

NE8FDP-B-TOP

RJ45 feedthrough receptacle, combined with sealing kit SE8FD-TOP, D-shape metal flange with the latch lock, 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 according to ISO/IEC 11801 and TIA/EIA 568A/B
- 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

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Product	
Title	NE8FDP-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 568A/B component specifications CAT5e acc. to ISO/IEC 11801 component 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	2 mm – 4 mm , 0.08” – 0.16”
Wiring	Feedthrough
Locking device	Latch lock
Chassis shape	D

Material	
Contact plating	0.2 µm 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
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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