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3 pole female cable connector, chuck type strain relief and 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
- ✓ Robust metal housing with gold plated contacts
- ✓ Reliable and versatile in applications like medical equipment, control systems, sensors or audio applications such as miniature and wireless microphones and portable mixers
- ✓ Pre-mating contact 1

Technical Information

Product		
Title		NSC3F
Connection Type		nanoCON
Gender		female

Electrical

Contact resistance	$\leq 12 \text{ m}\Omega$
Dielectric strength	1 kVdc
Insulation resistance	$> 1 \text{ G}\Omega$ (after damp heat test IEC 68-2-30)
Rated current per contact	2 A
Rated voltage	$< 50 \text{ V}$

Mechanical

Cable O.D.	max. 3.4 mm
Cable retention	$> 20 \text{ N}$
Insertion force	$< 15 \text{ N}$
Lifetime	500 mating cycles
Wiresize	$0.2 \text{ mm}^2 / 0.14 \text{ mm}^2$ (solid / stranded wire)
Wiresize	24 AWG / 26 AWG
Locking device	Latch lock

Material

Contact plating	$0.5 \text{ }\mu\text{m Au}$
Contacts	Brass (CuZn35Pb2)
Insert	PETP
Shell	CuSn4Pb4Zn4
Strain relief	Polyacetal (POM)

Environmental

Temperature range	$-30 \text{ }^\circ\text{C}$ to $+80 \text{ }^\circ\text{C}$
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