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NC10FD-LX-B

8 + 2 pole female D-size receptacle, KTL coated metal housing, duplex ground contact

Features & Benefits

- Suitable for data offering CAT 5e performance and power up to 16 A and 50 V - exceeds PoE+ capabilities
- Superior ruggedness compared to RJ45 type connectors
- All metal housing offers best overall RF protection and electromagnetic shielding
- D-size housing provides installation compatibility with industry standard D mounting dimensions
- Receptacle with duplex ground contact for excellent signal integrity

Technical Information

Product	
Title	NC10FD-LX-B
Type	Chassis
Connection Type	XLR
Gender	female

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Electrical	
Contact resistance	≤ 3 mΩ
Dielectric strength	1 kVdc
Insulation resistance	> 10 GΩ (initial); 0.1 GΩ (after damp heat test)
Number of electronical contacts	8 + 2
Rated current per contact	16 A (power pins), 3 A (data pins)
Rated voltage	< 50 V
Cable shield - shell connection	N/A
Transmission performance	CAT 5e

Mechanical	
Insertion force	≤ 20 N
Withdrawal force	≤ 20 N
Lifetime	> 1000 mating cycles
Wiresize	2.5 mm² / AWG 14 (power pins), 1 mm² / AWG 18 (data pins)

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Material	
Contact plating	0.2 µm Au hard alloy over 2 µm Ni
Contacts	Brass (CuZn39Pb3)
Insert	PA66
Locking element	Steel Ck67
Locking element plating	Nickel
Shell	Zinc diecast (ZnAl4Cu1)
Shell coating	Black KTL

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

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