



## NC3MPR-HD

Heavy duty sealed male 3-pole XLR chassis connector for outdoor use, weatherproof applications.

Attention: Male connectors are not intended to be used as Input Connectors.

### Features & Benefits

- Dust and water ingress sealing:
  - IP67 in combination with HD cable connector NC3FXX-HD\*
  - IP65 in combination with HD cable connector NC3FX-HD\*
- Sealing gasket for water tight panel mount
- Gold plated contacts
- Fastening nut included
- EC 61984:2008 compliant

## Technical Information

Product	
<b>Title</b>	NC3MPR-HD
<b>Connection Type</b>	XLR
<b>Gender</b>	male
<b>Remark</b>	Male connectors are not intended to be used as Input Connectors.

Electrical	
<b>Capacitance between contacts</b>	$\leq 4 \text{ pF}$
<b>Contact resistance</b>	$\leq 5 \text{ m}\Omega$
<b>Dielectric strength</b>	1,5 kVdc
<b>Insulation resistance</b>	$> 10 \text{ G}\Omega$ (initial)
<b>Rated current per contact</b>	16 A
<b>Rated voltage</b>	50 Vac
<b>Over voltage category</b>	Over voltage category

Mechanical	
<b>Insertion force</b>	$\leq 20 \text{ N}$
<b>Withdrawal force</b>	$\leq 20 \text{ N}$
<b>Lifetime</b>	$> 1000$ mating cycles
<b>Wiresize</b>	1.5 – 2.5 mm <sup>2</sup>
<b>Mechanical endurance</b>	COC
<b>Wiring</b>	Solder contacts
<b>Locking device</b>	Latch lock
<b>Mounting direction</b>	Front mounting
<b>Chassis shape</b>	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	Zinc diecast (ZnAl4Cu1)
Shell plating	Nickel

Environmental	
Flammability	UL 94 HB
Standard compliance	IEC 61076-2-103
Protection class according to IEC 60529	IP 65 - mated with HD cable connector NC3FX-HD*
	IP67 - mated with HD cable connector NC3FXX-HD*
Pollution degree according to IEC 60664-1	2
Solderability	Complies with IEC 68-2-20
Temperature range	-30 °C to +80 °C
Maximum operating temperature	+40 °C