NC5FBH1

This series not only stands out with its proven features such as a compact design, flame retardancy in accordance with UL94-V0, and excellent electrical performance but also incorporates an innovative, enhanced contact system. This new design offers additional advantages, particularly in terms of vibration resistance. Thanks to these improvements, the new products are perfectly suited to meet the demands of challenging applications, providing you with reliable solutions for your needs.

Features & Benefits

- Smallest XLR receptacles
- highest packing density
- New enhanced contact system
- Metal mounting flange featuring continuous circumferntial ground contact to chassis for best EMC and RF protection

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- ✓ Flame retardant (V0, halogen free)

Technical Information

Product	
Title	NC5FBH1
Product family	xlrCON
Connection type	chassis connector
Gender	female

Electrical	
Capacity between contacts	≤ 7 pF
Contact resistance	≤ 12 mΩ
Dielectric strength	1,5 kVdc
Insulation resistance	> 10 GΩ (initial)
Rated current per contact	3 A
Rated voltage acc. to UL1977	50 VAC
Grounding Options	Seperate ground contact connected to mating connector shell and front panel, no connection to Pin 1

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Mechanical	
Insertion force	≤ 20 N
Withdrawal force	≤ 20 N
Lifetime	min. 1000 mating cycles
Locking device	Latch lock
Wiring	Horizontal PCB mount
Chassis shape	B
Mounting direction	rear mounting
Mounting	A-Screw

Material	
Contact	Bronze (CuSn6)
Contact plating	partial gold / Ni / Tin
Insert	PA66
Locking element	Steel Ck67
Locking element plating	Nickel
Ring	Zinc diecast (ZnAl4Cu1)
Ring plating	Nickel

Environmental	
Flammability	UL 94 V0
Standard compliance	IEC 61076-2-103
Solderability	Complies with IEC 60068-2-20
Temperature range	-30 °C to +80 °C

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