



## 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

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

<b>Material</b>	
<b>Contact plating</b>	Gold (Au) over Nickel (Ni)
<b>Contacts</b>	Brass
<b>Insert</b>	Polyamide
<b>Locking element</b>	Stainless steel
<b>Gasket</b>	TPE
<b>Shell</b>	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