



## 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

<b>Electrical</b>	
<b>Contact resistance</b>	$\leq 5 \text{ m}\Omega$
<b>Dielectric strength</b>	1,5 kVdc
<b>Insulation resistance</b>	$> 0.5 \text{ G}\Omega$ (after damp heat test IEC 68-2-30)
<b>Rated current per contact</b>	7,5 A
<b>Rated voltage</b>	< 50 V
<b>Mechanical</b>	
<b>Cable O.D.</b>	3 - 7 mm
<b>Cable retention</b>	> 50 N
<b>Insertion force</b>	< 25 N
<b>Lifetime</b>	> 1000 mating cycles
<b>Wiresize</b>	1 mm <sup>2</sup>
<b>Wiresize</b>	18 AWG
<b>Wiring</b>	Solder contacts
<b>Locking device</b>	Push-Pull
<b>Material</b>	
<b>Contact plating</b>	0.3 $\mu\text{m}$ Au hard alloy over 2 $\mu\text{m}$ Ni
<b>Contacts</b>	Brass (CuZn35Pb2)
<b>Insert</b>	PBTP 15 % GR
<b>Shell</b>	Zinc diecast (ZnAl4Cu1)
<b>Shell plating</b>	Nickel
<b>Strain relief</b>	Polyacetal (POM)

**Environmental**

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