



## NE8FAV

Vertical PCB mount RJ45 receptacle, A-Series cutout with latch lock, max. panel thickness 3mm.

The etherCON Series is a ruggedized and lockable RJ45 connector system, optimized for pro audio, video and lightning network applications. The chassis connectors are shaped to fit into standardized panels out of the entertainment industry.

The all plastic A-Series offers the most space saving and cost effective design.

Attention! Does not intermate with CAT6 cable connector NE8MC6-MO and NKE6S\* cables.

## Features & Benefits

- ✓ Accommodates rugged etherCON NE8MC\* or any standard RJ45 plug
- ✓ Approved latch lock system
- ✓ Most space saving and cost effective design
- ✓ CAT5e / Class D according to TIA/EIA 568C and ISO/IEC 11801
- ✓ Isolated to panel ground
- ✓ PoE type 4 class 8 (100W) acc. IEEE 802.3bt

## Technical Information

| Product |        |
|---------|--------|
| Title   | NE8FAV |
| Gender  | female |

| Electrical                |   |
|---------------------------|---|
| Contact resistance        | < 50 mΩ   |
| Dielectric strength       | 1 kVdc  |
| Frequencyrange            | 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 channel specifications<br>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    | max. 3 mm 0.12'      |
| Wiresize           |                      |
| Wiring             | vertical PCB mount   |
| Locking device     | Latch lock           |
| Mounting direction | Rear mounting        |
| Chassis shape      | A                    |
| Mounting           | A-Screw              |

| Material                |                           |
|-------------------------|---------------------------|
| Contact plating         | 0.2 µm Au over Ni plating |
| Contacts                | Bronze (CuSn8)            |
| Insert                  | PBTP 15 % GR              |
| Shell                   | PBTP 15 % GR              |
| Locking element plating | Nickel                    |

| Environmental       |   |
|---------------------|---|
| Flammability        | UL 94 V-0   |
| Solderability       | Complies with IEC 68-2-20   |
| Temperature range   | -30 °C to +80 °C  |
| Standard compliance | ISO/IEC 11801-1 Ed. 1.0 (2017-11)<br>IEC 60603-7-3 Ed.2.0 (2010-04)<br>IEC 60512-99-002 Ed.2.0 (2022-01)<br>IEC 60512-9-3 (2011-06) |