



## NC7FD-L-B-1

7 pole female receptacle, solder cups, black metal housing, gold contacts

Universal D-size metal body XLR panel mount series. UL recognized component.

### Features & Benefits

- Robust "D" metal shell
- Solder cups on 3 - 7 pole version
- Standardized D sized 24 mm panel cutout

## Technical Information

| Product         |             |
|-----------------|-------------|
| Title           | NC7FD-L-B-1 |
| Connection Type | XLR         |
| Gender          | female      |

| Electrical                   |                                  |
|------------------------------|----------------------------------|
| Capacitance between contacts | $\leq 9 \text{ pF}$              |
| Contact resistance           | $\leq 5 \text{ m}\Omega$         |
| Dielectric strength          | 1,5 kVdc                         |
| Insulation resistance        | $> 10 \text{ G}\Omega$ (initial) |
| Rated current per contact    | 5 A                              |
| Rated voltage                | $< 50 \text{ V}$                 |

| Mechanical       |                         |
|------------------|-------------------------|
| Insertion force  | $\leq 20 \text{ N}$     |
| Withdrawal force | $\leq 20 \text{ N}$     |
| Lifetime         | $> 1000$ mating cycles  |
| Wiresize         | max. $1.0 \text{ mm}^2$ |
| Wiresize         | max. 18 AWG             |
| Wiring           | Solder contacts         |
| Locking device   | Latch lock              |
| Chassis shape    | D                       |

| Material        |                                                                         |
|-----------------|-------------------------------------------------------------------------|
| Contact plating | $0.2 \text{ }\mu\text{m}$ Au hard alloy over $2 \text{ }\mu\text{m}$ Ni |
| Contacts        | Brass (CuZn39Pb3)                                                       |
| Insert          | Polyamide (PA 6.6 30 % GR)                                              |
| Locking element | Steel Ck67                                                              |
| Shell           | Zinc diecast (ZnAl4Cu1)                                                 |
| Shell plating   | Black chromium                                                          |

| 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          |