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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