Oximo 2 WT
TECHNICAL DATASHEET

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Application scope


Renovation Rolling Shutter


Combined Window Shutter


Wall Integrated Rolling Shutter


Asymmetric Rolling Shutters*

*Only manual end limit


Wall Integrated Shutters Wo tunnel box



Main functionalities

- Plug & Play
- WT technology
- Star head / Thin head / Round head
- Pluggable cable
- Parallel wiring
- Obstacle detection
- Protection against freezing
- Back release
- Not compatible ABS wheel

Not compatible with differential

Specifications

Electrical

Nominal voltage	230V / 50Hz
Power supply tolerance	195,5V - 255V
Cable lenght	1m,3 m
Cable type	VV F, RR F
Wire section	4 x 0,75 mm²
Insulation class	Class I
Standby consumption	0,294W max

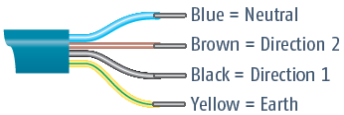
Temperature

Normal temperature working range	-20°C +70°C
Temperature storage range	-20°C +80°C

Performance

Index protection rating	IP44
Type of limit switch unit (LSU)	Electronic limit switch unit
Thermal time	4 min
Maximun time of functionning without stop	3 min
Minimum rolling tube Ø (ext)	50
ESD reinforced immunity	Air: up to 15kV - Contact: up to 8kV
Repeatability	Stop always at the torque detection limit for nominal torque ≤ 15 N.m & less <± 15° for nominal torque ≥ 20 N.m
Life time (At nominal torque) on end-product	14 000 cycles
Noise level (*)	Measured at nominal torque in up direction According to SOMFY measures (for information only). Max value : in load up & down direction during 10 seconds.
End product standard	EN13659 / EN14202
Motor standard	EN60335-2-97
Type of adjusting of the end limits	Self detection of rotation and Automatic adjustement dedicated for Roller shutter with rigid lings and stoppers - Half automatic - Manual setting from switch or setting tool
Min. pause between clockwise and anti-clockwise actuation	500 ms
Starting reponse time	500 ms max

Wired Technology



Cable weight	1m =0,1 Kg	3m = 0.25 kg

Approvals

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

Building Management System

Use cable ≤ 50 m between drive and drive controller.
- The power supply MUST be connected only after the installation of the drive.
- Do not connect the drive to an isolating transformer.
- Do not use mains disconnection devices in conjunction with a drive.
- Use only mechanical switches or electro-mechanical switches (ex: relays) to control drives. The contacts of the relays must not be bypassed by capacitors.
- In user mode, do not use electric switches allowing simultaneous up or down contact.
- The drive must not be driven by a solid-state relay or triac relay.
- Always refer to the control system instructions to do the proper wiring.
- For control systems using an «automatic running time recognition procedure», please consider the recommendations given by the producer of the controller: the neutral wire of the controller has to be connected to the neutral wire of each drive.
- Set the minimum time between the up and down directions to 500 ms.
- The drive can be wired in parallel. In this case take in consideration the maximal load of the switch/controller used (starting current peak of the drive : 3A in the first 3 ms).

Range

Unit	N.m	rpm	mm	mm	mm	mm	W	A	°C	Kg	dBa
Designation	**Nominal Torque**	**Nominal Speed**	**L1**	**L2** (±3 mm)	**L3**	**Tube**	**Rated power***	**Rated current***	**Thermal tripping**	**Weight ****	**Noise**
OXIMO 2 WT 6/17	6	17	555	540	563	490	90	0,4	140	1,72	50,2
OXIMO 2 WT 10/17	10	17	555	540	563	490	120	0,5	140	1,85	51,3
OXIMO 2 WT 15/17	15	17	605	590	613	540	140	0,65	150	1,95	51,8
OXIMO 2 WT 20/17	20	17	655	640	663	590	160	0,65	150	2,15	57
OXIMO 2 WT 30/17	30	17	655	640	663	590	240	1,1	150	2,55	58,8
OXIMO 2 WT 40/17	40	17	675	660	683	610	270	1,2	140	2,8	60,6

* At nominal torque & room temperature (25°C) ** without cable

Drawning

STAR HEAD

Direction 2	Brown
Direction 1	Black
Neutral	Blue
Earth	Yellow / Grey

