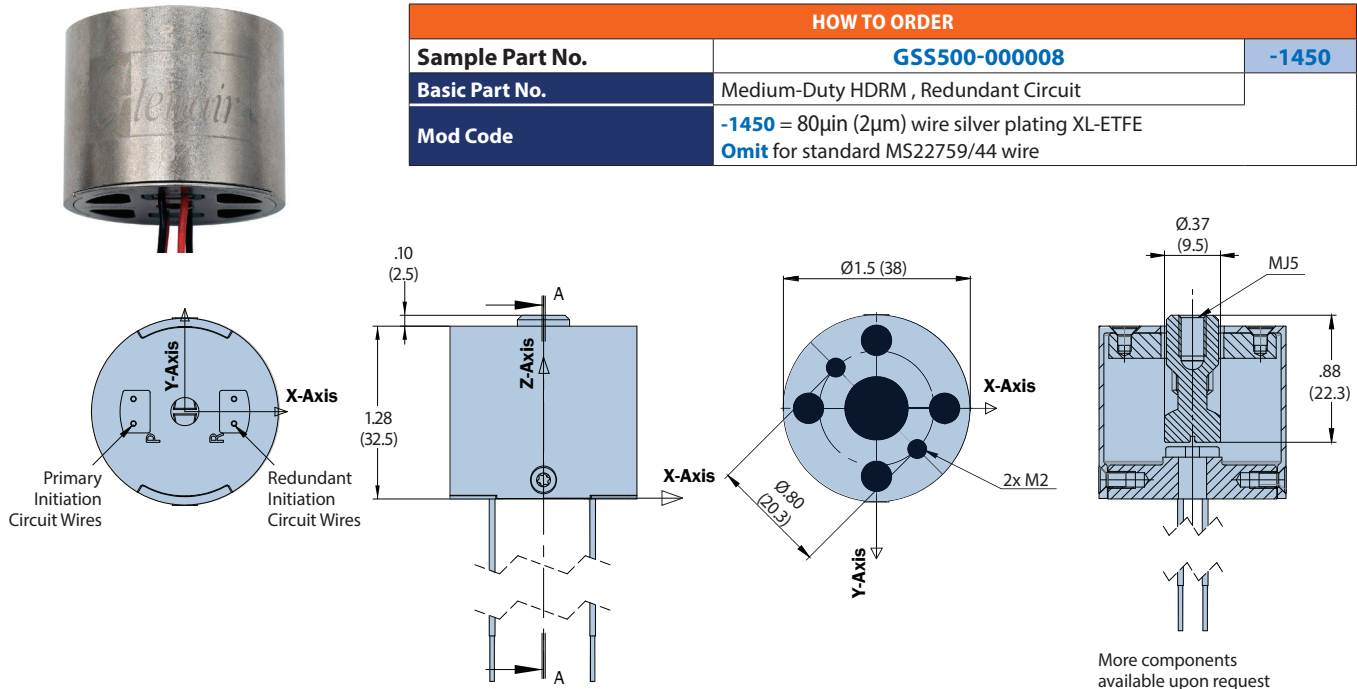


EU SERIES GSS Hold-Down and Release Mechanisms



GSS500-000008 Medium-Duty HDRM · Redundant circuit 12 kN release preload



FEATURES AND BENEFITS

- Redundant initiation: 2 initiation points
- Field refurbishable: Initiator can be replaced in less than 15 minutes by trained personnel
- Packaging: External housing typically supplied with two mounting points. Custom housings and mountings available
- Connectorization: Standard design supplied with wire inputs. Connectorized versions available.

MATERIALS/FINISH

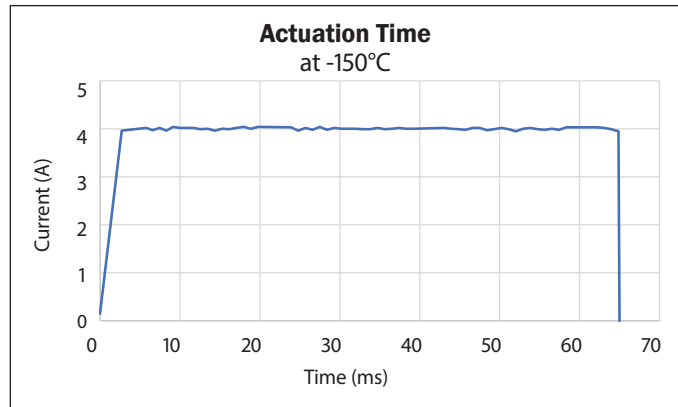
- Housing: Al Alloy / Electroless Nickel IAW AMS-C-26074
- Release Rod, Load Segments: Stainless Steel
- Insulator: Torlon
- Wire: GS22759-44 silver-plated XL-ETFE. Use Mod Code -1450 for Red Plague resistant 80µin (2µm) Ag plating.
- Initiation circuit wires supplied 50cm standard. Custom lengths are available, consult factory.
- Please contact the factory for the latest details and specifications when ordering.

EU SERIES GSS

Hold-Down and Release Mechanisms



GSS500-000008 Medium-Duty HDDRM · Redundant circuit
12 kN release preload



TECHNICAL DATA	
Tested Capability	
Nominal Preload	12 kN
Proof Preload	13.2 kN
Ultimate Load	>16.5 kN
Weight	Max 107g 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 grms
Actuation Time	Max 70 ms @ 4.0 A at -150°C
Admissible 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°
Epoxy	Outgassing requirements per ECSS

