**NEUTRIK**

# NP3M-H

3 pole male chassis connector, horizontal 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

## Technical Information

| Product | |
|---|---|
| Title | NP3M-H |
| Connection Type | nanoCON |
| Gender | male |

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## 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 | Horizontal PCB mount |
| Locking device | Latch lock |
| Mounting direction | Rear mounting |
| Chassis shape | 7 mm |

## Material

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

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