



NE8FDP-TOP

RJ45 feedthrough receptacle, combined with sealing kit SE8FD-TOP, D-shape metal flange with the latch lock, mounting screws included.

The etherCON series is a ruggedized and lockable RJ45 connector system, optimized for pro audio, video and lighting network applications with IP65 rating and UL 50E certification. The chassis connectors are shaped to fit into standardized panels out of the entertainment industry. The D-series offers the most rugged design of the etherCON series and is perfectly suitable for panel mount and the installer market.

ATTENTION: Does not intermate with CAT6 cable connector NE8MC6-MO and NKE6S* cables.

Features & Benefits

- IP65 rating and certified outdoor protection to UL 50E (in combination with NE8MX-TOP or sealing cap closed)
- Accommodates NE8MCX* or any standard RJ45 plug
- Approved latch lock system
- Ground panel connection
- Uses high impact UV-resistant and gasket materials
- CAT5e according to ISO/IEC 11801 and TIA/EIA 568A/B
- Mountable from the front of the panel
- PoE type 4 class 8 (100W) acc. IEEE 802.3bt

Technical Information

| Product | |
|------------------------|------------|
| Title | NE8FDP-TOP |
| Type | Chassis |
| Connection Type | etherCON |
| Gender | female |

| Electrical | |
|----------------------------------|---|
| Contact resistance | < 50 mΩ |
| Dielectric strength | 1 kVdc |
| Frequency range | 1 - 100 MHz |
| Insulation resistance | > 0.5 GΩ |
| Rated current per contact | 1.5 A |
| Rated voltage | ≤ 57 V |
| Transmission performance | CAT5e acc. to TIA/EIA 568A/B component specifications CAT5e acc. to ISO/IEC 11801 component specifications |
| Power over Ethernet | PoE type 4 class 8 (100W) acc. IEEE 802.3bt |

| Mechanical | |
|------------------|-----------------------------|
| Insertion force | ≤ 20 N |
| Withdrawal force | ≤ 20 N |
| Lifetime | 1000 mating cycles |
| Panel thickness | 2 mm - 4 mm , 0.08" - 0.16" |
| Wiring | Feedthrough |
| Locking device | Latch lock |
| Chassis shape | D |

| Material | |
|-----------------|---------------------------|
| Contact plating | 0.2 µm Au over Ni plating |
| Contacts | Bronze (CuSn8) |
| Shell | Zinc diecast (ZnAl4Cu1) |
| Shell plating | Chromium |

| Environmental | |
|---------------------|---|
| Flammability | UL 94 V-0 |
| Temperature range | -30 °C to +80 °C |
| Protection class | IP65, UL50E enclosure type 4 (mated or sealing cap closed) |
| Standard compliance | ISO/IEC 11801-1 Ed. 1.0 (2017-11) IEC 60603-7-3 Ed.2.0 (2010-04) IEC 60512-99-002 Ed.2.0 (2022-01) IEC 60512-9-3 (2011-06) |