



## NC3FDX-TOP

3 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	
<b>Title</b>	NC3FDX-TOP
<b>Connection Type</b>	XLR
<b>Gender</b>	female

Electrical	
<b>Capacitance between contacts</b>	$\leq 4 \text{ pF}$
<b>Contact resistance</b>	$\leq 5 \text{ m}\Omega$
<b>Dielectric strength</b>	1,5 kVdc
<b>Insulation resistance</b>	$> 10 \text{ G}\Omega$ (initial)
<b>Rated current per contact</b>	16 A
<b>Rated voltage</b>	$< 50 \text{ V}$

Mechanical	
<b>Insertion force</b>	$\leq 20 \text{ N}$
<b>Withdrawal force</b>	$\leq 20 \text{ N}$
<b>Lifetime</b>	$> 5000$ mating cycles
<b>Wiring</b>	Solder contacts
<b>Locking device</b>	Latch lock
<b>Mounting direction</b>	Front mounting
<b>Chassis shape</b>	D

Material	
<b>Contact plating</b>	0.2 $\mu\text{m}$ Au over 2 $\mu\text{m}$ Ni
<b>Contacts</b>	Brass (CuZn39Pb3)
<b>Insert</b>	Polyamide (PA 6.6 30 % GR)
<b>Locking element</b>	Stainless steel
<b>Gasket</b>	TPE
<b>Shell</b>	Polyamide (PA 6.6 30 % GR)

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