

## NE8FDV-B-TOP

Vertical PCB panel mount RJ45 receptacle, combined with sealing kit SE8FD-TOP, max. panel thickness 4 mm, mounting screws included.

The etherCON series is a ruggedized and lockable RJ45 connector system, optimized for pro audio, video and lighting network applications with IP65 rating. The chassis connectors are shaped to fit into standardized panels out of the entertainment industry. The D-series offers the most rugged design of the etherCON series and is perfectly suitable for panel mount and the installer market.

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



### Features & Benefits

- IP65 rated (in combination with etherCON TOP Connector or sealing cap closed)
- Useable with any standard RJ45 plug
- Approved latch lock system
- Mountable from the front of the panel
- Uses high impact UV-resistant and gasket materials
- Class D or CAT5e according to ISO/IEC 11801 and TIA/EIA
- Ground panel connection

## Technical Information

Product	
<b>Title</b>	NE8FDV-B-TOP
<b>Type</b>	Chassis
<b>Connection Type</b>	etherCON
<b>Gender</b>	Female

Electrical	
<b>Contact resistance</b>	<10 mΩ
<b>Dielectric strength</b>	1 kVdc
<b>Frequency range</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>	CAT 5e

Mechanical	
<b>Insertion force</b>	≤ 20 N
<b>Withdrawal force</b>	≤ 20 N
<b>Lifetime</b>	> 1000 mating cycles
<b>Panel thickness</b>	2 mm – 4 mm , 0.08" – 0.16"
<b>Wiring</b>	Vertical PCB mount
<b>Locking device</b>	Latch lock
<b>Chassis shape</b>	D

Material	
<b>Contact plating</b>	0.2 µm Gold (Au) over Nickel (Ni) plating
<b>Contacts</b>	Bronze (CuSn8)
<b>Flange</b>	Zinc diecast (ZnAl4Cu1)
<b>Flange plating</b>	Black chromium

Environmental	
<b>Flammability acc. to UL 94</b>	V-0
<b>Standard compliance</b>	TIA/EIA 586B, IEC11801
<b>Protection class</b>	IP65 (mated)
<b>Temperature range</b>	-30 °C to +80 °C
<b>Solderability</b>	Complies with IEC 68-2-20

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