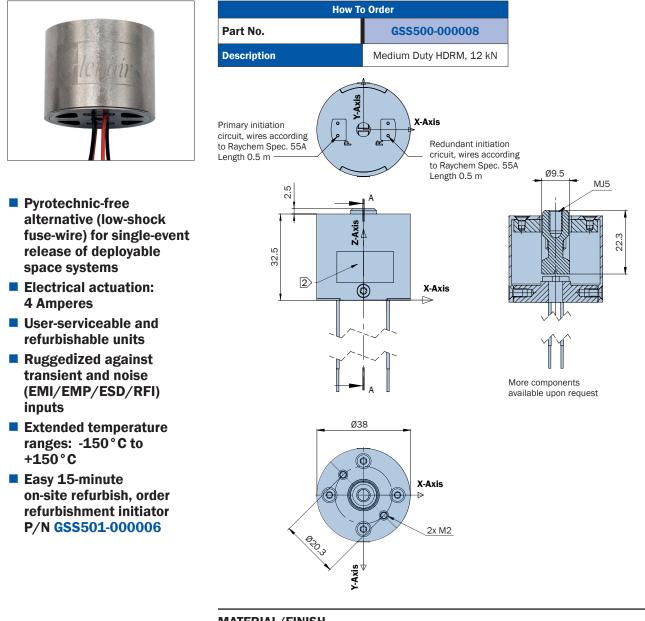
# Medium-Duty Hold-Down Release Mechanism

### **12 kN Release Preload** Electrically and Mechanically Redundant



### HOLD-DOWN RELEASE MECHANISM, MEDIUM-DUTY



#### MATERIAL/FINISH

Aluminium alloy, Stainless steel, Polyamidimid GF30%

#### NOTES

- Unit is identified with Glenair name, CAGE code, part number, and date code, space permitting. Primary initiation circuit identified with "P" and redundant with "R". See 2.>
- Release preload: 12 kN
- Full qualification pending expected capabilities shown next page are subject to change without notice

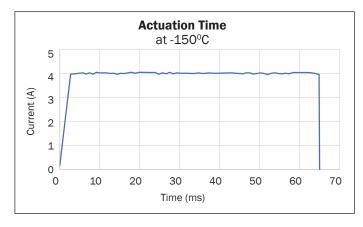
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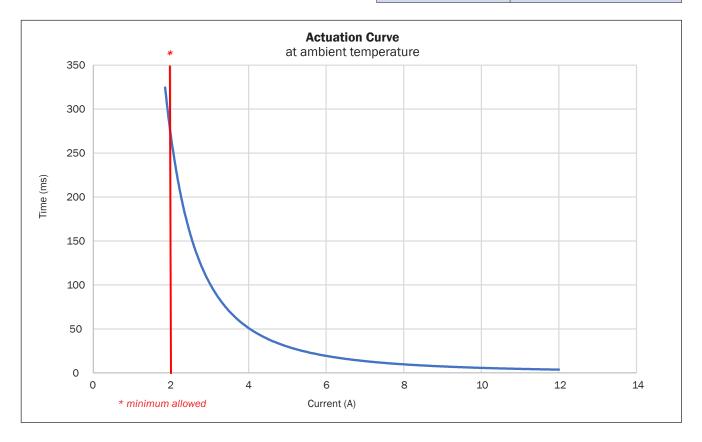
# Medium-Duty Hold-Down Release Mechanism







Expected Capability for GSS500-000008	
Nominal Preload	12 kN
Proof Preload	13.2 kN
Ultimate Load	>16.5 kN
Weight	Max 107 g with 0.5 m Harness
Electrical Resistance	0.3 - 2.0 Ω
Sine Vibration 3 orthogonal axes	25 g's
Random Vibration 3 orthogonal axes	50.9 g <sub>ms</sub>
Actuation Time	Max 70 ms @ 4.0 A at -150°C
Admissbile Shock Input	2849 g's at 5 kHz
Source Shock	Max 300 g's at nominal preload
Life Test	Mechanical components qualified for 10 times use with refurbishment initiators
Operating temperature range	-150°C to +150°C
Preload drop over 6 months	<3.0% loss at nominal preload
Allowable Angular misalignment	2°
Ероху	Outgassing requirements per ECSS





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