



# ORP8F

8 pole female chassis connector, 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	ORP8F
Connection Type	neutriCON
Gender	female

**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 retention	$> 50 \text{ N}$
Insertion force	$< 25 \text{ N}$
Lifetime	$> 1000$ mating cycles
Wiresize	1 mm <sup>2</sup>
Wiresize	18 AWG
Wiring	Solder contacts
Locking device	Push-Pull
Mounting direction	Front mounting

**Material**

Contact plating	0.3 $\mu\text{m}$ Au hard alloy over 2 $\mu\text{m}$ Ni
Contacts	Brass (CuZn35Pb2)
Insert	PBTP 15 % GR
Shell	Zinc diecast (ZnAl4Cu1)
Shell plating	Black chromium

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