



# NC6FP-B-1

6 pole female receptacle, solder contacts, black metal housing, gold 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-B-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	0.2 µm Au hard alloy over 2 µm Ni
Contacts	Brass (CuZn39Pb3)
Insert	Polyamide (PA 6.6 30 % GR)
Locking element	Steel Ck67
Locking element plating	Nickel
Shell	Zinc diecast (ZnAl4Cu1)
Shell coating	Black KTL

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