



NC3FDX-TOP

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

The X-TOP series is a "heavy-duty" XLR chassis connector for outdoor use. IP65 rated and TOP approved in consideration to UL50E by mating with related cable or chassis connector of the XLR TOP range

Features & Benefits

- Heavy-duty sealed XLR connector range for harsh and demanding environment
- IP65 rated and TOP approved in consideration to UL50E by mating with related cable or chassis connector of the XLR TOP range
- Uses high impact UV-resistant materials
- Maintains sealing when in use and when disconnected

Technical Information

| Product | |
|-----------------|------------|
| Title | NC3FDX-TOP |
| Connection Type | XLR |
| Gender | female |

| Electrical | |
|------------------------------|----------------------------------|
| Capacitance between contacts | $\leq 4 \text{ pF}$ |
| Contact resistance | $\leq 5 \text{ m}\Omega$ |
| Dielectric strength | 1,5 kVdc |
| Insulation resistance | $> 10 \text{ G}\Omega$ (initial) |
| Rated current per contact | 16 A |
| Rated voltage | $< 50 \text{ V}$ |

| Mechanical | |
|--------------------|------------------------|
| Insertion force | $\leq 20 \text{ N}$ |
| Withdrawal force | $\leq 20 \text{ N}$ |
| Lifetime | > 5000 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 |
| Solderability | Complies with IEC 68-2-20 |
| Temperature range | -30 °C to +80 °C |