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

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Product	
Title	NC10MDX-TOP
Connection Type	XLR
Gender	Male

Electrical	
Contact resistance	≤ 3 mΩ
Dielectric strength	1 kVdc
Insulation resistance	> 10 GΩ (initial)
Number of electronical 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 mm²/<1 mm²
	8 x 24 AWG + 2 x 16AWG
Locking device	Latch lock
Mounting direction	Front mounting
Chassis shape	D

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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