



## NC6FP-1

6 pole female receptacle, solder contacts, Nickel housing, silver contacts

Smallest available traditional style metal panel mount connector with large solder cups for ease hard wiring.

### Features & Benefits

- Smallest available hard wiring receptacles with large solder cups
- Short female receptacle
- Compatible with Cannon XLB2\*31, XLB2\*32
- 6 pole version available with Switchcraft contact arrangement (NC6FSP-1)

## Technical Information

| Product         |         |
|-----------------|---------|
| Title           | NC6FP-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              |
| Mounting direction | Front mounting          |
| Chassis shape      | P                       |

| Material        |                            |
|-----------------|----------------------------|
| Contact plating | 2 µm Ag over 2 µm Ni       |
| Contacts        | Brass (CuZn39Pb3)          |
| Insert          | Polyamide (PA 6.6 30 % GR) |
| Locking element | Steel Ck67                 |
| Shell           | Zinc diecast (ZnAl4Cu1)    |
| Shell plating   | Nickel                     |

| Environmental       |                           |
|---------------------|---------------------------|
| 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          |