

## SHOCKLESS AND RAPID HOLD DOWN RELEASE ACTUATOR

TRL 3

Qualification 06/2025

HIGH-PERFORMANCE SMART ACTUATOR  
FOR SPACE APPLICATIONS

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



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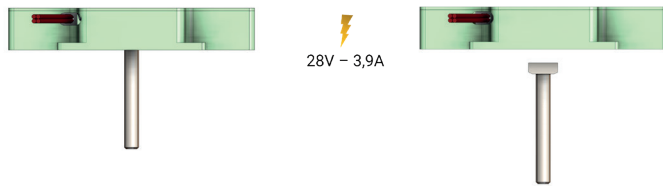


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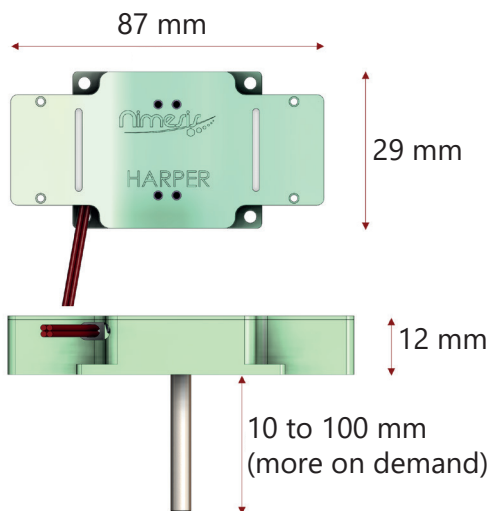


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## ACTIVATION



## DIMENSIONS



## TECHNICAL DATA

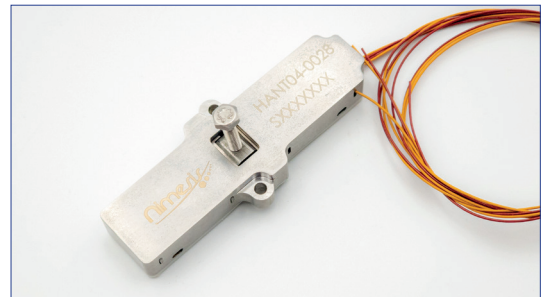
Customization on demand	
Maximal axial preload (N)	< 1 000 N
Mass (g)	56
Resettable In Situ	Up to 10 cycles
Operational temperature range	[-120°C ; +80°C (up to +120°C on demand)]
Actuation time	100 ms
Voltage (V)	28V
Current (A)	3.9
Energy (J)	10.3

## 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



**HARPER**



SCAN the QRcode to  
access our website