



## NE8FAH-ESD

Horizontal PCB mount RJ45 receptacle, A-Series cutout with latch lock, max. panel thickness 3 mm and asymmetric non-metallic push tab.

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 and ESD performance via asymmetric non-metallic push.

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
- ✓ Isolated to panel Ground
- ✓ CAT5e / Class D according to TIA/EIA 568C and ISO/IEC 11801
- ✓ PoE type 4 class 8 (100W) acc. IEEE 802.3bt
- ✓ Housing flammability UL94 V-0
- ✓ Vertical space saving compared to standard push tabs
- ✓ Matte color of push tab eliminates disturbing light reflections from a metal push tab

✓ Easier to use push tab with larger push area

# Technical Information

| Produkte        |            |
|-----------------|------------|
| Title           | NE8FAH-ESD |
| Connection type | etherCON®  |

| Elektrisch                |                                                                                                           |
|---------------------------|-----------------------------------------------------------------------------------------------------------|
| 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                                                               |

| Mechanische Daten  |                      |
|--------------------|----------------------|
| 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     | 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              |

| Umwelt                                    |                                                                                                                                     |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Flammability                              | UL 94 V-0                                                                                                                           |
| Protection class according to IEC 60529   | IP 40                                                                                                                               |
| Pollution degree according to IEC 60664-1 | Pollution degree 2                                                                                                                  |
| Solderability                             | Complies with IEC 68-2-20                                                                                                           |
| Temperature range                         | -30 °C to +80 °C                                                                                                                    |
| Maximum operating temperature             | +40 °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) |