

Medium-Duty Hold-Down Release Mechanism

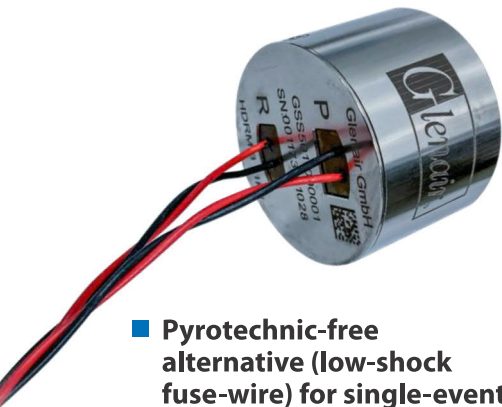
EU series

11kN release preload

Electrically and Mechanically redundant

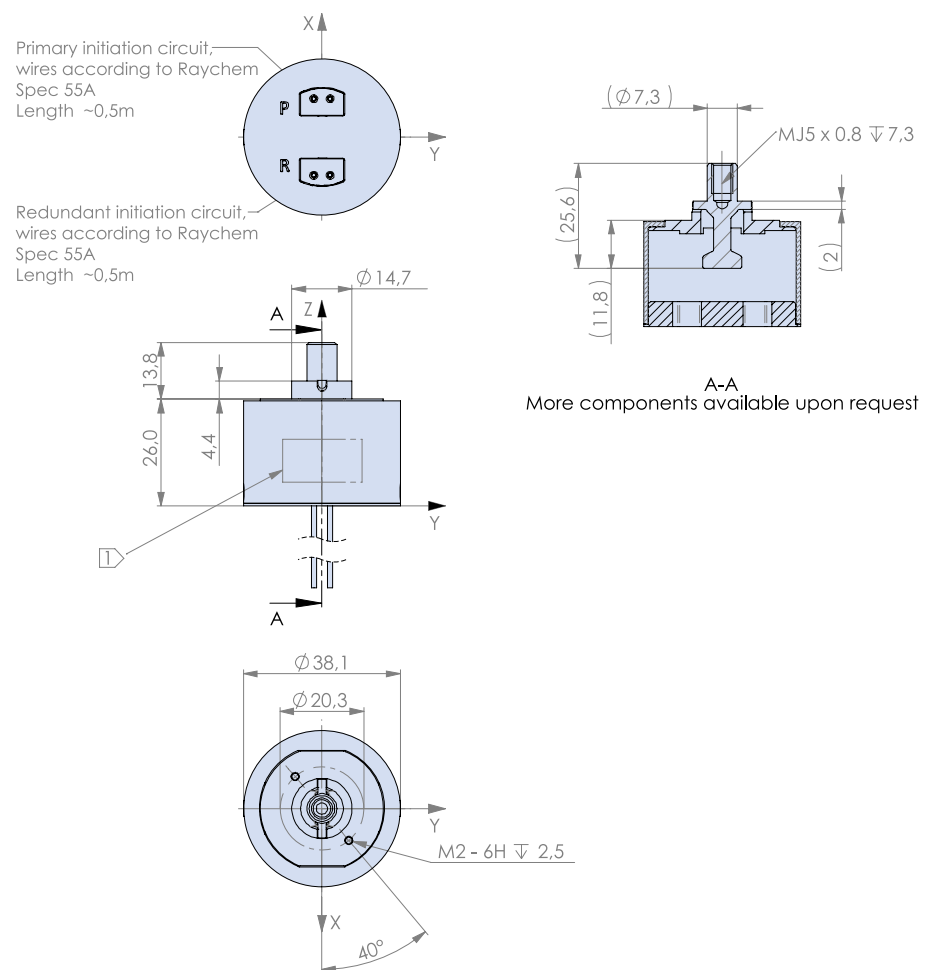


HOLD-DOWN RELEASE MECHANISM, MEDIUM-DUTY



- Pyrotechnic-free alternative (low-shock fuse-wire) for single-event release of deployable space systems
- Electrical actuation: 4 Amperes
- User-serviceable and refurbishable units
- Ruggedized against transient and noise (EMI/EMP/ESD/RFI) inputs
- Extended temperature range: -150°C to +150°C
- Easy 15-minute on-site refurbish, order refurbishment initiator P/N [GSS501-000001](#)

How To Order	
Part No.	GSS500-000001
Description	Medium Duty HDRM, 11kN



MATERIAL/FINISH

Aluminium alloy, Stainless steel, Polyamidimid GF30%

NOTES

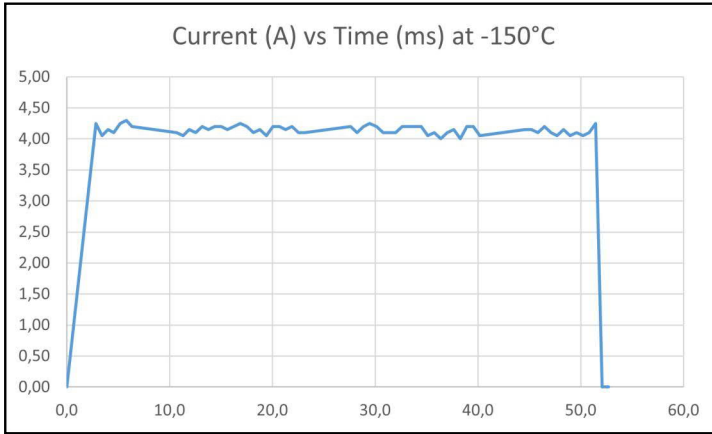
1. Unit is identified with Glenair name, part number, serial number and Primary initiation circuit identified with "P" and redundant with "R"
2. Release preload: 11 kN
3. Reference Glenair P/N [GSS501-000001](#) for refurbishment initiator



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Tested Capability for GSS500-000001	
Nominal Release Preload	11 kN
Proof Preload	12,1 kN
Ultimate Load	15,5 kN
Weight	84,9g with 0,5m Harness
Electrical Resistance	0,5 – 1,5 ohms max
Sine Vibration 3 orthogonal axes	25 G's
Random Vibration 3 orthogonal axes	50,9 G _{rms}
Actuation Time	Under 50 ms @4,0 Amps
Shock Input	2,849 G's
Source Shock	Under 300 G's @2,500 pounds
Life Test	10 refurbishments during qualification and an expected continued usage
Temperature	-150°C to +150°C released in a vacuum (1x10 ⁻⁵ hPa)
Extended Preload	<4.0% loss

