

Technical drawing of a mechanical part with dimensions:

- Overall length: $88.9^{+0.1}$
- Length to center of hole: $87.5^{+0.0}_{-0.2}$
- Distance from end to hole center: 22.4 (maxi)
- Distance from hole center to end: 13.7
- Distance from end to hole center: $14.8^{+0.1}_{-0.2}$
- Distance from hole center to end: $2.5^{+0.0}_{-0.2}$
- Hole diameter: $\varnothing 2.5^{+0.1}_{+0.0}$

—Current at AMB.	5.5 A at 20° / 4 A at 70°
—Contact resistance	≤15mΩ according to DIN 41640 Teil 4 test 2a
—Insulation resistance	≥10 ⁸ MΩ according to DIN 41640 teil 7 test 3a
—TEST VOLTAGE	according to DIN 41640 teil 21
contact/contact	1550 V
contact/ground	2500 V

-Insertion force	≤75N
-Mechanical endurance	500 matings unmatings according to DIN41640 teil 21
-Material insulator	Thermoplastic UL94V1
-Material contacts	Copper alloy
-Finishing contact surface	Gold over nickel Lead Free
-Finishing termination	Lead-Free
-Schock	≤30mΩ according to DIN 41640 Teil 14 test 6c
-Vibration	10-2000Hz/20g according to DIN 41640 Teil 15

–Climatic category	According to DIN 41612 – class 1
–Corrosion	According to DIN 41612 – class 1

ALL CONTACTS ARE IN ADVANCED POSITION
PERFORMANCES AS PER DIN 41612 STYLE F CLASS 1

- The "LF" products meet European Union Directives and other country regulations as described in GS-22-008.
- The housing will withstand exposure to 260°C peak temperature for 3.5 seconds in a wave solder application with a 1.6mm minimum thick circuit board.
- For the right angled versions , like the current leaded versions, it's recommended to use high temperature adhesive or metallic device, to protect the nearest plastic part in contact with of the solder wave, to avoid any visual plastic deterioration.

rev	ecn no	dr	date
B	LS06-0022	LGO	2006/02/2
C	LS06-0095	LGO	2006/06/26
D	LS07-0288	LGO	2007/11/1
E	F10-0214	APA	2010/10/0
F	F12-0053	APA	2012/05/0
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-	-	-	-

www.fciconnect.com			surface ISO 1302 		tolerance std ISO 406 ISO 110					
			TOLERANCES UNLESS OTHERWISE SPECIFIED							
Dr	PESSON	2006/02/21	ANGULAR	LINEAR	0.X	±0.1	size A3	Scale 1.5		
Eng	PESSON	2006/02/21			0.XX	±0.1				
Chr	LEGARE	2006/02/21			0.XXX	±0.1		ECN F12-0053		
Appr	LEGARE	2006/02/21	Product family		DIN POWER		Spec ref -			
			title MALE CONNECTOR 3 ROW 48 CONTACTS				dwg no C01-5159-0051			Rev F
catalog no			-				CUSTOMER		sheet 1 of 1	