

REFERENCE SPECIFICATIONS

- MIL-DTL-24308
- IEC 352-5
- IEC-512 (TESTS PROCEDURE)

PHYSICAL CHARACTERISTICS

- INSULATOR MATERIAL:
- PBT COLOR BLACK-RAL 7001/STANDARD MATERIAL
- CONTACT MATERIAL: BRASS
- ACCESSORIES : BRASS

ELECTRICAL CHARACTERISTICS

- NOMINAL CURRENT: 2.5A
- CONTACT RESISTANCE : $<10m\Omega$
- VOLTAGE PROOF : >750 V.r.m.s.
- RATED VOLTAGE : 300 V.r.m.s.
- INSULATION RESISTANCE: $>5000M\Omega$
- CREEPAGE AND CLEARANCE DISTANCE: $>1mm$

MECHANICAL CHARACTERISTICS

- RETENTION AGAINST TORQUE:
 - Threaded insert: 0.7 N.m minimum
 - Female screw lock: 0.5 N.m minimum
 - Insert L: threaded M3
 - Insert X: threaded UNC 4.40
 - Female screw V threaded UNC 4.40
- INSERTION AND WITH DRAWAL FORCE: $<n \times 3.40$ N (n number of cts)
- GAUGE RETENTION FORCE : >0.20 N
- with gauge $\varnothing 0.99 \pm 0.005$ / SURFACE ROUGHNESS:
 - $Ra=0.10\mu$ mini- 0.25μ maxi
- CONTACT RETENTION IN INSULATOR : mini I6N
- VIBRATIONS: 10-500Hz / 1.5 mm - 10g / 3 HRS/axis according with MIL std 1344 meth.2005 cond 2 interruption $<1\mu s$

PERFORMANCE LEVELS

- INDUSTRIAL ATMOSPHERE TEST: 4 GASES available for contacts active area only

BATELLE TEST :

Duration : 10 days
Mixed Gases: $H_2S=10$ PPB ± 5 vol/vol + $N_2O=200$ ppb ± 50 vol/vol + CL_2
 $=10$ ppb ± 3 vol/vol + $S_2O=100$ ppb ± 30 vol/vol

CD62S9IC6GV00

Series

Layout of contacts

Contact definition:
S : socket

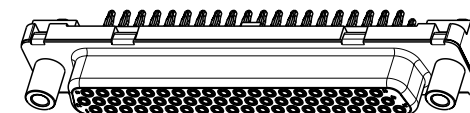
Foot print 6.00

Press-fit termination
(machined contact)

Plating definition :
4 Standard class > 200 mating/unmating
6 High performance class > 500 mating/unmating

Front accessories definition :
(see sheet 2)
GL : Harpoons + insert M3
GX : Harpoons + insert UNC 4-40
GV : Harpoons + female screw UNC 4-40

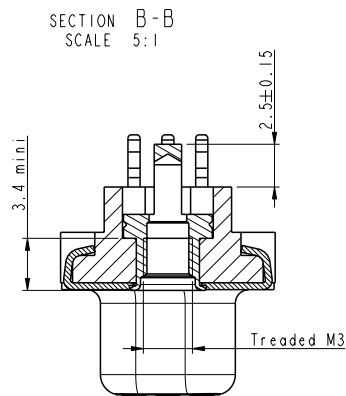
Non RoHS compatible



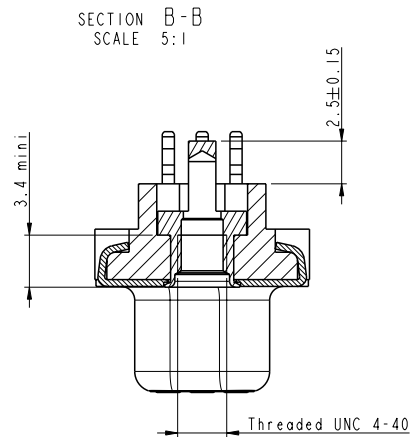
www.fciconnect.com				surface ISO 1302	tolerance std ISO 406 ISO 1101	projection mm		
				TOLERANCES UNLESS OTHERWISE SPECIFIED				
Dr	P. CRON	2006/10/11	2006/10/11	ANGULAR	0.X	± 0.3	size	Scale
Eng	M. PESSON	2006/10/11	2006/10/11	LINEAR	0.XX	± 0.1	A2	2:1
Chr	P. LEGARE	2006/10/11	2006/10/11	$\alpha^\circ \pm 2^\circ$	0.XXX	± 0.05	ECN	LS06-0160
Appr	P. LEGARE	2006/10/11	2006/10/11	Product family	D-SUB		Spec ref	
FCI				SOCKET COMPACT D 62		dag no	C01-8646-0689	Rev.
				WHITH STRAIGHT PRESS-FIT				C
				catalog no			sheet 1 of 3	



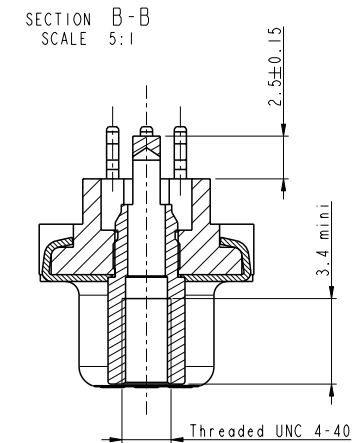
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FRONT ACCESSORIES	GL	Insert M3
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FRONT ACCESSORIES	GX	Insert UNC 4-40
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FRONT ACCESSORIES	GV	Female screw UNC 4-40
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Tin lead version

PART NUMBER	FRONT ACCESSORIES	PCB ACCESSORIES
CD62S91C4GL00	INSERT M3	HAPOONS PCB to 1.6mm at 3.2mm
CD62S91C4GX00	INSERT UNC 4-40	HAPOONS PCB to 1.6mm at 3.2mm
CD62S91C4GV00	FEMALE SCREW UNC 4-40	HAPOONS PCB to 1.6mm at 3.2mm
CD62S91C6GL00	INSERT M3	HAPOONS PCB to 1.6mm at 3.2mm
CD62S91C6GX00	INSERT UNC 4-40	HAPOONS PCB to 1.6mm at 3.2mm
CD62S91C6GV00	FEMALE SCREW UNC 4-40	HAPOONS PCB to 1.6mm at 3.2mm

www.fciconnect.com		surface ISO 1302	tolerance std ISO 406 ISO 1101	projection mm	mm
		TOLERANCES UNLESS OTHERWISE SPECIFIED			
Dr	P. CRON	2006/10/11	ANGULAR	0.X	±0.3
Eng	M. PESSON	2006/10/11	LINEAR	0.XX	±0.1
Chr	P. LEGARE	2006/10/11	0° ±2°	0.XXX	±0.05
Appr	P. LEGARE	2006/10/11	Product family	D-SUB	Spec ref
FCI		SOCKET COMPACT D 62		deg no	C01-8646-0689
		WHITH STRAIGHT PRESS-FIT		Rev.	C
		catalog no		sheet 2 of 3	

