



# NC3FD-L-B-1

3 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
- ✓ Standardized D sized 24 mm panel cutout
- ✓ Solder cups on 3 - 7 pole version

## Technical Information

| Product         |             |
|-----------------|-------------|
| Title           | NC3FD-L-B-1 |
| Connection Type | XLR         |
| Gender          | female      |

| Electrical                   |                                 |
|------------------------------|---------------------------------|
| Capacitance between contacts | $\leq 4 \text{ pF}$             |
| Contact resistance           | $\leq 5 \text{ m}\Omega$        |
| Dielectric strength          | 1,5 kVdc                        |
| Insulation resistance        | $> 2 \text{ G}\Omega$ (initial) |
| Rated current per contact    | 16 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. $2.5 \text{ mm}^2$ |
| Wiresize         | max. 14 AWG             |
| Wiring           | Solder contacts         |
| Locking device   | Latch lock              |
| Chassis shape    | D                       |

| Material                |                                   |
|-------------------------|-----------------------------------|
| Contact plating         | 0.2 µm Au hard alloy over 2 µm Ni |
| Contacts                | Bronze (CuSn8)                    |
| Insert                  | Polyamide (PA 6.6 30 % GR)        |
| Locking element         | Steel Ck67                        |
| Locking element plating | Nickel                            |
| Shell                   | Zinc diecast (ZnAl4Cu1)           |
| Shell coating           | Black KTL                         |

| 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          |