

## MRF12

12 pole female chassis connector panel mount, solder contacts

The miniCON with its flexible and compact design is perfectly suitable for multipin/industrial applications. The rugged all metal miniature connector offers a push-pull locking device and stands out by an excellent cost/performance ratio.



### Features & Benefits

- Easy assembly: Contact soldering in disassembled condition avoids awkward wiring of high density contacts.
- Push-pull self-locking system
- Gold plated contacts
- Velour chromium housing
- Rugged, precisely machined all metal design

**Technical Information**

| Product                |         |
|------------------------|---------|
| <b>Title</b>           | MRF12   |
| <b>Connection Type</b> | miniCON |
| <b>Gender</b>          | female  |

| Electrical                       |          |
|----------------------------------|----------|
| <b>Contact resistance</b>        | ≤ 8 mΩ   |
| <b>Dielectric strength</b>       | 1 kVdc   |
| <b>Insulation resistance</b>     | > 0.5 GΩ |
| <b>Rated current per contact</b> | 3 A      |
| <b>Rated voltage</b>             | < 50 V   |

| Mechanical                |                     |
|---------------------------|---------------------|
| <b>Cable retention</b>    | > 20 N              |
| <b>Insertion force</b>    | < 25 N              |
| <b>Wiresize</b>           | 0,5 mm <sup>2</sup> |
| <b>Wiresize</b>           | 20 AWG              |
| <b>Wiring</b>             | Solder contacts     |
| <b>Locking device</b>     | Push-Pull           |
| <b>Mounting direction</b> | Rear mounting       |
| <b>Chassis shape</b>      | 14.10 mm            |

| Material               |                         |
|------------------------|-------------------------|
| <b>Contact plating</b> | 0.2 μm AuCo             |
| <b>Contacts</b>        | Bronze (CuSn6)          |
| <b>Insert</b>          | Polyamide (PA 6.6)      |
| <b>Shell</b>           | Zinc diecast (ZnAl4Cu1) |

| Environmental            |                           |
|--------------------------|---------------------------|
| <b>Flammability</b>      | UL 94 V-0                 |
| <b>Protection class</b>  | IP 5X                     |
| <b>Solderability</b>     | Complies with IEC 68-2-20 |
| <b>Temperature range</b> | -30 °C to +80 °C          |