

## NE8FAH-C5-AE

Horizontal PCB mount RJ45 receptacle, CAT5e, A-Series cutout with latch lock, max. panel thickness 3 mm.



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 NE8MX\* or any standard RJ45 plug
- ✓ Approved latch lock system
- ✓ Most space saving and cost effective design
- ✓ Isolated to panel ground
- ✓ PoE+ compliant according to 802.3at Type2

- ✓ CAT5e performance according to ISO/IEC 11801 and TIA/EIA 568-C.2
- ✓ Horizontal PCB design at 24 mm distance to front panel – fits the widely accepted industry standard dimension for XLRs, 1/4" jacks etc.
- ✓ Compound material of push tab improves ESD protection

## Technical Information

| Product         |              |
|-----------------|--------------|
| Title           | NE8FAH-C5-AE |
| Type            | Chassis      |
| Connection Type | etherCON     |
| Gender          | Female       |

| Electrical                |                                                                                                               |
|---------------------------|---------------------------------------------------------------------------------------------------------------|
| Contact resistance        | < 50 mΩ                                                                                                       |
| Dielectric strength       | 1 kV DC                                                                                                       |
| 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<br>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  | Max. 3 mm (0.12")    |
| Wiring           | Horizontal PCB mount |
| Locking device   | Rear mounting        |
| Chassis shape    | A                    |
| Mounting         | A-Screw              |

| Material        |                           |
|-----------------|---------------------------|
| Contact plating | 0.2 µm Au over Ni plating |
| Contacts        | Bronze (CuSn8)            |
| Locking element | HPPA                      |
| Shell           | PBT D202G30               |

| Environmental       |                                                                                                                                     |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Flammability        | UL 94 V-0                                                                                                                           |
| 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)<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) |