order number: J01024A0004

N Adaptor f-f IP 68

Technical Attributes

<table>
<thead>
<tr>
<th>Remarks</th>
<th>f-f IP 68</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIL-Std.</td>
<td>UG-29 A/U</td>
</tr>
<tr>
<td>Return Loss</td>
<td>40.5 dB/1 GHz; 27 dB/10 GHz</td>
</tr>
</tbody>
</table>

Description of the Series/Product Category

Notice: The following information refer to the series/product category as a whole. Please see the specific datasheet for specific technical information of a particular product.

The N series is a very popular coax connector. It is a medium sized, precision, weatherproof connector supplied with a screw coupling. In some applications this connector can be used up to 11 GHz. Only 50 Ω impedances are available. Connector styles are available for flexible, conformable, semi-rigid and corrugated cable types. Both crimp and clamp cable termination processes are used for this series. Special design techniques for this series...

Mating face sealing for N connectors between plug and jack (mated) according to IP 68. The classifications are general statements for the relevant series. Individual connectors may deviate from the values shown. If in doubt, please consult our engineers.

Mechanical Characteristics

<table>
<thead>
<tr>
<th>Recommended coupling torque</th>
<th>4 - 6 Nm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Durability (Steckungen)</td>
<td>≥ 500</td>
</tr>
<tr>
<td>Material: spring contacts</td>
<td>CuBe2, CuNi1Pb1P(C97)</td>
</tr>
<tr>
<td>Material: outer conductor</td>
<td>CuZn39Pb3</td>
</tr>
</tbody>
</table>
Material: other metal parts | CuZn39Pb3  
Material: insulators | PTFE  
Material: gaskets | Silicone, NBR  
Finish: Inner conductor | Cu2Ag5  
Finish: Outer conductor | CuSnZn3 (Telealloy); Ag2CuSnZn0.5 (Optargen)  
Finish: Other metal parts | CuSnZn3 (Telealloy), Cu2Ni5

Climatic Characteristics
Climatic category acc. to IEC 60068 - 1 | 55/155/21

Electrical Characteristics
Contact resistance inner conductor | ≤ 1.5 mΩ  
Contact resistance outer conductor | ≤ 1 mΩ  
Insulation resistance | ≥ 5 GΩ  
Voltage proof | 2.5 kVeff/50 Hz  
Impedance | 50 Ω  
Return loss: Straight style | ≥ 30.5 dB/1 GHz  
Return loss: Angle style | ≥ 30.5 dB / 1 GHz  
Working voltage | ≤ 1 kVeff/50 Hz  
Frequency range up to | 11 GHz

Standards
IEC 61 169-16

Note
Combination connectors and cable clamps can be utilised to create a further number of N connector variations.
RF cable assemblies with N connectors upon request.

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