NEUTRIK



# NR3M-S

3 pole male chassis connector panel mount, solder contacts

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

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## Technical Information

| Product | |
|---|---|
| **Title** | NR3M-S |
| **Connection Type** | nanoCON |
| **Gender** | male |

| 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 | |
|---|---|
| **Cable retention** | > 20 N |
| **Insertion force** | < 15 N |
| **Lifetime** | 500 mating cycles |
| **Wiresize** | 0.2 mm² / 0.14 mm² (solid / stranded wire) |
| **Wiresize** | 24 AWG / 26 AWG |
| **Locking device** | Latch lock |
| **Mounting direction** | Front mounting |
| **Chassis shape** | 9 mm |

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

| Environmental | |
|---|---|
| **Temperature range** | -30 °C to +80 °C |