



17/12/2019

ALTUS RS 50 IO RANGE 1 TECHNICAL DATA SHEET

DOC137701 001

| | |
|---|---|
| Type of head | Star Head |
| Nominal voltage | 230 V - 50 Hz |
| Power supply tolerances | 205-255 V AC (This motor doesn't work under 185V) |
| Thermal time | 4 minutes |
| Number of wires of the cable | 3 |
| Wire section | 0,75 mm ² |
| Type of limit switch unit | Electronic |
| Capacity of the LSU | 241 turns |
| Repeatability | < ± 5° |
| System of protection | IP 44 |
| Interface drawings | Screw implantation for LT50 mounting 206810-Wheel interface LT50 206821-Crown interface LT50 206822-Interface drawing star head LT50 and LT50PA/PS 206823 |
| Radio frequency | 868-870 Mhz (tri band) |
| Coding | Code with a minimum of 2 ⁴⁸ possibilities |
| Capacity of memory | Maxi 9 for 1W transmitter - infinite for 2W transmitters |
| Antenna | Integrated |
| Range | 20 m with 2 reinforced concrete walls to be passed through Possibility to enhance radio range thanks to a Repeater |
| R&TTE (Radio Equipement and Telecommunications Terminal Equipement Directive) | http://www.somfy.com/ce/index.cfm |
| Safety Security | http://www.somfy.com/ce/index.cfm |
| Electromagnetic compatibility | http://www.somfy.com/ce/index.cfm |
| Radio frequency | http://www.somfy.com/ce/index.cfm |
| Principle | The principle of the Altus RS io is to motorize standard rolling shutter with the io-Homecontrol protocol |
| Basic crown for tube Ø | 50 x 1,5 mm |
| Temperature working range | 80% of life time between -10°C to +40°C 20% of life time between -20°C to +70°C |

| Designation | Nm | rpm | Reference | mm | mm | mm | W | A | kg | mm | °C | Brake type | dBA | mm | µF |
|----------------------|----------------|---------------|-----------|---------|------------|---------|-------------|---------------|--------|------|------------------|------------|-------|--------|-----------|
| | Nominal torque | Nominal speed | | L1 max. | L2 (±3 mm) | L3 max. | Rated power | Rated current | Weight | tube | Thermal tripping | | Noise | Stator | Capacitor |
| ALTUS RS 50 io 6/12 | 6 | 12 | 5130282 | 555 | 540 | 563 | 90 | 0,4 | 1,94 | 490 | 140 | Sliding | 46 | 30 | 2,5 |
| ALTUS RS 50 io 10/12 | 10 | 12 | 5130284 | 555 | 540 | 563 | 90 | 0,4 | 1,94 | 490 | 140 | Sliding | 45 | 35 | 3,3 |
| ALTUS RS 50 io 20/12 | 20 | 12 | 5130291 | 605 | 590 | 613 | 140 | 0,65 | 2,23 | 540 | 150 | Sliding | 48 | 55 | 4,5 |
| ALTUS RS 50 io 30/12 | 30 | 12 | 5130293 | 605 | 590 | 613 | 160 | 0,75 | 2,38 | 540 | 150 | Sliding | 55 | 70 | 5,5 |
| ALTUS RS 50 io 40/12 | 40 | 12 | 5130295 | 655 | 640 | 663 | 240 | 1,1 | 2,75 | 590 | 150 | Sliding | 55 | 100 | 7 |
| ALTUS RS 50 io 50/12 | 50 | 12 | 5130318 | 655 | 640 | 663 | 240 | 1,1 | 2,585 | 590 | 150 | Sliding | 55 | 100 | 7 |

* Non resetable thermal protector

| | |
|---------|----------------|
| Neutral | Blue |
| Live | Brown |
| Earth | Green / Yellow |

