



## NC3MXX-HE

3 pole male cable connector, velour-chromium housing, gold contacts

Exclusive version of standard XX Series. Valuable velour chromium plating. Extra high temperature resistant insulator material.

### Features & Benefits

- Extra high temperature resistant insulator material
- Valuable velour chromium plating of shell
- Male connector with improved locking recess without "window", more stringent housing increases durability
- Flammability UL94V-0
- Improved chuck type strain relief provides higher pull-out force and makes assembly easier and faster
- Boot with polyurethane gland gives high protection to cable bending stresses
- Colored rings and boots available for coding or identification
- Sleek and ergonomic design - valuable and handy

## Technical Information

| Product         |           |
|-----------------|-----------|
| Title           | NC3MXX-HE |
| Connection Type | XLR       |
| Gender          | male      |

| Electrical                   |                             |
|------------------------------|-----------------------------|
| Capacitance between contacts | $\leq 4$ pF                 |
| Contact resistance           | $\leq 3$ m $\Omega$         |
| Dielectric strength          | 1,5 kVdc                    |
| Insulation resistance        | $> 10$ G $\Omega$ (initial) |
| Rated current per contact    | 16 A                        |
| Rated voltage                | $< 50$ V                    |

| Mechanical       |                          |
|------------------|--------------------------|
| Cable O.D.       | 3.5 - 8.0 mm             |
| Insertion force  | $\leq 20$ N              |
| Withdrawal force | $\leq 20$ N              |
| Lifetime         | $> 1000$ mating cycles   |
| Wiresize         | max. 2.5 mm <sup>2</sup> |
| Wiresize         | max. 14 AWG              |
| Wiring           | Solder contacts          |
| Locking device   | Latch lock               |

| Material               |                                    |
|------------------------|------------------------------------|
| <b>Boot</b>            | Polyurethan                        |
| <b>Contact plating</b> | 0.2 µm Au hard alloy over 2 µm Ni  |
| <b>Contacts</b>        | Brass (CuZn39Pb3)                  |
| <b>Insert</b>          | Polyphenylene Sulfide (PPS 40% GR) |
| <b>Locking element</b> | Zinc diecast (ZnAl4Cu1)            |
| <b>Shell</b>           | Zinc diecast (ZnAl4Cu1)            |
| <b>Shell plating</b>   | Velour Chromium                    |
| <b>Strain relief</b>   | Polyacetal (POM)                   |

| Environmental              |                           |
|----------------------------|---------------------------|
| <b>Flammability</b>        | UL 94 V-0                 |
| <b>Standard compliance</b> | IEC 61076-2-103           |
| <b>Protection class</b>    | IP 40                     |
| <b>Solderability</b>       | Complies with IEC 68-2-20 |
| <b>Temperature range</b>   | -30 °C to +80 °C          |