NC5FDXX-TOP

PHASE OUT The "xlrCON TOP airtight" chassis connector is the perfect solution for demanding outdoor applications and the harshest conditions. This innovative product is part of the xlrCON product group and belongs to our premium signal line. With an impressive array of features and a particular focus on protection and performance, the "xlrCON TOP airtight" is the choice for professionals who require absolute reliability.

With the xlrCON TOP airtight, you can count on a secure connection, even in the most extreme outdoor conditions. Rely on its protective features and high performance to ensure signal connections that meet the most stringent requirements. Trust in TRUE OUTDOOR PROTECTION with this outstanding chassis connector from NEUTRIK – your link to the future.

Features & Benefits

- IP65 & IP66 rating to protect from water and dust ingress (even in unmated and open sealing cap condition)
- Airtightness for production line tests to ensure TRUE OUTDOOR PROTECTION on devices
- Corrosion resistance (Saltspraytest 1440h)
- Seamless design language of etherCON TOP & xlrCON TOP

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- UV protection (F1 housing, F2(UV) sealing)
- Easy maintenance due to front-mount design
- Flame retardant (V0, halogen free)
- ESD protection up to 2 kV

Technical Information

Product	
Title	NC5FDXX-TOP
Product family	xlrCON
Connection type	chassis connector
Gender	female

Electrical	
Capacity between contacts	≤ 4 pF
Contact resistance	≤ 5 mΩ
Dielectric strength	1,5 kVdc
Insulation resistance	> 10 GΩ (initial)
Rated current acc. to IEC 61984 & EN 61984 at ta 25°C	7.5 A in combination with NC5MX1-TOP
Rated current acc. to IEC 61984 & EN 61984 at ta 50°C	7.5 A in combination with NC5MX1-TOP
Rated current acc. to UL 1977	7.5 A in combination with NC5MX1-TOP
Rated current acc. to CSA C22.2 No. 182.3	6 A in combination with NC5MX1-TOP
Rated voltage acc. to IEC 61984 & EN 61984	50 Vac SELV
Rated voltage acc. to UL1977	50 Vac

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Mechanical	
Insertion force	≤ 20 N
Withdrawal force	≤ 20 N
Lifetime	min. 1000 mating cycles
Locking device	Latch lock
Wiring	Solder contacts
Chassis shape	D
Mounting direction	Front mounting

Material	
Contact plating	Gold plating
Contacts	Brass
Flange	PA66 (hard component) + TPE-E (soft component)
Housing	PA66

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Environmental	
outdoor enclosure	suitable to be used as part of the outdoor enclosure of electrical and electronic equipment according to Annex Y of IEC 62368-1, EN IEC 62368-1, UL 62368-1, C22.2 No. 62368-1
fire enclosure	suitable to be used as part of the fire enclosure of electrical and electronic equipment according to IEC 62368-1, EN IEC 62368-1, UL 62368-1, C22.2 No. 62368-1
Standard compliance	IEC 61984 EN 61984 UL 1977 CSA C22.2 No. 182.3
Ingress protection acc. to IEC 60529	IP65 & IP66
Solderability	Complies with IEC 60068-2-20
Pollution Degree	acc. to IEC 60664-1:2

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