



NC5FDXX-TOP

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)
- Corrosion resistance (Saltspraytest 1440h)
- UV protection (F1 housing, F2(UV sealing))
- Flame retardant (V0, halogen free)
- Airtightness for production line tests to ensure TRUE OUTDOOR PROTECTION on devices
- Seamless design language of etherCON TOP & xlrCON TOP
- Easy maintenance due to front-mount design
- 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 m Ω |
| Dielectric strength | 1,5 kVdc |
| Insulation resistance | > 10 G Ω (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 |

| 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 |

| 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 |