



## NE8FBH-C5

Horizontal PCB mount RJ45 receptacle, CAT5e, 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. NEUTRIK etherCON's are capable of PoE++ up to 90 W (cf. White Paper)

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+ compliant according to 802.3at Type2
- PoE type 4 class 8 (100W) acc. IEEE 802.3bt

## Technical Information

Product	
<b>Title</b>	NE8FBH-C5
<b>Gender</b>	female

Electrical	
<b>Contact resistance</b>	< 50 mΩ
<b>Dielectric strength</b>	1 kVdc
<b>Frequencyrange</b>	1 - 100 MHz
<b>Insulation resistance</b>	> 0.5 GΩ
<b>Rated current per contact</b>	1.5 A
<b>Rated voltage</b>	≤ 57 V
<b>Transmission performance</b>	CAT5e acc. to TIA/EIA 568A/B component specifications CAT5e acc. to ISO/IEC 11801 component specifications
<b>Power over Ethernet</b>	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
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) IEC 60603-7-3 Ed.2.0 (2010-04) IEC 60512-99-002 Ed.2.0 (2022-01) IEC 60512-9-3 (2011-06)