



OSC8M-NI

8 pole male cable connector, chuck type strain relief, solder contacts, 180° coding, nickel 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-NI |
| Connection Type | neutriCON |
| Gender | male |

Electrical

| | |
|---------------------------|------------------------------------------------------------|
| Contact resistance | $\leq 5 \text{ m}\Omega$ |
| Dielectric strength | 1,5 kVdc |
| Insulation resistance | $> 0.5 \text{ G}\Omega$ (after damp heat test IEC 68-2-30) |
| Rated current per contact | 7,5 A |
| Rated voltage | $< 50 \text{ V}$ |

Mechanical

| | |
|-----------------|------------------------|
| Cable O.D. | 3 - 7 mm |
| Cable retention | $> 50 \text{ N}$ |
| Insertion force | $< 25 \text{ N}$ |
| Lifetime | > 1000 mating cycles |
| Wiresize | 1 mm ² |
| 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 | Nickel |
| Strain relief | Polyacetal (POM) |

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