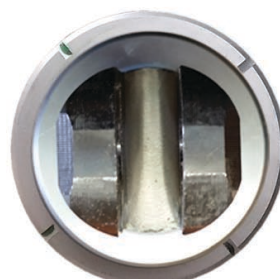


SOLAR LINEAR MOTOR - ACTUATOR

Solar Linear Motor - Actuator SM4S510M2NC



Mechanical Capabilities

Construction material of linear motor	Stainless steel tubes and spindle and high carbon steel
Spindle type and material	ACME stainless spindle
Stroke lenght	510 mm
Max. static load	340 kgf
Dynamic load capacity	220 kgf
Rod end type	Rodend with groowe 12mm and hole dia. 10mm
Speed at no load	1,5 mm/s at no load
Resolution	265,33 pulses/mm
Backlash	max 0,15 mm optionally possible less

Electrical Data

Motor power supply	24VDC +/- 15% 2A (2,5A current capability) (In rush 300% on Max. current or softstart)
Backup battery	/
Turning time interval	/
Power consumption in operation	Rated 36W at 20% duty cycle
Standby consumption (when is not moving)	/
Electrical connections	Typical 2x1 mm ² + 5x0.22mm ² (Hole size on connector 1.5mm ²)

Environmental Data

Operating temperature	-25°C to +70°C (optionally with artice grease for teperatures from -40°C up to +70°C)
Operation at humidity	0% to 100%, relative humidity

Corrosion, weather and chemical resistance

Corrosion Protection	PLASOX® plasmanitriding with subsequent oxidation, corrosion resistant material, stainless steel
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Packaging

Dimensions of a packed product	1box of 1000(L) x 80(W) x 60(H) mm
Product weight	4.94 kg + 1 kg box weight

Quality Certificates

International Protection Rating (IEC 60529)	IP63
Electromagnetic Compatibility (EMC Directive 89/336/EEC)	Yes
Low Voltage Equipment Directive (EEC Council Directive 73/23/EEC)	Yes

Optional Properties

Heliostat usage	Yes
CPV usage (concentrated PV usage)	Yes, all types including round parabolic ***
Guarantee time	2 years as standard, 5 years for +20% *** 10 years for +35% ***

* NOTE: Lifetime of the brush in the motor is 30% shorter if motors don't have soft start

*** for additional payment

Model: SM4S510M2NC
Product code: 0077

- Mechanical Drawing

