Nimesis space

HARPER



SHOCKLESS AND RAPID HOLD DOWN RELEASE ACTUATOR

TRL 4
Qualification 2025

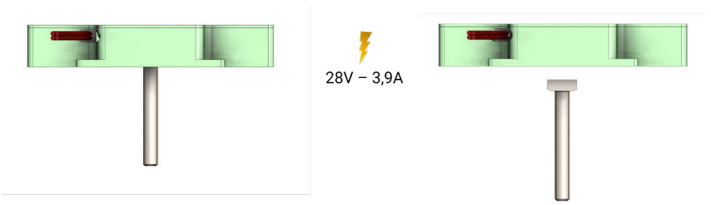
HIGH-PERFORMANCE SMART ACTUATOR FOR SPACE APPLICATIONS

- Reusable by user
- Low shock
- Lightweight
- Flat
- Compact
- Non explosive
- Reliable

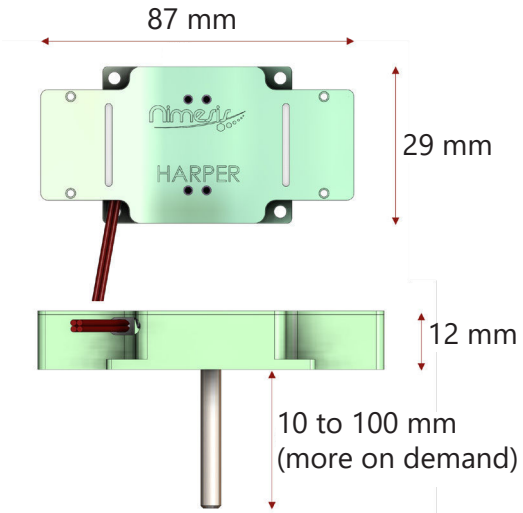
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DS-HA-01.03 Nimesis Harper datasheet 2025

ACTIVATION



DIMENSIONS

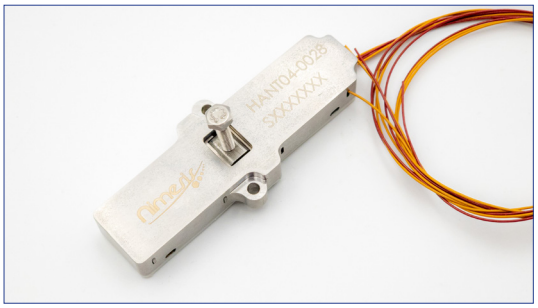


OVERVIEW

- Low shock actuation
- Compatible with a wide range of satellites and launchers
- No variation of size between armed and actuated position
- Operational temperature range from -120 to +80°C
  On demand up to -120°c to +120°C
- Reusable by user

FEATURES

- Preload up to 4 kN
- Actuation time <100 ms
- Redundancy of SMA/trigger
- Synchronisable with other Harpers <50 ms



TECHNICAL DATA

Customization on demand

	HANT04-0028	HANT20-0028
Maximal axial preload (N)	< 4 000 N	
Mass (g)	56	
Resettable In Situ	Up to 10 cycles	
Operational temperature range	[-120°C ; +80°C (up to +120°C on demand)]	under development
Actuation time	100 ms	
Voltage (V)	28V	
Current (A)	3.9	
Energy (J)	10.3	