



NC3FX-HD-B

PHASE OUT

direct replacement / successor: NC3FXX-HD-B

alternative product: NC3FX1-TOP

3 pole female cable connector, "heavy duty", all metal design, black, gold contacts

The X-HD Series is a "Heavy duty" XLR cable connector for outdoor use. All metal design, dust and water protected according to IP 65 by mating with related X-HD cable connector or MPR-HD chassis connector. Gold contacts are standard.

Features & Benefits

- ✓ "Heavy duty" cable connector for outdoor use
- ✓ All metal design
- ✓ NC*FX-HD mates with NC*MPR-HD chassis connector and NC*MX-HD cable connector
- ✓ Dust and water protected according IP 65 in mated condition
- ✓ Gold contacts
- ✓ Chuck type strain relief system for secure clamping of cables
- ✓ Boot with rubber gland gives high protection against bending stresses

Technical Information

| Product | |
|-----------------|------------|
| Title | NC3FX-HD-B |
| Connection Type | XLR |
| Gender | female |

| Electrical | |
|------------------------------|-------------------|
| Capacitance between contacts | ≤ 4 pF |
| Contact resistance | ≤ 3 mΩ |
| Dielectric strength | 1,5 kVdc |
| Insulation resistance | > 10 GΩ (initial) |
| Rated current per contact | 16 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. 2.5 mm² |
| Wiresize | max. 14 AWG |
| Wiring | Solder contacts |
| Locking device | Latch lock |

| Material | |
|-----------------|-----------------------------------|
| Boot | Polyurethan |
| Bushing | Stainless steel |
| Contact plating | 0.2 µm Au hard alloy over 2 µm Ni |
| Contacts | Bronze (CuSn8) |
| Insert | Polyamide (PA66) |
| Locking element | St3K32 (latch) / Ck 67 (spring) |
| Shell | Stainless steel |
| Shell plating | Black chromium |
| Strain relief | Polyacetal (POM) |
| Sealing jacket | EPDM |

| Environmental | |
|---------------------|---------------------------|
| Approvals | UL |
| Flammability | UL 94 V-0 |
| Standard compliance | IEC 61076-2-103 |
| Protection class | IP 65 |
| Solderability | Complies with IEC 68-2-20 |
| Temperature range | -30 °C to +80 °C |