



## 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)
- ✓ Uses high impact UV-resistant and gasket materials
- ✓ Useable with any standard RJ45 plug
- ✓ CAT5e / Class D according to TIA/EIA 568C and ISO/IEC 11801
- ✓ Approved latch lock system
- ✓ Ground panel connection
- ✓ Mountable from the front of the panel
- ✓ PoE type 4 class 8 (100W) acc. IEEE 802.3bt

## Technical Information

Product	
Title	NE8FDV-B-TOP
Type	Chassis
Connection Type	etherCON
Gender	Female

Electrical	
Contact resistance	< 50 mΩ
Dielectric strength	1 kVdc
Frequency range	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

**Mechanical**

Insertion force	$\leq 20 \text{ N}$
Withdrawal force	$\leq 20 \text{ N}$
Lifetime	> 1000 mating cycles
Panel thickness	2 mm – 4 mm , 0.08" – 0.16"
Wiring	Vertical PCB mount
Locking device	Latch lock
Chassis shape	D

**Material**

Contact plating	0.2 $\mu\text{m}$ Gold (Au) over Nickel (Ni) plating
Contacts	Bronze (CuSn8)
Flange	Zinc diecast (ZnAl4Cu1)
Flange plating	Black chromium
Shell planting	Black KTL

**Environmental**

Flammability acc. to UL 94	V-0
Protection class	IP65 (mated)
Temperature range	-30 °C to +80 °C
Solderability	Complies with IEC 68-2-20
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)