## **TECHNICAL SPECIFICATION**

Product         Title         NC3FP-1           Connection Type         XLR           Gender         female           Electrical         Female           Capacitance between contacts         ≤ 4 pF           Contact resistance         ≤ 5 mQ           Dielectric strength         1,5 kVdc           Insulation resistance         > 10 GΩ (initial)           Rated current per contact         16 A           Rated voltage         < 50 V           Mechanical         Insertion force           Withdrawal force         ≤ 20 N           Lifetime         > 1000 mating cycles           Wiring         Solder contacts           Locking device         Latch lock           Mounting direction         Front mounting           Chassis shape         P           Material         2 μm Ag over 2 μm Ni           Contact         Bronze (CuSn6)           Insert         Polyamide (PA 6.6 30 % GR)           Locking element         Steel Ck67           Shell         Zinc diecast (ZnAl4Cu1)           Shell plating         Nickel           Environmental         Ecc 61076-2-103           Flammability         UL 94 HB           Standard compliance	echnical Information	
Connection Type         XLR           Gender         female           Electrical         Female           Capacitance between contacts         ≤ 4 pF           Contact resistance         ≤ 5 mΩ           Dielectric strength         1,5 kVdc           Insulation resistance         > 10 GΩ (initial)           Rated current per contact         16 A           Rated voltage         < 50 V           Mechanical         Secondary           Insertion force         ≤ 20 N           Withdrawal force         ≤ 20 N           Lifetime         > 1000 mating cycles           Wiring         Solder contacts           Locking device         Latch lock           Mounting direction         Front mounting           Chassis shape         P           Material         2 μm Ag over 2 μm Ni           Contact plating         2 μm Ag over 2 μm Ni           Locking element         Steel Ck67           Shell         Zinc diecast (ZnAl4Cu1)           Shell plating         Nickel           Environmental         Frammability         UL 94 HB           Standard compliance         IEC 61076-2-103           Protection class         IP 40           Solderab	Product	
Electrical           Capacitance between contacts         ≤ 4 pF           Contact resistance         ≤ 5 mΩ           Dielectric strength         1,5 kVdc           Insulation resistance         > 10 GQ (initial)           Rated current per contact         16 A           Rated voltage         < 50 V           Mechanical         Insertion force           Withdrawal force         ≤ 20 N           Lifetime         > 1000 mating cycles           Wiring         Solder contacts           Locking device         Latch lock           Mounting direction         Front mounting           Chassis shape         P           Material         2 μm Ag over 2 μm Ni           Contact plating         2 μm Ag over 2 μm Ni           Contacts         Bronze (CuSn6)           Insert         Polyamide (PA 6.6 30 % GR)           Locking element         Steel Ck67           Shell         Zinc diecast (ZnAl4Cu1)           Shell plating         Nickel           Environmental         Environmental           Flammability         UL 94 HB           Standard compliance         IEC 61076-2-103           Protection class         IP 40           Solderability <th>Title</th> <th>NC3FP-1</th>	Title	NC3FP-1
Electrical  Capacitance between contacts ≤ 4 pF  Contact resistance ≤ 5 mΩ  Dielectric strength 1,5 kVdc  Insulation resistance > 10 GΩ (initial)  Rated current per contact 16 A  Rated voltage <50 V  Mechanical  Insertion force ≤20 N  Withdrawal force ≤20 N  Lifetime > 1000 mating cycles  Wirring Solder contacts  Locking device Latch lock  Mounting direction Front mounting  Chassis shape P  Material  Contact plating 2 μm Ag over 2 μm Ni  Contacts Bronze (CuSn6)  Insert Polyamide (PA 6.6 30 % GR)  Locking element Steel Ck67  Shell Jating Nickel  Environmental  Fiammability UL 94 HB  Standard compliance IEC 61076-2-103  Protection class  Protection class  IP 40  Complies with IEC 68-2-20	Connection Type	XLR
Capacitance between contacts         ≤ 4 pF           Contact resistance         ≤ 5 mΩ           Dielectric strength         1,5 kVdc           Insulation resistance         > 10 GΩ (initial)           Rated current per contact         16 A           Rated voltage         < 50 V	Gender	female
Capacitance between contacts         ≤ 4 pF           Contact resistance         ≤ 5 mΩ           Dielectric strength         1,5 kVdc           Insulation resistance         > 10 GΩ (initial)           Rated current per contact         16 A           Rated voltage         < 50 V		
Contact resistance         ≤ 5 mΩ           Dielectric strength         1,5 kVdc           Insulation resistance         > 10 GΩ (initial)           Rated current per contact         16 A           Rated voltage         < 50 V		
Dielectric strength       1,5 kVdc         Insulation resistance       > 10 GΩ (initial)         Rated current per contact       16 A         Rated voltage       < 50 V	·	
Insulation resistance         > 10 GΩ (initial)           Rated current per contact         16 A           Rated voltage         < 50 V		
Rated current per contact       16 A         Rated voltage       < 50 V		
Rated voltage       < 50 V		
Mechanical Insertion force ≤ 20 N Withdrawal force ≤ 20 N  Lifetime > 1000 mating cycles 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 Bronze (CuSn6)  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		
Insertion force \$ 20 N  Withdrawal force \$ 20 N  Lifetime \$ > 1000 mating cycles  Wiring \$ Solder contacts  Locking device \$ Latch lock  Mounting direction \$ Front mounting  Chassis shape \$ P\$  Material \$ 2 \mu Ag over 2 \mu Ni\$  Contact plating \$ 2 \mu Ag over 2 \mu Ni\$  Contacts \$ Bronze (CuSn6)\$  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 \$ IP 40\$  Solderability \$ Complies with IEC 68-2-20	Rated voltage	< 50 V
Withdrawal force ≤ 20 N  Lifetime > 1000 mating cycles  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 Bronze (CuSn6)  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	Mechanical	
Lifetime > 1000 mating cycles  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 Bronze (CuSn6)  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	Insertion force	≤ 20 N
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 Bronze (CuSn6)  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	Withdrawal force	≤ 20 N
Locking device Latch lock  Mounting direction Front mounting  Chassis shape P  Material Contact plating Contacts Bronze (CuSn6) 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 Protection class IP 40  Solderability Chassis shape  Remounting Contacts Latch lock Front mounting  P  UL 94 HB  Latch lock Front mounting  UL 94 HB  Latch lock Front mounting  P  Locking element Latch lock Front mounting  P  Locking element Latch lock  I p 40  Complies with IEC 68-2-20	Lifetime	> 1000 mating cycles
Mounting direction Front mounting  Chassis shape P  Material  Contact plating 2 µm Ag over 2 µm Ni  Contacts Bronze (CuSn6)  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	Wiring	Solder contacts
Chassis shape  Material  Contact plating  Contacts  Bronze (CuSn6)  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  Piec 61076-2-103  Protection class  IP 40  Complies with IEC 68-2-20	Locking device	Latch lock
Material  Contact plating 2 µm Ag over 2 µm Ni  Contacts Bronze (CuSn6)  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	Mounting direction	Front mounting
Contacts   Bronze (CuSn6)   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	Chassis shape	Р
Contacts   Bronze (CuSn6)   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		
Contacts Bronze (CuSn6)  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		
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	Contact plating	2 μm Ag over 2 μm Ni
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	Contacts	Bronze (CuSn6)
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	Insert	Polyamide (PA 6.6 30 % GR)
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	Locking element	Steel Ck67
Environmental  Flammability  UL 94 HB  Standard compliance  IEC 61076-2-103  Protection class  IP 40  Solderability  Complies with IEC 68-2-20	Shell	Zinc diecast (ZnAl4Cu1)
Flammability UL 94 HB Standard compliance IEC 61076-2-103 Protection class IP 40 Solderability Complies with IEC 68-2-20	Shell plating	Nickel
Flammability UL 94 HB Standard compliance IEC 61076-2-103 Protection class IP 40 Solderability Complies with IEC 68-2-20	Environmental	
Standard compliance IEC 61076-2-103  Protection class IP 40  Solderability Complies with IEC 68-2-20		UL 94 HB
Protection class IP 40  Solderability Complies with IEC 68-2-20		
Solderability Complies with IEC 68-2-20		IP 40
	Solderability	Complies with IEC 68-2-20





