



# NC5FD-L-1

5 pole female receptacle, solder cups, Nickel housing, silver 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           | NC5FD-L-1 |
| Connection Type | XLR       |
| Gender          | female    |

| Electrical                   |                                  |
|------------------------------|----------------------------------|
| Capacitance between contacts | $\leq 7 \text{ pF}$              |
| Contact resistance           | $\leq 5 \text{ m}\Omega$         |
| Dielectric strength          | 1,5 kVdc                         |
| Insulation resistance        | $> 10 \text{ G}\Omega$ (initial) |
| Rated current per contact    | 7,5 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         | 2 µm Ag over 2 µm Ni                        |
| Contacts                | Brass (CuZn39Pb3)                           |
| Insert                  | Polyamide (PA 6.6 30 % GR) Polyamide (PA66) |
| Locking element         | Steel Ck67                                  |
| Locking element plating | Nickel                                      |
| Shell                   | Zinc diecast (ZnAl4Cu1)                     |
| Shell plating           | Nickel                                      |

| Environmental       |                           |
|---------------------|---------------------------|
| Approvals           | UL                        |
| Flammability        | UL 94 V-0                 |
| Standard compliance | IEC 61076-2-103           |
| Protection class    | IP 40                     |
| Solderability       | Complies with IEC 68-2-20 |
| Temperature range   | -30 °C to +80 °C          |