

# SOLAR LINEAR MOTOR - ACTUATOR

## SM4S900M3C3 with Clamp C3



<b>Mechanical Capabilities</b>	
Construction material of linear motor	Stainless steel tubes and spindle and high carbon steel
Spindle type and material	ACME stainless spindle
Stroke length	900 mm
Max. static load	1500 kgf
Dynamic load capacity	800 kgf
Rod end type	Spherical bearing with hole dia. 12 mm with pivot angle of 13°
Speed at no load	2,33 mm/s
Resolution	188 pulses/mm
Backlash	max. 0,15 mm
<b>Electrical Data</b>	
Motor power supply	24VDC +/- 15% 4A (5A current capability) (In rush 300% on max. current or soft start)
Backup battery	/
Turning time interval	/
Power consumption in operation	Rated 36W, max. 100W at 20% duty cycle
Standby consumption (when is not moving)	/
Power supply connection	1 piece of 2 Wire Cable with an Internal Cu Conductor of 1,5 mm <sup>2</sup> (not included in kit)
<b>Environmental Data</b>	
Operating temperature	-25°C to +85°C (optionally with artic grease for temperatures from -40°C up to +85°C)
Operation at humidity	0% to 100%, relative humidity
<b>Corrosion, weather and chemical resistance</b>	
Corrosion Protection	PLASOX® plasmanitriding with subsequent oxidation
<b>Packaging</b>	
Dimensions of a packed product	1 box of 1600 (L) x 80 (W) x 80 (H) mm
Product weight	8,5 kg + 0,75 kg box
<b>Quality Certificates</b>	
International Protection Rating (IEC 60529)	IP33
Electromagnetic Compatibility (EMC Directive 89/336/EEC)	Yes
Low Voltage Equipment Directive (EEC Council Directive 73/23/EEC)	Yes
<b>Optional Properties</b>	
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% ***
<b>Type of Clamp</b>	
Clamp C3	



Model: SM4S900M3C3  
Product code: 0133

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

