NEUTRIK



# OSC8M

8 pole male cable connector, chuck type strain relief, solder contacts, 180° coding, black housing

The neutriCON connectors are designed for multipin/industrial applications in harsh and demanding environment. The very robust all metal circular connector offers easy and screwless assembly, flexible part combination and a push-pull locking mechanism.

## Features & Benefits

- Contact configuration can be selected from 1 to 8 contacts.
- Easy assembly: Contact soldering in disassembled condition avoids awkward wiring of high density contacts.
- Precise and robust all metal housing.
- Push-pull self-locking system.

## Technical Information

| Product | |
|---|---|
| Title | OSC8M |
| Connection Type | neutriCON |
| Gender | male |


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| Electrical | |
|---|---|
| Contact resistance | ≤ 5 mΩ |
| Dielectric strength | 1,5 kVdc |
| Insulation resistance | > 0.5 GΩ (after damp heat test IEC 68-2-30) |
| Rated current per contact | 7,5 A |
| Rated voltage | < 50 V |

| Mechanical | |
|---|---|
| Cable O.D. | 3 - 7 mm |
| Cable retention | > 50 N |
| Insertion force | < 25 N |
| Lifetime | > 1000 mating cycles |
| Wiresize | 1 mm² |
| Wiresize | 18 AWG |
| Wiring | Solder contacts |
| Locking device | Push-Pull |

| Material | |
|---|---|
| Contact plating | 0.3 µm Au hard alloy over 2 µm Ni |
| Contacts | Brass (CuZn35Pb2) |
| Insert | PBTP 15 % GR |
| Shell | Zinc diecast (ZnAl4Cu1) |
| Shell plating | Black chromium |
| Strain relief | Polyacetal (POM) |


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| Environmental | |
|---|---|
| Flammability | UL 94 HB |
| Protection class | IP 5X |
| Solderability | Complies with IEC 68-2-20 |
| Temperature range | -30 °C to +80 °C |


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