



NE8FBH-LED

Fully shielded, horizontal PCB mount RJ45 receptacle with B-Series cutout and latch lock, max. panel thickness 3 mm. The "Lighted etherCON" offers a closed metal housing to avoid EMI or cross talking and two light pipes for standard 3 mm LED to indicate data transmission, status, etc.

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
- Approved latch lock system
- Offers various illuminating indication possibilities by means of two separate light pipes
- Light pipes illuminated by standard 3 mm LEDs to be mounted on PCB by customer
- Comprehensive shielding granted by completely closed metal housing

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- CAT5e / Class D according to TIA/EIA 568C and ISO/IEC 11801
- Ground panel connection
- PoE type 4 class 8 (100W) acc. IEEE 802.3bt

Technical Information

Product	
Title	NE8FBH-LED
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 CLASS D acc. to ISO/IEC 11801 channel specifications
Power over Ethernet	PoE type 4 class 8 (100W) acc. IEEE 802.3bt

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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	5.6 mm (2.2“) The final LED brightness depends on the actual LED height and the angel of radiation. Subject to be tested!
Mounting	A-Screw

Material	
Contact plating	0.2 µm Au over Ni plating
Contacts	Bronze (CuSn8)
Insert	PBTP 15 % GR
Shell	Zinc diecast (ZnAl4Cu1)
Shell plating	Nickel
Locking element plating	Nickel

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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) IEC 60603-7-3 Ed.2.0 (2010-04) IEC 60512-99-002 Ed.2.0 (2022-01) IEC 60512-9-3 (2011-06)

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