



NE8FDV-B-TOP

Vertical PCB panel mount RJ45 receptacle, combined with sealing kit SE8FD-TOP, max. panel thickness 4 mm, 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. 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 rated (in combination with etherCON TOP Connector or sealing cap closed)
- Useable with any standard RJ45 plug
- Approved latch lock system
- Mountable from the front of the panel
- Uses high impact UV-resistant and gasket materials
- CAT5e / Class D according to TIA/EIA 568C and ISO/IEC 11801
- Ground panel connection
- PoE type 4 class 8 (100W) acc. IEEE 802.3bt

Technical Information

| Product | |
|-----------------|--------------|
| Title | NE8FDV-B-TOP |
| Type | Chassis |
| Connection Type | etherCON |
| Gender | Female |

| Electrical | |
|---------------------------|---|
| Contact resistance | < 50 m Ω |
| Dielectric strength | 1 kVdc |
| Frequency range | 1 – 100 MHz |
| Insulation resistance | > 0.5 G Ω |
| Rated current per contact | 1.5 A |
| Rated voltage | \leq 57 V |
| Transmission performance | CAT5e acc. to TIA/EIA 568C channel specifications CLASS D acc. to ISO/IEC 11801 channel 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 | Vertical PCB mount |
| Locking device | Latch lock |
| Chassis shape | D |

| Material | |
|-----------------|---|
| Contact plating | 0.2 µm Gold (Au) over Nickel (Ni) plating |
| Contacts | Bronze (CuSn8) |
| Flange | Zinc diecast (ZnAl4Cu1) |
| Flange plating | Black chromium |
| Shell plating | Black KTL |

| Environmental | |
|----------------------------|---|
| Flammability acc. to UL 94 | V-0 |
| Protection class | IP65 (mated) |
| Temperature range | -30 °C to +80 °C |
| Solderability | Complies with IEC 68-2-20 |
| 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) |