



## NE8FDPU-1-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 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

- ✓ Airtightness for production line tests to ensure TRUE OUTDOOR PROTECTION on devices
- ✓ IP65 rating to protect from water and dust ingress (even in unmated and open sealing cap condition)
- ✓ CAT 5e performance
- ✓ Flame retardant (V0)
- ✓ Durable die-cast shell with sleek black plating
- ✓ Easy maintenance due to front-mount design

## Technical Information

| Product         |                   |
|-----------------|-------------------|
| Title           | NE8FDPU-1-TOP     |
| Product family  | etherCON          |
| Connection type | chassis connector |
| Gender          | female            |

| Electrical                |                         |
|---------------------------|-------------------------|
| Contact resistance        | < 100 mΩ                |
| Dielectric strength       | 1 kV DC                 |
| Insulation resistance     | > 0.5 GΩ                |
| Rated current per contact | 1.5 A                   |
| Rated voltage             | ≤ 57 V                  |
| Transmission performance  | 1 - 100 MHz             |
| Frequency range           | 1 - 100 MHz             |
| Power over Ethernet       | PoE++ acc. IEEE 802.3bt |

**Mechanical**

|                    |                                           |
|--------------------|-------------------------------------------|
| Insertion force    | ≤ 60 N                                    |
| Withdrawal force   | ≤ 60 N                                    |
| Lifetime           | min. 1000 mating cycles                   |
| Panel thickness    | 9.5 mm                                    |
| Locking device     | Latch lock                                |
| Wiring             | RJ45 Feedthrough (Wiring scheme enclosed) |
| Chassis shape      | See drawing                               |
| Panel Cutout       | D                                         |
| Mounting direction | Front mount                               |

**Material**

|                         |                         |
|-------------------------|-------------------------|
| Contact                 | Bronze                  |
| Contact plating         | Gold                    |
| Insert                  | PA                      |
| Locking element         | Steel                   |
| Locking element plating | Nickel                  |
| Shell                   | Zinc diecast (ZnAl4Cu1) |
| Shell plating           | Black KTL               |

**Environmental**

|                          |                        |
|--------------------------|------------------------|
| Flammability             | UL 94 V0               |
| Standard compliance      | TIA/EIA 586B, IEC11801 |
| Ingress protection class | IP65                   |
| Temperature range        | -30 °C to +80 °C       |

