



NC10MDX-TOP

8+2 pole male 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
- Suitable for data offering CAT 5e performance and power up to 16 A and 50 V - exceeds PoE+ capabilities
- IP65 rated and TOP approved in consideration to UL50E by mating with related cable or chassis connector of the XLR TOP range
- Superior ruggedness compared to RJ45 type connectors
- High impact UV-resistant materials
- Outdoor protection according to IP65. Maintains sealing when in use and when disconnected
- D-size housing provides installation compatibility with industry standard D mounting dimensions
- IEC 61984 certified
- Receptacle with duplex ground contact for excellent signal integrity

Technical Information

| Product | |
|-----------------|-------------|
| Title | NC10MDX-TOP |
| Connection Type | XLR |
| Gender | Male |

| Electrical | |
|---------------------------------|------------------------------------|
| Contact resistance | $\leq 3 \text{ m}\Omega$ |
| Dielectric strength | 1 kVdc |
| Insulation resistance | $> 10 \text{ G}\Omega$ (initial) |
| Number of electrical contacts | 8 + 2 |
| Rated current per contact | 16 A (power pins), 3 A (data pins) |
| Rated voltage | 50 V |
| Cable shield - shell connection | choosable |
| Transmission performance | CAT 5e |

| Mechanical | |
|--------------------|---|
| Insertion force | ≤ 20 N |
| Withdrawal force | ≤ 20 N |
| Lifetime | > 1000 mating cycles |
| Wiring | Solder contacts |
| Wiring Size | <2.5 mm ² / <1 mm ² |
| | 8 x 24 AWG + 2 x 16AWG |
| Locking device | Latch lock |
| Mounting direction | Front mounting |
| Chassis shape | D |

| Material | |
|-----------------|----------------------------|
| Contact plating | Gold (Au) over Nickel (Ni) |
| Contacts | Brass |
| Insert | Polyamide |
| Locking element | Stainless steel |
| Gasket | TPE |
| Shell | Polyamide |

| Environmental | |
|--------------------------------------|------------------|
| Flammability acc. to UL94 | V-0 |
| Standard compliance | IEC 61076-2-103 |
| Protection class acc. IEC 60529 | IP65 |
| Solderability acc. | IEC 60068-2-20 |
| Temperature range | -30 °C to +80 °C |
| Pollution degree acc. to IEC 60664-1 | II |