



# NC5MPR-HD

Heavy duty sealed male 5-pole XLR chassis connector for outdoor use, weatherproof applications as well as in a wide range of industrial applications.

## Features & Benefits

- ✓ Dust and water ingress sealing:
  - IP67 in combination with HD cable connector NC5FXX-HD-D
  - IP65 in combination with TOP cable connector NC5FX1-TOP
- ✓ Sealing gasket for water tight panel mount
- ✓ Gold plated contacts
- ✓ Fastening nut included

## Technical Information

Product	
Title	NC5MPR-HD
Connection Type	XLR
Gender	male

Electrical	
Capacitance between contacts	$\leq 7 \text{ pF}$
Contact resistance	$\leq 5 \text{ m}\Omega$
Dielectric strength	1,5 kVdc
Insulation resistance	$> 10 \text{ G}\Omega$ (initial)
Rated current per contact	7,5 A
Rated voltage	$< 50 \text{ V}$

Mechanical	
Insertion force	$\leq 20 \text{ N}$
Withdrawal force	$\leq 20 \text{ N}$
Lifetime	$> 1000$ mating cycles
Wiresize	max. $1.0 \text{ mm}^2$
Wiresize	max. 18 AWG
Wiring	Solder contacts
Locking device	Latch lock
Mounting direction	Front mounting
Chassis shape	P

Material	
Contact plating	0.2 µm Au over 2 µm Ni
Contacts	Brass (CuZn39Pb3)
Insert	Polyamide (PA 6.6 30 % GR)
Locking element	Steel Ck67
Gasket	Tesnit®
Shell	Brass (CuZn39Pb3)
Shell plating	Nickel

Environmental	
Flammability	UL 94 HB
Standard compliance	IEC 61076-2-103
Protection class	IP 65
Solderability	Complies with IEC 68-2-20
Temperature range	-30 °C to +80 °C