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NC7FRX-B

7 pole right angle female cable connector, black metal housing, gold contacts

The RX Series is the right angle version of the XX cable connector series. The successor of the RC series offers several new features which make it more reliable, easier to assemble and improves contact integrity as well cable strain relief.

Features & Benefits

- Extra slim right-angle connector

- Unique cage design of female contact for low contact resistance and high integrity

- Female connector with improved solid metal latch which is larger and easier to handle

- Improved chuck type strain relief provides higher pull-out force and makes assembly easier and faster

- Coloured rings and boots available for coding or identification

- 5 selectable cable outlet positions

- Female contact incorporates a solder barrier to prevent solder running into the contact mating area

- Additional ground spring contacts for better shell ground continuity

- Boot with polyurethane gland gives high protection to cable bending stresses

- Sleek and ergonomic design - valuable and handy

Outlet Positions

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Technical Information

Product	
Title	NC7FRX-B
Connection Type	XLR
Gender	female

Electrical	
Capacitance between contacts	≤ 9 pF
Contact resistance	≤ 3 mΩ
Dielectric strength	1,5 kVdc
Insulation resistance	> 2 GΩ (initial)
Rated current per contact	5 A
Rated voltage	< 50 V

Mechanical	
Cable O.D.	3.5 - 8.0 mm
Insertion force	≤ 20 N
Withdrawal force	≤ 20 N
Lifetime	> 1000 mating cycles
Wiresize	max. 1.0 mm²
Wiresize	max. 18 AWG
Wiring	Solder contacts
Locking device	Latch lock

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Material

Boot	Polyurethan
Contact plating	0.2 µm Au hard alloy over 2 µm Ni
Contacts	Brass (CuZn39Pb3)
Insert	Polyamide (PA 6.6 30 % GR)
Locking element	Zinc diecast (ZnAl4Cu1) / Ck 67 (spring)
Shell	Zinc diecast (ZnAl4Cu1)
Shell plating	Black chromium
Strain relief	Polyacetal (POM)

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