

Linear Actuator for Solar Energy

FEATURES

1. 24 V DC permanent magnetic motor
2. Force 7.5 kN (7.000 cycles)-15 kN (800 cycles)
3. Static holding force up to 45 kN* in push and pull
4. Dynamic wind stress forces 15 kN push/pull 80.000 times
5. Max. speed 3,2 mm/sec.
6. Stroke length 500, 750 and 1000 mm
7. Heavy duty aluminum housing for harsh conditions
8. Highly efficient acme thread spindle
9. Protection class: IP66 for outdoor use (dynamic)
10. Hand crank for manual operation
11. Integrated brake, high self-locking ability
12. Typically end-play from outer tube to ball rod eye is 0,4 to 0,8 mm, expected extra play after 10 years+ 0.4 mm
13. Non-rotating piston rod eye , Embedded electronics and feedback, e.g. HALL pulses or MODBUS RTU
14. Ball rod eye
15. Noise level: 73 dB (A) measuring method DS/EN ISO 8746 actuator not locked
16. 5 years warranty

OPTIONS

- Built-in end stop switches
- Hall effect sensor with A/8 -signal
- Exchangeable cables in different lengths

USAGE

Duty cycle at max. load 12% at -30°C to+ 70°C

Ambient operating temperature and full 15 kN performance from -30°C to+ 70°C

Ambient temperature and full kN performance with MODBUS actuators +5°C to 40°C

SPECIFICATION

Voltage	:	24VDC
Speed without load	:	3.3mm/s + 10%
Current without load	:	2.4A
Speed with load	:	2.7mm/s+ 10%
Current with load	:	512A
Stroke	:	500/750/1000
Min retracted length	:	142/232/330
Limit Load	:	15000N
Front attachment	:	ct>20 Rod end joint
Rear Attachment	:	M8*12L
Cable	:	2 Core 15AWG, black
Cable length	:	600/1000/1500/2000(mm)
Plug	:	Optional-customer
Limiting Device	:	Demand Limit switch
Potentiometer	:	Optional



Code	Stroke (MM)	Minimum retracted length (MM)	Total length L (MM)	Max. load Push/Pull N	Self-lock Push/Pull (N)	Speed (MM/S)		24V amp (A)	
						no load	Full load	no load	Full load
OIHBA18-A	500	142	847	15000	45000	3.3	2.7	≤2.4	≤12
OIHBA18-B	750	232	1097						
OIHBA18-C	1000	330	1347						

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