



## NE8FBH-C5-LED1

Horizontal PCB mount RJ45 receptacle, CAT5e, two light pipes for SMD-LEDs, B-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 B-Series offers a space saving design and a rugged metal front plate.

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

### Features & Benefits

- Accommodates rugged etherCON NE8MC\* or any standard RJ45 plug
- Ground panel connection
- CAT5e according to ISO/IEC 11801 and TIA/EIA 568A/B
- Approved latch lock system
- PoE type 4 class 8 (100W) acc. IEEE 802.3bt

Technical Information

| Product |                |
|---------|----------------|
| Title   | NE8FBH-C5-LED1 |
| 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 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")  |
| Wiresize               |  |
| Wiring                 | Horizontal PCB mount   |
| Locking device         | Latch lock   |
| Mounting direction     | Rear mounting  |
| Chassis shape          | B  |
| Recommended LED-height | 0.75 mm (0.3")<br>The final LED brightness depends on the actual LED height and the angel of radiation.<br>Subject to be tested! |
| Mounting               | A-Screw  |

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

| 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) |