



NE8FDH-C5E-TOP

Horizontal C5E component compliant PCB panel mount RJ45 receptacle, combined with sealing kit SE8FD-TOP, D-shape metal flange with latch lock, 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 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 / Class D according to TIA/EIA 568C and ISO/IEC 11801
- Mountable from the front of the panel
- PoE type 4 class 8 (100W) acc. IEEE 802.3bt

Technical Information

| Product | |
|---------------|----------------|
| Title | NE8FDH-C5e-TOP |
| 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 568C component specifications CAT5e acc. to ISO/IEC 11801 component specifications |
| Power over Ethernet | PoE type 4 class 8 (100W) acc. IEEE 802.3bt |
| Standard compliance | TIA/EIA 586B, IEC11801 |

| Mechanical | |
|------------------|----------------------|
| Insertion force | ≤ 20 N |
| Withdrawal force | ≤ 20 N |
| Lifetime | > 1000 mating cycles |
| Panel thickness | max. 4 mm , 0.16" |
| Wiring | Horizontal PCB mount |
| Locking device | Latch lock |
| Chassis shape | D |

| Material | |
|-----------------|---------------------------|
| Contact plating | 0.2 µm Au over Ni plating |
| Contacts | Bronze (CuSn8) |
| Insert | PBTP 15 % GR |
| Shell | Zinc diecast (ZnAl4Cu1) |
| Shell plating | Chromium |

| Environmental | |
|---------------------|---|
| Flammability | UL 94 V-0 |
| Solderability | Complies with IEC 68-2-20 |
| Temperature range | -30 °C to +80 °C |
| Protection class | IP65, UL 50E 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) |