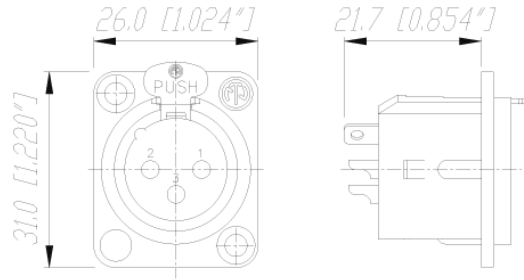


NC3FDL1-B

3 pole female receptacle. Cups for wire soldering. Black metal housing and gold contacts.



XLR Chassis Connectors / DL Series

Unified metal shell for male and female. RF-protected. Solder cups, or PCB terminations (4 and 5 pole only). UL recognized component.

TECHNICAL DATA

Electrical

Number of contacts: 3 - 7
Rated voltage: 50 V ac
Contact resistance: $\leq 5 \text{ m}\Omega$
Insulation resistance - initial: $> 2 \text{ G}\Omega$
- after damp heat test: $> 1 \text{ G}\Omega$ (IEC 68-2-30)
Dielectric strength: 1500 V dc

Mechanical

Lifetime: > 1000 mating cycles
Insertion / withdrawal force: $\leq 20 \text{ N}$
Retention method (Female versions only): - standard: latch lock
- '-0' version: retention spring
Separating force: $\geq 20 \text{ N}$
Rated current:
3 pole: 16 A
4 pole: 10 A
5 and 6 pole: 7.5 A
7 pole: 5 A

AWG:

3 pole: $2.5 \text{ mm}^2/14 \text{ AWG}$
4 pole: $1.5 \text{ mm}^2/16 \text{ AWG}$
5 und 6 pole: $1.0 \text{ mm}^2/18 \text{ AWG}$
7 pole: $1.0 \text{ mm}^2/18 \text{ AWG}$

Capacitance between contacts

3 pole: $\leq 4 \text{ pF}$
4 pole: $\leq 7 \text{ pF}$
5 und 6 pole: $\leq 7 \text{ pF}$
7 pole: $\leq 9 \text{ pF}$

Materials

Shell: ZnAl4Cu1, gal Ni or black Cr plating
Insert: PA 6.6 30% GR (glass reinforced)
Contacts: - female (4-7pole) & male: CuZn39Pb3
Contact surface: gal $2 \mu\text{m}$ Ag or gal $0.2 \mu\text{m}$ Au hard alloy over $2 \mu\text{m}$ Ni

Latch lock & spring: CK 67 steel, treated

Environmental

Temperature range: -30° C to + 80° C

Flammability: UL 94HB

Solderability: complies with IEC 68-2-20

Compatibility:

PCB versions (4 & 5 pole):

horizontal PCB mounting, fastening by chassis mounting holes with M3 threads or by self tapping PLASTITE®* screws with thread 2.9x1.06 (tri-rondular) direct to PCB.