



NC5FDX-TOP

5 pole female chassis connector, TRUE OUTDOOR PROTECTION (TOP)

The X-TOP series is a "heavy-duty" XLR chassis connector for outdoor use. Outdoor protected by mating with related cable connector of the XLR TOP range (IP65 and UL50E). Gold contacts are standard.

Features & Benefits

- Heavy-duty sealed XLR connector range for harsh and demanding environment
- Outdoor protection according to IP65 and UL50E (in combination with a TOP range counterpart)
- Uses high impact UV-resistant materials
- Maintains sealing when in use and when disconnected

Technical Information

| Product | |
|------------------------|------------|
| Title | NC5FDX-TOP |
| Connection Type | XLR |
| Gender | female |

| Electrical | |
|-------------------------------------|-------------------|
| Capacitance between contacts | ≤ 4 pF |
| Contact resistance | ≤ 5 mΩ |
| Dielectric strength | 1,5 kVdc |
| Insulation resistance | > 10 GΩ (initial) |
| Rated current per contact | 7,5 A |
| 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 | D |

| Material | |
|------------------------|----------------------------|
| Contact plating | 0.2 μm Au over 2 μm Ni |
| Contacts | Brass (CuZn39Pb3) |
| Insert | Polyamide (PA 6.6 30 % GR) |
| Locking element | Stainless steel |
| Gasket | TPE |
| Shell | Polyamide (PA 6.6 30 % GR) |

| Environmental | |
|----------------------------|---------------------------|
| Flammability | UL94 V-0 |
| Standard compliance | IEC 61076-2-103 |
| Protection class | IP65, UL50E |
| Solderability | Complies with IEC 68-2-20 |
| Temperature range | -30 °C to +80 °C |