



## NC3MDX-TOP

3 pole male 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                |            |
|------------------------|------------|
| <b>Title</b>           | NC3MDX-TOP |
| <b>Connection Type</b> | XLR        |
| <b>Gender</b>          | male       |

| Electrical                          |                   |
|-------------------------------------|-------------------|
| <b>Capacitance between contacts</b> | ≤ 4 pF            |
| <b>Contact resistance</b>           | ≤ 5 mΩ            |
| <b>Dielectric strength</b>          | 1,5 kVdc          |
| <b>Insulation resistance</b>        | > 10 GΩ (initial) |
| <b>Rated current per contact</b>    | 16 A              |
| <b>Rated voltage</b>                | < 50 V            |

| Mechanical                |                      |
|---------------------------|----------------------|
| <b>Insertion force</b>    | ≤ 20 N               |
| <b>Withdrawal force</b>   | ≤ 20 N               |
| <b>Lifetime</b>           | > 5000 mating cycles |
| <b>Wiring</b>             | Solder contacts      |
| <b>Locking device</b>     | Latch lock           |
| <b>Mounting direction</b> | Front mounting       |
| <b>Chassis shape</b>      | D                    |

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

| Environmental              |  |
|----------------------------|--|
| <b>Flammability</b>        | UL94 V-0   |
| <b>Standard compliance</b> | IEC 61076-2-103  |
| <b>Protection class</b>    | IP65, UL50E enclosure type 4 (mated or sealing cap closed) |
| <b>Solderability</b>       | Complies with IEC 68-2-20                                  |
| <b>Temperature range</b>   | -30 °C to +80 °C   |