



NC5FDX-TOP

5 pole female 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	
Title	NC5FDX-TOP
Connection Type	XLR
Gender	female

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 µm Au over 2 µm Ni
Contacts	Brass (CuZn39Pb3)
Insert	Polyamide (PA 6.6 30 % GR)
Locking element	Stainless steel
Gasket	TPE
Shell	Polyamide (PA 6.6 30 % GR)

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