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Audio

## MPR-HD Series

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### NC5MPR-HD

#### Product

|                |      |
|----------------|------|
| Connector Type | XLR  |
| Gender         | male |

#### Electrical

|                              |                               |
|------------------------------|-------------------------------|
| Capacitance between contacts | ≤ 7 pF                        |
| Contact resistance           | ≤ 5 mΩ                        |
| Dielectric strength          | 1,5 kVdc                      |
| Insulation resistance        | > 2 GΩ (initial)              |
| Insulation resistance        | > 1 GΩ (after damp heat test) |
| Rated current per contact    | 7,5 A                         |
| Rated voltage                | 50 V                          |

#### Mechanical

|                    |                          |
|--------------------|--------------------------|
| Insertion force    | ≤ 20 N                   |
| Withdrawal force   | ≤ 20 N                   |
| Lifetime           | > 1000 mating cycles     |
| Wire size          | max. 1.0 mm <sup>2</sup> |
| Wire size          | max. 18 AWG              |
| Wiring             | Solder contacts          |
| Locking device     | latch lock               |
| Mounting direction | front                    |
| 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           | Zinc diecast (ZnAl4Cu1)    |
| 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          |