



## NE8FBH-C5-S

Horizontal PCB mount RJ45 receptacle, CAT5e, shielded, 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 performance according to ISO/IEC 11801 and TIA/EIA 568-C.2
- Approved latch lock system
- PoE+ compliant according to 802.3at Type2

## Technical Information

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

Electrical	
<b>Contact resistance</b>	< 10 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>	< 50 V
<b>Transmission performance</b>	CAT5e, acc. TIA/EIA 586C.2, IEC11801
<b>Power over Ethernet</b>	PoE type 4 class 8 (90 W) acc. IEEE 802.3bt

<b>Mechanical</b>	
<b>Insertion force</b>	≤ 20 N
<b>Withdrawal force</b>	≤ 20 N
<b>Lifetime</b>	> 1000 mating cycles
<b>Panel thickness</b>	max. 3 mm (0.12")
<b>Wiresize</b>	
<b>Wiring</b>	Horizontal PCB mount
<b>Locking device</b>	Latch lock
<b>Mounting direction</b>	Rear mounting
<b>Chassis shape</b>	B
<b>Mounting</b>	A-Screw

<b>Material</b>	
<b>Contact plating</b>	0.2 µm Au over Ni plating
<b>Contacts</b>	Bronze (CuSn8)
<b>Locking element</b>	Ck 67 steel, treated
<b>Shell</b>	PBT D202G30

<b>Environmental</b>	
<b>Flammability</b>	UL 94 V-0
<b>Solderability</b>	Complies with IEC 68-2-20
<b>Temperature range</b>	-30 °C to +80 °C