

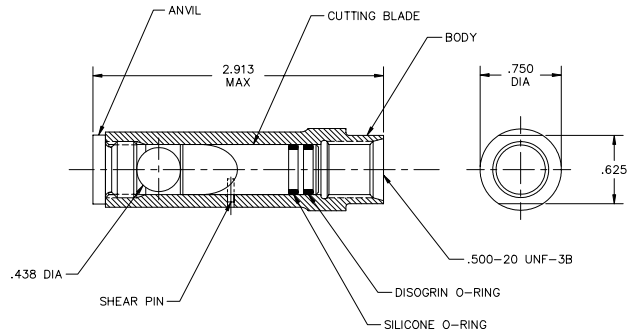


24225 GARNIER STREET • TORRANCE • CALIFORNIA 90505-5355 • U.S.A.
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CABLE & BOLT CUTTER	Datasheet Page 1 of 2	Orig. issue: 14JUN05 Rev. B: 20JUL06
DEVICE	Bolt, Rod, & Cable Cutter	DISPOSITIF
TYPE	Model SL 1063 - PN 9364221-1	REFERENCE
1. PERFORMANCES <ul style="list-style-type: none"> Standard material cutting NSI or PC-23 power cartridge with " T " booster PC-117 power cartridge Functioning time Hermeticity sealing Redundancy 	0.150 inch (3.8 mm)∅ titanium rod 0.205 inch (5.2 mm) ∅ steel cable 0.150 inch (3.8 mm) ∅ steel rod 0.190 inch (4.8 mm)∅ steel rod <10 ms (I= 5A) < 10 ⁻⁶ atm. Cm ³ / s (He) b.a.f Dual cartridges / single cartridge	1. PERFORMANCES <ul style="list-style-type: none"> Nature du matériau à couper Nsi or PC-23 cartouches de pression PC-154 cartouches de pression Temps de fontionnement Degré d'herméticité Redondance
2. MECHANICAL CHARACTERISTICS <ul style="list-style-type: none"> Weight – Cutter + Cartridge Electric connection <p style="text-align: center;">MATERIALS</p> <ul style="list-style-type: none"> Body Blade Hermetic seal (cartridge) <ul style="list-style-type: none"> Feed through Front 	104 g (PC117) 206 g ("T" booster) MS3116E8-2S / PC23 Stainless Steel 15-5 Stainless Steel Glass to metal seal	2. CARACTERISTICQUES MECANIQUES <ul style="list-style-type: none"> Masse – Cisailles + Cartouches De press. Connexion électrique <p style="text-align: center;">MATERIAUX</p> <ul style="list-style-type: none"> Corps Lame Herméticité (cartouches) <ul style="list-style-type: none"> Passage électrique Avant
FIXING MODE	Clamp or bolts	MODE DE FIXATION
3. ELECTRICAL CHARACTERISTICS <ul style="list-style-type: none"> Bridgewire number Bridgewire resistance Insulation resistance Leads resistivity Dielectric strength Static sensitivity <ul style="list-style-type: none"> All leads shorted to case Between leads 	1 1.05 ± 0.1 Ω > 1000 M Ω / 500 VDC > 100 μ A / 200 VAC 25 Kv / 500 pF	3. CARACTERISTIQUES ELECTRIQUES <ul style="list-style-type: none"> Nombre de ponts-fusibles Résistance du filament Résistance d'isolement Résistance des conducteurs Rigidité diélectrique Décharges électrostatiques <ul style="list-style-type: none"> Entre circuit et masse Entre fils
<p style="text-align: center;">CURRENT RATINGS</p> <ul style="list-style-type: none"> Nominal firing current All-fire current No-Fire current Safe no-fire current for testing 	> 5 A / 4 ms 3.5 A (R<0,999 95%) +77°F 1A/1W 5min (-165°F +165°F) < 10mA	<p style="text-align: center;">COURANTS LIMITS</p> <ul style="list-style-type: none"> Courant de mise à feu nominal Courant de feu 100% Courant maxi de non feu Courant maxi de contrôle



SL-1063 cutter



ISO 9001 A9813



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DEVICE	CABLE & ROD CUTTER		DISPOSITIF
4. PYROTECHNIC CHARACTERISTICS <ul style="list-style-type: none"> Initiator type Principal pyrotechnic load 	NSI / PC-23 /PC-154 (AR)/PC117 114 mg ZPP powder (PC23)		4. CARACTERISTIQUES PYROTECHNIQUES <ul style="list-style-type: none"> Type d'initiateur Charge pyrotechniques principale
5. ENVIRONMENTAL TEST SPECIFICATIONS <ul style="list-style-type: none"> Mechanical shock Acceleration Sinus vibration Random vibration Humidity Thermal shock Thermal vacuum Operating temperature Storage life 	100g 6 shock impacts /11ms 3axis 25 Hz 2g 28.15 grms 3 axes 5 min ea axis MIL-E-5277C Proc. 1 -134°F +160°F 20 cycles 1hr +160°F 1x10 ⁻⁶ Torr (650K alt) -134°F 1x10 ⁻⁶ Torr (96 hr) -134°F(-92°C) +160°F(+71°C) 10 years		5. RESISTANCE AUX CONDITIONS D'ENVIRONNEMENT <ul style="list-style-type: none"> Shocs mécaniques Accélération Vibrations sinusoïdales Vibrations aléatoires Humidité Chocs thermiques Vide thermique Températures de fontionnement Durée de stockage
6. DEVELOPMENT STATUS <ul style="list-style-type: none"> References: <ul style="list-style-type: none"> Development date Qualification test report Last verification of qualification date Flight applications: <ul style="list-style-type: none"> Projects Dates Users 	1987 US Satellites 1997 (PC23) US & European Satellites Landsat, ETS, DMSP, Tiros, DSCS, GGS, Mars observer. 1987 – present Alenia, GE/RCA, Lockheed-Martin		6. CONDITIONS DE DEVELOPPEMENT <ul style="list-style-type: none"> Références: <ul style="list-style-type: none"> Date du développement Rapport de qualification Contrôls de qualification ultérieurs Applications spatiales: <ul style="list-style-type: none"> Projets Dates Utilisateurs

CURRENT VS TIME
 IGNITION CURVE
 at 3.5, 5.0 and 22.0 Amps

