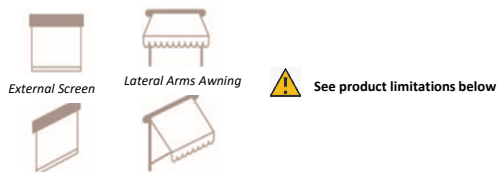


Application scope



Main functionalities

- End limits settings (Manual or semi-auto mode)
- Soft start and soft stop
- Star Head
- Automatic storage mode
- Adjustable threshold of cassette closure (3 levels)
- Activable Back release
- Activable Back Impulse from 0 to 180°
- Obstacle detection (Via ABS wheel in down movement)
- Automatic fabric's length compensation
- Adjustable behavior at Up end limit

Specifications

Electrical	
Cable type	H05VVF
Wire section	4x 0,75 mm²
Insulation class	Class III
Standby consumption	60mWh/day

Performance	
Index protection rating	IP44
Type of limit switch unit (LSU)	Electronic limit switch unit
Minimum time between limits	4 seconds
Capacity of memory	9 transmitters, 3 sensors
Internal minimum rolling tube Ø	47 mm
ESD reinforced immunity	Air: up to 20kV - Contact: up to 20kV
End limit position repeatability	Class 2 acc. To standard EN13561 (± 5°)
Life time (At nominal torque)	10000 cycles (At variable temperature from -20°C to 70°C)

Noise level	According to SOMFY measures (for information only). Worse value: in load up direction during 10 seconds
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End product standard	EN13561
Motor standard	EN60335-2-97
Solar panel & Battery compatibilities	5180272 : SOMFY SOLAR COMPATIBILITY MATRIX

Temperature

Normal temperature operating range -10°C...+50°C

Exceptional temperature operating range (20% of life time) -20°C...+70°C

Radio

Radio frequency 868,25 - 868,95 - 869,85 Mhz (tri band)

Radio protocol io-Homecontrol

Radio range for European remotes 200m free field

20m through 2 concrete walls

Antenna / Radio performance
To ensure the best radio performance of the system, it is recommended to position as far as possible the antenna not in contact with metallic part, away from the battery power cable, and close to the screen opening.

Remote control compatibility LPM V2 (250 ms)

Sensors

Default Sun Threshold 41,7klx

Default Wind Threshold 49 km/h

Approvals

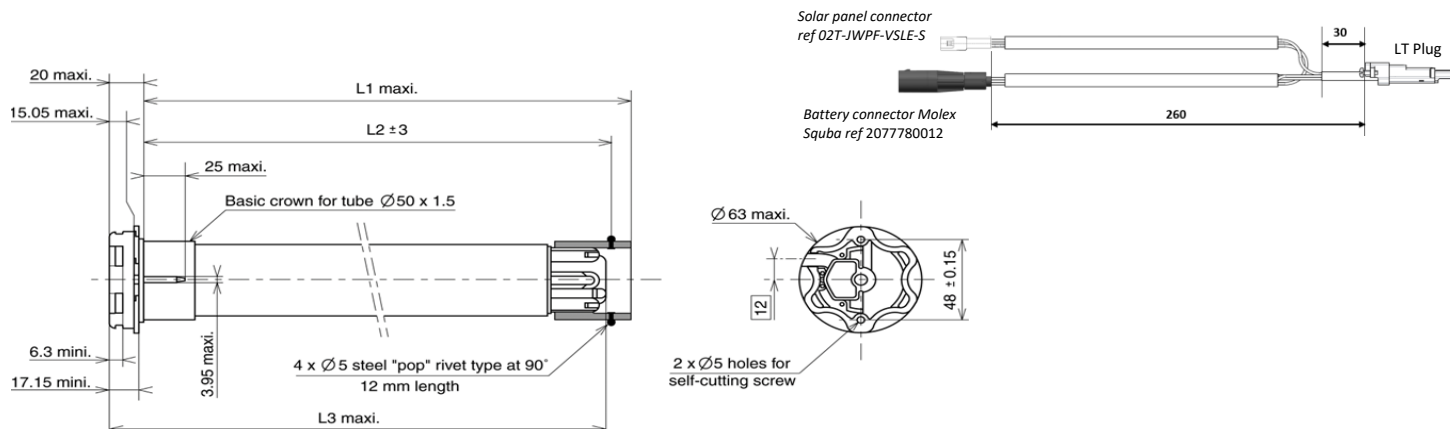
<https://www.somfy.com/ce/en-en/>

Range

Unit	N.m	rpm	V			mm	mm	mm	mm	W	A	min	Kg	DbA
Designation	Nominal Torque	Nominal Speed	Power supply			L1	L2 ±1	L3 max	Tube	Rated power*	Rated current*	Operating Time	Weight	Noise*
			Nominal	min	max									
ALTEA 50 SOLAR IO 6/14	6	14	9,6	7,2	12	448	433	460	388	17	1,9	5	1,285	62
ALTEA 50 SOLAR IO 10/14	10	14	9,6	7,2	12	448	433	460	388	26	2,7	5	1,285	62
ALTEA 50 SOLAR IO 15/14	15	14	12	9	15	448	433	460	388	35	3,1	5	1,29	65

* Max level at nominal torque & room temperature (25°C)

Drawing



Limitations

* If a peak of torque is present during the upward movement, it could be interpreted as an obstacle, excluding some kind of specific end products from the application perimeter