

# TECHNICAL SPECIFICATION



## Technical Information

### Product

Title NC5FD-L-1

Connection Type XLR

Gender female

### Electrical

Capacitance between contacts  $\leq 7$  pF

Contact resistance  $\leq 5$  m $\Omega$

Dielectric strength 1,5 kVdc

Insulation resistance  $> 10$  G $\Omega$  (initial)

Rated current per contact 7,5 A

Rated voltage  $< 50$  V

### Mechanical

Insertion force  $\leq 20$  N

Withdrawal force  $\leq 20$  N

Lifetime  $> 1000$  mating cycles

Wiresize max. 1.0 mm<sup>2</sup>

Wiresize max. 18 AWG

Wiring Solder contacts

Locking device Latch lock

Chassis shape D

### Material

Contact plating 2  $\mu$ m Ag over 2  $\mu$ m Ni

Contacts Brass (CuZn39Pb3)

Insert Polyamide (PA 6.6 30 % GR)

Locking element Steel Ck67

Shell Zinc diecast (ZnAl4Cu1)

Shell plating Nickel

### Environmental

Approvals UL

Flammability UL 94 HB

Standard compliance IEC 61076-2-103

Protection class IP 40

Solderability Complies with IEC 68-2-20

Temperature range -30 °C to +80 °C



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