2D removable mushroom (for protection in case of false / inversed installation)
- Fully compatible Modulis RTS remote
- My function
- RTS Technology embedded
- IP54
- 5 year Warranty

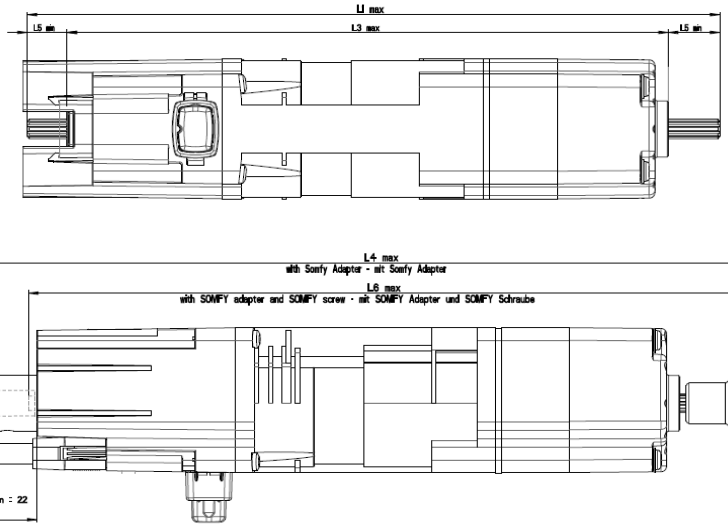
BENEFITS FOR OEM / INSTALLERS

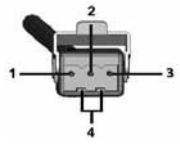
Settings:
- One product to be integrated: no radio module to be added (built-in radio receiver), with quick connections
- End limits set by remote control without accessing the motor
- Automatic settings
- Electronic LSU
- 2D mushroom for protection in case of false / inversed installation (the mushroom works as well in the up direction as in the down direction)

Easy integration:
- One of the shortest motor on the market
- Fast connection (plug and play) with Hirschmann plugs
- Already customised to suit the shape of boxes
- Choice for the length of the cable
- u & n headrail mounting
- Parallel wiring
- Removable mushroom
- Inversion of the rotation direction

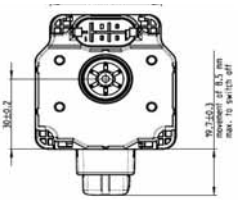
BENEFITS FOR END USERS

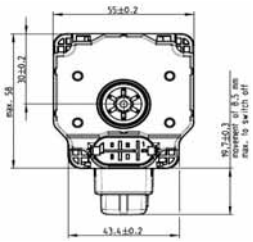
Simple, effortless comfort
- Move your EVB effortless and remotely thanks to the radio control & the Telis Mod/Var RTS
- My function
- Safety stop (snow between slats, etc...)
- Compatibility with type 1 & type 2 & type 3 (gandzmetalstore) EVB





WIRING			
1	N	Blue	Neutral
2	L	Black	Live
3	PE	Green-Yellow	Earth





TECHNICAL DATA

J4 RTS	
Nominal voltage	230 V – 50Hz
Power supply tolerances	207 – 253 V
Number of wires of the cable	2 + earth
Wire section	0.75 mm2
Protection against electric shock	Class 1
Type of limit switch unit	Radio & electronic LSU with preset & adjustable up and down end-limit
Maximum capacity of LSU	200 turns
Repeatability	± 5°
Degree of protection	I.P.54
Stand by consumption	0.55 W
Used position	Horizontal
Temperature working range	Normal use: -10°C to +40°C Exceptionnal use (20% of the life time not continuously): -20°C to +70°C
Noise level	According to SOMFY measurements: Acoustic power of motor in Up movement with load (nominal torque) at 20°C in reverberant acoustic room

J4 RTS	J406 RTS	J410 RTS	J418 RTS
Nominal torque (N.m)	6	10	18
Speed with load (rpm)	24	24	24
L1 max. (mm)	254	269	289
L2 min. (mm)	47	47	47
L3 max. (mm)	222	237	257
L4 max. with long adapters (mm)	306	321	341
L4 max. with medium adapters (mm)	296	311	331
L5 min. (mm)	16	16	16
L6 max. (mm)	265	280	300
Section (mm)	55 x 58	55 x 58	55 x 58
Rated power (W)	95	110	155
Rated current (A)	0.5	0.6	0.8
Thermal time (min)	6	6	6
Brake type	Sliding	Sliding	Sliding
Weight with adapters (kg)	1.5	1.7	2.2
Noise (dB)	53	55	56

Ref	Description	Torque	Speed	U/N	Shaft adapter	Cable	Delivery position	Down end limit position	Pack	others
1210375	J406 6/24 RTS N 0,5M STAS3	6	24	N		0.5 m	0°	0°	Unit	Acc tapes
1210378	J406 6/24 RTS UNIT SW/CZ	6	24	N	9014321	0.5 m	180°	0°	Unit	Acc tapes
1210381	J406 6/24 RTS UNIT AUST	6	24	N	9014321	0.5 m	0°	0°	Unit	Acc tapes
1210427	J406 6/24 RTS PACK W/H	6	24	N	9015452	0.5 m	0°	0°	Pack 120	Acc tapes
1210434	J406 6/24 RTS PACK SWISS	6	24	N	9014321	0.5 m	180°	0°	Pack 120	
1210539	J406 6/24 RTS STAR 3M-PACK	6	24	N	9014321	3m	0°	0°	Pack 120	Acc tapes
1210481	J406 6/24 RTS PACK GR/METAL	6	24	N	9018041		180°	0°	Pack 120	Headrail adapt Without Mushroom
1210493	J406 6/24 RTS PACK GR/LAM/GR	6	24	N	9018042		0°	0°	Pack 120	Headrail adapt
1210515	J406 6/24 RTS PACK 160 SC	6	24	N	9016754 + 9016756	0,5m	180°	0°	Blue box	Headrail adapt
1210376	J410 10/24 RTS N 0,5M STAS3	10	24	N		0.5 m	0°	0°	Unit	Acc tapes
1210379	J410 10/24 RTS UNIT SW/CZ	10	24	N	9014321	0.5 m	180°	0°	Unit	Acc tapes
1210382	J410 10/24 RTS UNIT AUST	10	24	N	9014321	0.5 m	0°	0°	Unit	Acc tapes
1210428	J410 10/24 RTS UNIT W/H	10	24	N	9015452	0.5 m	0°	0°	Unit	Acc tapes
1210540	J410 10/24 RTS STAR 3M-PACK	10	24	N	9014321	3m	0°	0°	Pack 120	Acc tapes
1210516	J410 10/24 RTS PACK 160 SC	10	24	N	9016754 + 9016756	0,5m	180°	0°	Blue box	Headrail adapt
1210494	J410 10/24 RTS PACK GR/LAM/GR	10	24	N	9018042		0°	0°	Pack 120	Headrail adapt
1210482	J410 10/24 RTS PACK GR/METAL	10	24	N	9018041		180°	0°	Pack 120	Headrail adapt Without Mushroom
1210377	J418 18/24 RTS N 0,5M STAS3	18	24	N		0.5 m	0°	0°	Unit	Acc tapes
1210380	J418 18/24 RTS UNIT SW/CZ	18	24	N	9014321	0.5 m	180°	0°	Unit	Acc tapes
1210383	J418 18/24 RTS UNIT AUST	18	24	N	9014321	0.5 m	0°	0°	Unit	Acc tapes
1210429	J418 18/24 RTS UNIT W/H	18	24	N	9015452	0.5 m	0°	0°	Unit	Acc tapes
1210517	J418 18/24 RTS PACK 160 SC	18	24	N	9016754 + 9016756	0,5m	180°	0°	Blue box	Headrail adapt
1210483	J418 18/24 RTS PACK GR/METAL	18	24	N	9018041		180°	0°	Pack 120	Headrail adapt Without Mushroom

NOTES

3.4 J4 io



The EVB offer dedicated to the io-homecontrol.

THE IO-HOMECONTROL SOLUTION FOR MOTORISATION OF EVB

PRODUCT MAIN FUNCTIONALITIES

- Compatible with Type 1
- Compatible with Type 2
- Compatible with Type 3
- Fast connection
- u or n headrail mounting
- 2D removable mushroom (for protection in case of false / inversed installation)
- Whatever the position of the blind, possibility to adjust the tilting position
- My function
- Compatible with Situo Mobile io VB
- io Technology
- Feedback function
- IP54
- 5 year Warranty

BENEFITS FOR OEM / INSTALLERS

Settings:

- Electronic settings :
  - Bottom end-limit already set in factory
  - All other settings with any 3 buttons io remote control
  - Automatic settings
  - Electronic LSU
- 2D mushroom for protection in case of false / inversed installation (the mushroom works as well in up as in down position)
- Removable mushroom

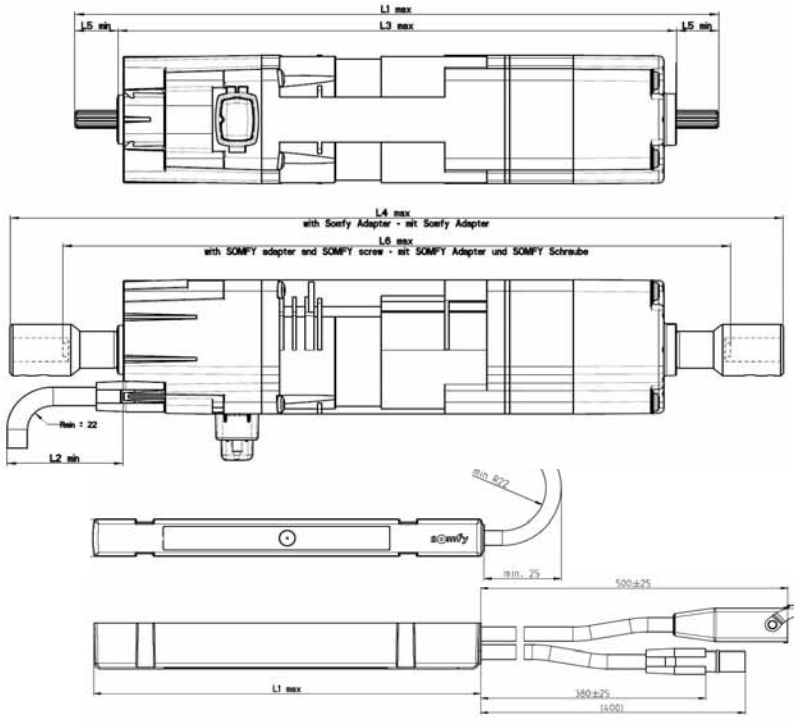
Easy integration:

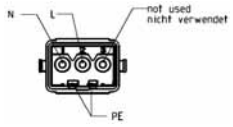
- One of the shortest motor on the market
- Fast connection (plug and play) with Hirschmann plugs
- Already customised to suit the shape of boxes
- Choice for the length of the cable
- Thin & aesthetic plate
- u & n headrail mounting
- Inversion of the direction of rotation
- Autoscan function

BENEFITS FOR END USERS

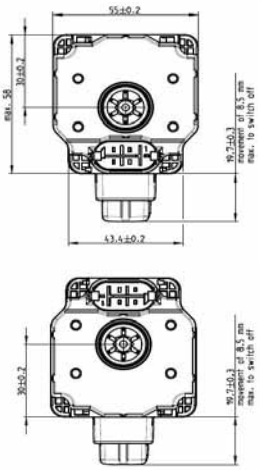
Simple, effortless comfort

- Move your EVB effortless and remotely thanks to the radio control
- My function
- Safety stop (snow between slats, etc...)
- Interoperability in the io world
- End user feedback
- Possibility to adjust the tilting position of the blind
- Operating through the Tahoma interface & control via Internet
- Compatibility with type 1, type 2 & type 3 EVB





WIRING		
N	Blue	Neutral
L	Black	Live
PE	Green-Yellow	Earth



TECHNICAL DATA

J4 io	
Nominal voltage	230 V – 50Hz
Power supply tolerances	207 – 253 V
Number of wires of the cable	2 + earth
Wire section	0.75 mm2
Protection against electric shock	Class 1
Type of limit switch unit	Electronic LSU with preset & adjustable up and down end-limit
Maximum capacity of LSU	200 turns
Repeatability	Class I of the EN. 14202
Degree of protection	I.P.54 for motor I.P.67 for plate
Stand by consumption	motor + plate: 0.85 W
Used position	Horizontal
Temperature working range	Normal use: -10°C to +40°C Exceptionnal use (20% of the life time not continuously): -20°C to +70°C
Noise level	According to SOMFY measurements: Acoustic power of motor in Up movement with load (nominal torque) at 20°C in reverberant acoustic room

J4 io			
	J406 io	J410 io	J418 io
Nominal torque (N.m)	6	10	18
Speed with load (rpm)	24	24	24
L1 max. (mm)	254	269	289
L2 min. (mm)	47	47	47
L3 max. (mm)	222	237	257
L4 max. with long adapters (mm)	306	321	341
L4 max. with medium adapters (mm)	296	311	331
L5 min. (mm)	16	16	16
L6 max. (mm)	265	280	300
Section (mm)	55 x 58	55 x 58	55 x 58
Rated power (W)	95	110	155
Rated current (A)	0.5	0.6	0.8
Thermal time (min)	6	6	6
Brake type	Sliding	Sliding	Sliding
Weight with adapters (kg)	1.5	1.7	2.2
Noise (dB)	53	55	56

Ref	Description	Torque	Speed	U/N	Shaft adapter	Cable	Delivery position	Down end limit position	Pack	others
1210363	J406 6/24 IO	6	24	U		0.5 m	0°	0°	Unit	Acc tapes
1210366	J406 06/24 IO UNIT SW/CZ	6	24	N	9014321	0.5 m	180°	0°	Unit	Acc tapes
1210369	J406 06/24 IO UNIT AUST	6	24	N	9014321	0.5 m	0°	0°	Unit	Acc tapes
1210430	J406 6/24 IO UNIT W/H	6	24	N	9015452	0.5 m	0°	0°	Unit	Acc tapes
1210462	J406 6/24 IO P120 RO/DIF	6	24	U	9017328	0.5 m	0°	0°	Pack 120	Acc tapes
1210464	J406 6/24 IO P120 RX	6	24	U	5071661		0°	0°	Pack 120	Acc tapes
1210496	J406 6/24 IO PACK GR/LAM/GR	6	24	N	9018042		0°	0°	Pack 120	Headrail adapt
1210484	J406 6/24 IO PACK GR/METAL	6	24	N	9018041		180°	0°	Pack 120	Headrail adapt Without J4io plate and Mushroom
1210364	J410 10/24 IO	10	24	U		0.5 m	0°	0°	Unit	Acc tapes
1210367	J410 10/24 IO UNIT SW/CZ	10	24	N	9014321	0.5 m	180°	0°	Unit	Acc tapes
1210370	J410 10/24 IO UNIT AUST	10	24	N	9014321	0.5 m	0°	0°	Unit	Acc tapes
1210431	J410 10/24 IO UNIT W/H	10	24	N	9015452	0.5 m	0°	0°	Unit	Acc tapes
1210463	J410 10/24 IO P120 RO/DIF	10	24	U	9017328	0.5 m	0°	0°	Unit	Acc tapes
1210465	J410 10/24 IO P120 RX	10	24	U	5071661		0°	0°	Unit	Acc tapes
1210484	J406 6/24 IO PACK GR/METAL	18	24	N	9018041		180°	0°	Pack 120	Headrail adapt Without J4io plate and Mushroom
1210365	J418 18/24 IO	18	24	U		0.5 m	0°	0°	Unit	Acc tapes
1210368	J418 18/24 IO UNIT SW/CZ	18	24	N	9014321	0.5 m	180°	0°	Unit	Acc tapes
1210371	J418 18/24 IO UNIT AUST	18	24	N	9014321	0.5 m	0°	0°	Unit	Acc tapes
1210432	J418 18/24 IO UNIT W/H	18	24	N	9015452	0.5 m	0°	0°	Unit	Acc tapes
1210486	J418 18/24 IO PACK GR/METAL	18	24	N	9018041		180°	0°	Pack 120	Headrail adapt Without J4io plate and Mushroom

NOTES

3.5 J4 HTM or J4 WT + Soliris Mod/Var Slim Receiver RTS





THE SOLUTION TO UPGRADE AN INSTALLATION

PRODUCT MAIN FUNCTIONALITIES

- Compatible with Type 1
- Compatible with Type 2
- Fast connection
- u or n headrail mounting
- 2D removable mushroom (for protection in case of false / inversed installation)
- Compatible with Modulis RTS remote (adding a Soliris Mod/Var Slim receiver RTS)
- My function
- RTS functions
- IP54
- 5 year Warranty

BENEFITS FOR OEM / INSTALLERS

Settings :
- Upper end-limit setting with a mushroom (accessory for height adjustment)
- Bottom end-limit already set for integration (J4 HTM)
- End limits resetting by buttons (J4 HTM)
- Mechanical LSU (J4 HTM)
- Easy settings on site thanks to the setting tool or thanks to the Telis Modulis RTS (with Modulis Slim receiver) (J4 WT)
- Electronic LSU (J4 WT)

Easy integration:
- One of the shortest motor on the market
- Fast connection (plug and play) with Hirschmann plugs
- Already customised to suit the shape of boxes
- Choice for the length of the cable
- u & n headrail mounting
- Parallel wiring (J4 WT)
- Removable mushroom (J4 WT)
- 2D mushroom for protection in case of false / inversed installation (the mushroom works as well in up as in down position) (J4 WT)

BENEFITS FOR END USERS

Simple, effortless comfort
- Move your EVB effortless and remotely thanks to the radio control (adding a Modulis Slim receiver)
- My function
- Safety stop (snow between slats, etc...)
- Compatibility with type 1 & type 2 EVB

TECHNICAL DATA

Soliris Mod/Var Slim Receiver RTS	
Nominal voltage	230 V – 50Hz
Power supply tolerances	207 – 253 V
Number of wires of the cable (Main)	3 + earth
Number of wires of the cable (Motor)	4 + earth
Wire section	0.75 mm2
Protection against electric shock	Class 1

Soliris Mod/Var Slim Receiver RTS	
Degree of protection	I.P.54
Stand by consumption	1,1 W
Used position	Horizontal
Temperature working range	Storage: -30°C to +80°C Working: -30°C to +70°C
Weight (kg)	0.180

Ref	Description	
1810802 (unit) 1810871 (Pack 50)	Soliris Mod/Var Slim receiver RTS Plug	
1810806 (unit)	Soliris Mod/Var Slim receiver RTS Cable Without Hirschmann plug	

3.6 J4 HTM or J4 WT + EVB Slim Receiver Variation io





THE SOLUTION TO UPGRADE AN INSTALLATION

PRODUCT MAIN FUNCTIONALITIES

- Compatible with Type 1
- Compatible with Type 2
- Compatible with Type 3
- Fast connection
- u or n headrail mounting
- 2D removable mushroom (for protection in case of false / inversed installation)
- Compatible with Situo Mobile io VB
- My function
- io functions
- Feedback function
- IP54
- 5 year Warranty

BENEFITS FOR OEM / INSTALLERS

Settings :
- Upper end-limit setting with a mushroom (accessory for height adjustment)
- Bottom end-limit already set for integration (J4 HTM)
- End limits resetting by buttons (J4 HTM)
- Mechanical LSU (J4 HTM)
- Easy settings on site thanks to the setting tool or thanks to the Situo Mobile io VB (J4 WT)
- Electronic LSU (J4)

Easy integration:
- One of the shortest motor on the market
- Fast connection (plug and play) with Hirschmann plugs
- Already customised to suit the shape of boxes
- Choice for the length of the cable
- u & n headrail mounting
- Parallel wiring (J4 WT)
- Removable mushroom (J4 WT)
- 2D mushroom for protection in case of false / inversed installation (the mushroom works as well in up as in down position) (J4 WT)

BENEFITS FOR END USERS

Simple, effortless comfort
- Move your EVB effortless and remotely thanks to the radio control (adding a Modulis Slim receiver)
- My function
- Safety stop (snow between slats, etc...)
- Compatibility with type 1, type 2 & type 3 EVB
- Interoperability with the io world
- End user Feed back
- Possibility to adjust the tilting position of the blind
- Operating through the Tahoma interface & Control via internet

TECHNICAL DATA

EVB Slim Receiver io	
Nominal voltage	230 V – 50Hz
Power supply tolerances	195,5 - 255 V
Number of wires of the cable (Main)	3 + earth
Number of wires of the cable (Motor)	4 + earth
Wire section	0.75 mm2
Protection against electric shock	Class 1

EVB Slim Receiver Variation io	
Degree of protection	I.P.54
Stand by consumption	1,1 W
Used position	Horizontal
Temperature working range	Storage: -30°C to +70°C Working: -30°C to +70°C
Weight (kg)	0.180

Ref	Description	
1811131 (unit) 1811273 (Pack 50)	EVB Slim Receiver Variation plug io	
1811132 (unit)	EVB Slim Receiver Variation cable io Without Hirschmann plug	

3.7 Controls for Residential Solutions

Control selection guide

		CONTROL	CONTROL + AUTOMATISME		CONTROL
					
Individual Control	Wall Switch	Inis Uno Ins Duo		Soliris Uno	Smoove 1 RTS
	Remote control				Telis 1 RTS
Room control	Wall Switch		Chronis Uno		Centralis RTS Centralis Uno RTS
	Remote control				Telis 4 RTS
House Control	Remote control				Telis 16 RTS

					
Sensors	Indoor			Sunis Indoor WireFree™ RTS	ThermoSunis Indoor WireFree™ RTS
	Outdoor	Eolis	Soliris	Sunis WireFree™ RTS	

RTS		WIRED TECHNOLOGY	io homecontrol®	
CONTROL + AUTOMATISME		**CONTROL**	**CONTROL + AUTOMATISME**	
				
		Smoove 1 io		
	Telis Soliris RTS			
Chronis RTS				
	Telis 4 Soliris RTS	Situo Mobile VB io Telis 1 io		Easy Sun io
Telis 6 Chronis RTS		Telis Composio io	Impresario Chronis io	

RTS	WIRED TECHNOLOGY	io homecontrol®	
			
Eolis RTS Eolis 3D WireFree™ RTS	Soliris RTS	Sunis WireFree™ io	Eois WireFree™ io

Controls for your comfort

Control you EVB from your sofa thanks to remotes

Get the best from your EVB thanks to the Telis Mod/Var RTS range!



Telis 4 Mod/Var Pure RTS
Ref. 1810765



Telis 4 Mod/Var Silver RTS
Ref. 1810663



Telis 4 Mod/Var Lounge RTS
Ref. 1810664



Telis 1 Mod/Var Pure RTS
Ref. 1810974



Telis 1 Mod/Var Silver RTS
Ref. 1810975



Telis 1 Mod/Var Lounge RTS
Ref. 1810976



Telis Mod/Var Soliris Pure RTS
Ref. 1810764



Telis Mod/Var Soliris Lounge RTS
Ref. 1810666



Telis Mod/Var Soliris Lounge RTS
Ref. 1810665

RTS
Radio Technology Somfy®



Telis Mod/Var RTS
Pure: Ref. 1810974
Silver: Ref. 1810975
Lounge: Ref. 1810976

Telis 4 Mod/Var RTS
Pure: Ref. 1810765
Silver: Ref. 1810663
Lounge: Ref. 1810664



Telis 16 RTS
Pure: Ref. 1811079
Silver: Ref. 1811080

io homecontrol®



Situo Mobile io VB
Pure: Ref. 1822368
Pearl: Ref. 1822369
Silver Mat: Ref. 1822370

Controls for your comfort

Control you EVB thanks to local control units

Control you EVB thanks to wall mounted units



Inis Uno VB
Ref. 1800003



Inis Duo VB
Ref. 1800000



Smoove 1 RTS
Pure shine: Ref. 1810873
Black shine: Ref. 1810902
Silver shine: Ref. 1810904



Smoove Origin RTS
Ref. 1811045



Smoove 1 io
Pure shine: Ref. 1811093
Black shine: Ref. 1811094
Silver shine: Ref. 1811095



Smoove Auto/Manu io
Pure shine: Ref. 1811101
Black shine: Ref. 1811102
Silver shine: Ref. 1811103



Smoove Origin
Ref. 1811121

Upgrade your existing installation for more comfort



Centralis Uno RTS VB
Ref. 1810259

Control you EVB thanks to your phone, computer or tablet



TaHoma Box
Ref. 1811150
TaHoma Liberty Pack
Ref. 1811190

Controls for energy savings

Save energy and have a better thermal comfort in summer thanks to sun sensors

WIRED TECHNOLOGY



Chronis Uno Easy
Ref. 1805122



Horloge Chronis Uno
Ref. 1805021

RTS
Radio Technology Somfy®



Telis Mod/Var Soliris RTS
Pure: Ref. 1810764
Silver: Ref. 1810666
Lounge: Ref. 1810665



Telis 6 Chronis RTS
Pure: Ref. 1805209
Silver: Ref. 1805210



Chronis Easy RTS
Ref.1805126



Sunis Wirefree RTS
Ref. 9013075

io homecontrol®



TaHoma Box
Ref. 1811150
TaHoma Liberty Pack
Ref. 1811190



Easy Sun io
Pure: Ref. 1818216
Pearl: Ref. 1818217
Silver mat: Ref. 1818218



Sunis WireFree™ io
+
Sensor Box io
Ref. 1818246

Controls for security

Protect your home against robbers thanks to scenarios and central locking



Chronis Uno Easy
1805122



Telis 16 RTS
Pure: Ref. 1811079
Silver: Ref. 1811080



Telis 6 Chronis RTS
Pure: Ref. 1805209
Silver: Ref. 1805210



Telis Composio io
Pure: Ref. 1810752
Pearl: Ref. 1810753
Silver Mat: Ref. 1810754



Impresario Chronis io
Pure: Ref. 1810758
Pearl: Ref. 1810759
Silver Mat: Ref. 1810760

Controls for security

Protect your EVB against wind damages



Eolis
Ref. 9101479



Soliris
Ref. 9154080



Eolis RTS
Ref. 9154224



Soliris RTS
Ref. 9154210



Eolis WireFree™ io
Ref. 1816084

PART 4
Accessories

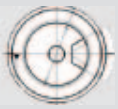


4.1 Shaft adapters

Shaft adapters without screw

Hexagonal	9014163	9014164	9014165	9014166	9014167	9014168	9014169	9014170
								
	6 mm	7 mm	8 mm	9 mm	10 mm	11 mm medium*	12 mm	13 mm

Square	9014175	9014176	9014177	9014178	9014179	9014180	9014331
							
	7 mm medium*	8 mm	9 mm	10 mm	11 mm	12 mm medium*	12 mm short*

Round groove	9014171	9014172	9014173	9014174
				
	14 x 60°x 4	14 x 3.7 medium*	14 x 60°	12 x 80° x 2.4

9014242	9014404
	
Axial screw	Radial screw

Shaft adapters with screw

Square	9014324	9015452	9016936
			
	7mm with HC M5 x 5 screw medium*	12mm with HC M5 x 5 screw medium*	12mm with HC M5 x 16 screw medium*

Round groove	9014321	9017697
		
	14 x 3,7 + HC M5 x 5 screw	14 x 3.7 + HC M5 x10 in the groove

Shaft adapters lenght:
No indication: 42mm
(*) Medium: 37 mm
(*) short: 29 mm . Only for 6 and 10Nm motors

HOME MOTION by somfy

4.2 Cables, plugs & setting tool

Motor cables

		0.5 m	0.9 m	3 m	10 m	15 m
	STAS 3	9014181	9014182			
	STAS 4	9014580				
	Without plug		9014184	9016078	9015463	9017947

Hirchmann plugs

	Product	Reference
	STAK 3 male plug	9014185
	STAS 3 female plug	9014186
	STAK 4 male plug	9014187
	STAS 4 female plug	9013713

	Product	Reference
	Clip for STAS 3 plug	9014773
	Clip for STAS 4 plug	9014774
	Kit cable dis-mantling tool	9017811

Setting tools

	Product	Reference
	Setting tool kit Europe	9015971
	Setting tool kit Swiss	9016772

4.3 Headrail adapters

	Product	Reference
	HD 57 x 51 External headrail clip	9000990
	HD 57 x 51 Internal clip (Up to 10 N.m.)	9014216
	STOMA 58 x 56 External headrail clip	9014217
	SCHENKER 78 x 67 External headrail clip	9014218
	HD & STOMA 57 x 51 External headrail clip	9014215
	GRIESSER 65 x 64 External Headrail clip	9001104
	SCHENKER 78 x 68 J 418 Headrail clip + Screw	9015070 + 9015071
	SCHENKER 78 x 67 Headrail adapter	9014686
	GRIESSER 66 x 65 Headrail adapter Stator 18 Nm	9014949
	GRIESSER 66 x 65 Headrail adapter LSU 18 Nm	9014236
	GRIESSER 66 x 65 Headrail adapter Stator 6/10 Nm	9018037
	GRIESSER 66 x 65 Headrail adapter LSU 6/10 Nm	9018039

	Product	Reference
	Long acoustic tape 235 mm	9017419

	Product	Reference
	SCHENKER Mod/Var Slim receiver clip for 78 x 67 hea- drail (Schenker)	9015065
	STOMA Mod/Var Slim receiver clip for 58 x 56 headrail (Stoma)	9015069

HOME MOTION by somfy.

4.4 Mushrooms

Mushroom types and option J4 1TN / 2TN

	Product	Reference
	Adjustable mushroom extension	9014158
	Mushroom extension (up to 3)	9014159
	Mushroom black cover	9014160
	Pipe for 3 mushroom extensions	9014229

Catalogue version:





1TN with adjustable mushroom



1TN with adjustable extension and mushroom extension

Mushroom types and option J4 HTM

	Product	Reference
	Mushroom extension (only for long mushroom)	9014159
	Cover black	9014160



HTM standard with short mushroom (extensions not compatible)



HTM with long mushroom & extensions

Mushroom types and option J4 WT / RTS / io

	Product	Reference
	2D mushroom	9015911
	Extension	9017755
	Extension kit	9017754
	Extension straight equipped	9018035
	Extension angle equipped	9018036

Catalogue version:





Can be plugged on each side



WT with extension



WT with extension kit

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Communication tools **for internal**

EVB tools



J4 io launching kit with internal & OEM/assemblers PPT presentations



J4 RTS launching kit with internal & OEM/assemblers PPT presentations



EVB Reference Book



EVB pocket guide



The EVB world training

Others Home & Building tools



Patio References Book



Shutter References Book



Controls References Book

Communication tools **for external**

EVB - BtoB tools



J4 RTS sheet



J4 RTS Leaflet dedicated to OEM



J4 io Leaflet dedicated to OEM



EVB slim receiver Variation io

BtoC tool



Home Motion guide

Our team is present for you...

If you have a question or need some help, please feel free to contact:

- **For market & product questions or requests:**
  Olivier Miesch, Product Line Manager

- **For technical information:**
  Silvere Jamain, Product Technical Manager

- **For quality subjects:**
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