NEUTRIK

NP3F-V

*** DISCONTINUED ***

Direct replacement / successor: NP3F-H

3 pole female chassis connector, vertical PCB mount

The nanoCON is the smallest lockable 3 pole connector in the world. It offers a robust metal housing, a metal locking device, gold plated contacts and excellent cable retention.

Features & Benefits

- World's smallest circular lockable multipole connector
- Robust metal housing with gold plated contacts
- Reliable and versatile in applications like medical equipment, control systems, sensors or audio applications such as miniature and wireless microphones and portable mixers
- Pre-mating contact 1

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Technical Information

Product	
Title	NP3F-V
Connection Type	nanoCON
Gender	female

Electrical	
Contact resistance	≤ 12 mΩ
Dielectric strength	1 kVdc
Insulation resistance	> 1 GΩ (after damp heat test IEC 68-2-30)
Rated current per contact	2 A
Rated voltage	< 50 V

Mechanical	
Lifetime	500 mating cycles
Wiresize	0.2 mm² / 0.14 mm² (solid / stranded wire)
Wiresize	24 AWG / 26 AWG
Wiring	vertical PCB mount
Locking device	Latch lock
Mounting direction	Rear mounting
Chassis shape	7 mm

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Material

Contact plating	0.5 µm Au
Contacts	Brass (CuZn35Pb2)
Insert	PETP
Shell	Brass (CuZn39Pb2)

Environmental

Flammability	UL 94 V-0
Protection class	IP 40
Solderability	Complies with IEC 68-2-20
Temperature range	-30 °C to +80 °C

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