



NE8FDIS-TOP

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

With the etherCON 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 data 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 & IP67 rating to protect from water and dust ingress (even in unmated and open sealing cap condition)
- Corrosion resistance
- UV protection
- Airtightness for production line tests to ensure TRUE OUTDOOR PROTECTION on devices
- 100 W power delivery according to IEEE 802.3bt Type 4 Class 8
- Seamless design language of etherCON TOP & xlrCON TOP
- Easy maintenance due to front-mount design

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- ESD protection up to 2 kV

Technical Information

Product	
Title	NE8FDIS-TOP
Product family	etherCON
Connection type	chassis connector
Gender	female

Electrical	
Contact resistance	< 10 mΩ
Dielectric strength	1 kV DC
Insulation resistance	> 0.5 GΩ
Rated current per contact	1.5 A
Rated voltage	≤ 57 V
Transmission performance	CAT3 acc. to TIA/EIA 568C channel specifications CLASS C acc. to ISO/IEC 11801 channel specifications
Frequency range	1-16 MHz
Power over Ethernet	PoE type 4 class 8 acc. IEEE 802.3bt

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Mechanical	
Insertion force	< 30 N
Withdrawal force	< 30 N
Lifetime	min. 1000 mating cycles
Locking device	Latch lock
Wiring	2.54 mm Box Header 2x4 Pin Feedthrough (Wiring scheme enclosed)
Chassis shape	D
Mounting direction	Front mounting

Material	
Contact plating	Gold plating
Contacts	Brass
Flange	PA66 (hard component) + EPTR (soft component)
Housing	PA66

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Environmental	
Flammability	V-0 acc. to UL94
Standard compliance	UL 1863 CSA C22.2 No. 182.4-M90 for fire enclosure acc. to IEC 62368-1:2018, EN IEC 62368-1:2020 +A11:2020, UL 62368-1 Ed.3, CSA C22.2 No. 62368-1:19 for outdoor enclosure acc. to IEC 62368-1:2018 Annex Y, EN IEC 62368-1:2020 +A11:2020 Annex Y Regulation (EU) 2023/988 Regulation (UK) 2016 No. 1101 IEC 60529:1989 +AMD1:1999 +AMD2:2013
Ingress protection class	IP65 IP67
Temperature range	'-30 °C to +70 °C

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