NEUTRIK



NE8FDH-C5E-TOP

Horizontal C5E component compliant PCB panel mount RJ45 receptacle, combined with sealing kit SE8FD-TOP, D-shape metal flange with latch lock, 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 and UL 50E certification. 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 rating and certified outdoor protection to UL 50E (in combination with NE8MX-TOP or sealing cap closed)
- Uses high impact UV-resistant and gasket materials
- Accomodates NE8MCX* or any standard RJ45 plug
- CAT5e / Class D according to TIA/EIA 568C and ISO/IEC 11801
- Approved latch lock system
- Mountable from the front of the panel
- Ground panel connection
- PoE type 4 class 8 (100W) acc. IEEE 802.3bt

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Technical Information

Product	
Title	NE8FDH-C5e-TOP
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 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	max. 4 mm , 0.16"
Wiring	Horizontal PCB mount
Locking device	Latch lock
Chassis shape	D

Material	
Contact plating	0.2 µm Au over Ni plating
Contacts	Bronze (CuSn8)
Insert	PBTP 15 % GR
Shell	Zinc diecast (ZnAl4Cu1)
Shell plating	Chromium

Environmental	
Flammability	UL 94 V-0
Solderability	Complies with IEC 68-2-20
Temperature range	-30 °C to +80 °C
Protection class	IP65, UL 50E enclosure type 4 (mated or sealing cap closed)
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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