



# NC5MDX-TOP

5 pole male chassis connector, TRUE OUTDOOR PROTECTED (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           | NC5MDX-TOP |
| Connection Type | XLR        |
| Gender          | male       |

**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    | 7,5 A                            |
| Rated voltage                | $< 50 \text{ V}$                 |

**Mechanical**

|                    |                        |
|--------------------|------------------------|
| Insertion force    | $\leq 20 \text{ N}$    |
| Withdrawal force   | $\leq 20 \text{ N}$    |
| Lifetime           | $> 1000$ mating cycles |
| Wiring             | Solder contacts        |
| Locking device     | Latch lock             |
| Mounting direction | Front mounting         |
| Chassis shape      | D                      |

**Material**

|                 |                                              |
|-----------------|----------------------------------------------|
| Contact plating | 0.2 $\mu\text{m}$ Au over 2 $\mu\text{m}$ Ni |
| Contacts        | Brass (CuZn39Pb3)                            |
| Insert          | Polyamide (PA 6.6 30 % GR)                   |
| Locking element | Steel Ck67                                   |
| Gasket          | TPE                                          |
| Shell           | Polyamide (PA 6.6 30 % GR)                   |
| Shell coating   | Black KTL                                    |

| 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          |