TECHNICAL DATA SHEET

17 - 09 - 2010	SDEV-FICA 138R2 Old ref : LW25 DMKI-FPTER1

designation	**LW 25 B44 & LW 25 B83**
range	**Motor**

FUNCTIONS

The LW 25 B44 and LW 25 B83 are double output shafts motors, with integrated overtorque limiter, integrated brake & shaft play equalizer

TECHNICAL SPECIFICATIONS	Units	LW 25 B44	LW 25 B83
Nominal load torque*	**(Nm)**	**0.4**	**0.8**
Nominal stall torque*	**(Nm)**	**0.75**	**1.1**
Maximum stall torque (during 80ms max)	**(Nm)**	**2.5**	**2.5**
Average speed at nominal load (way Up)*	**(r.p.m)**	**40**	**30**
Average speed no load (way Up & Down)*	**(r.p.m)**	**50**	**50**
Maximum continuous current consumption	**(A)**	**0.3**	**0.47**
Maximum starting up current consumption (during 90ms max)	**(A)**	**0.9**	**0.97**
Maximum stall current consumption (during 75ms max)	**(A)**	**1.1**	**1.2**
Motor nominal supply voltage	**(Vdc)**	**24**	**24**
Motor maximum supply voltage	**(Vdc)**	**27**	**27**
Motor minimum supply voltage	**(Vdc)**	**20**	**20**
Maximum off center possibility of output shaft	**(mm)**	**+/- 0.7**	**+/- 0.7**
Maximum running time in blind	**(min)**	**7**	**7**
Dielectric strength with a Safety Extra Low Voltage		**III**	**III**
Standards		**CE**	**CE**
Supply cable type	**(mm^2)**	**2 x 0.25**	**2 x 0.25**
Approx. weight	**(g)**	**195**	**195**
US Patents numbers **For other countries, please contact us for the patent numbers**		**US 5.857.553** **US 5.847.915**	**US 5.857.553** **US 5.847.915**

* Under 24Vdc regulated power supply at 20°C

WARNINGS

- For interior use only. Strictly forbidden for sealed glass applications
- Somfy requires to use LW25B44 & LW25B83 motors with 24 Vdc regulated power supply only
- Somfy recommands to place the motor in the center of the headrail (maximum split of CTS25 or lift and tilt accessories : 2/3 - 1/3)

WORKING TEMPERATURE & MAXIMUM NUMBER OF CYCLES (EN14202 - Classe 2)

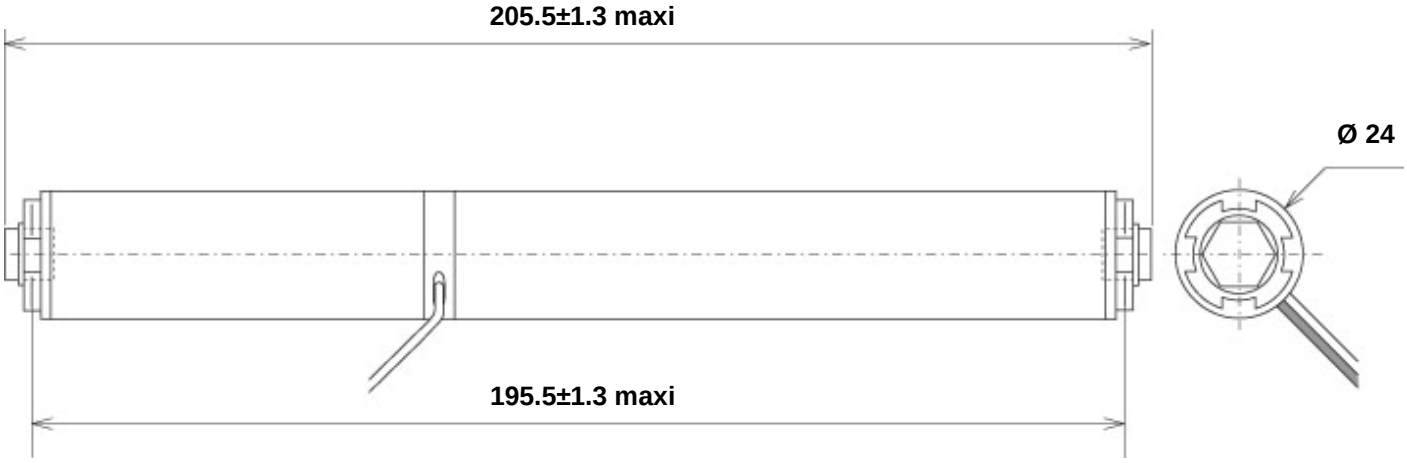
From -10℃ (14℉) till 60℃ (140℉): 5 000 cycles*

Restriction : from -10℃ (14℉) till 0℃ (32℉): 10 0 cycles* - Nominal performances not guaranteed

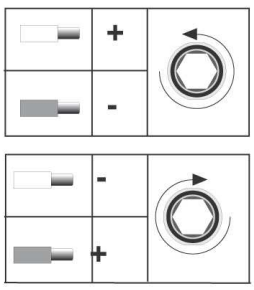
Maximum of slats tilting: 10 000

** 1 cycle = 1 up/down movement of 2m height for a blind equipped with CTS25*

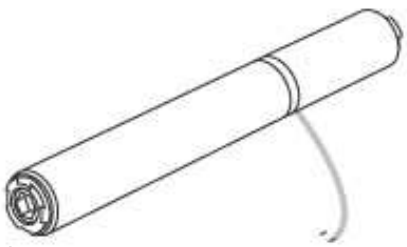
DIMENSIONS & WIRING



For Gearbox A



Gearbox B



Gearbox A