

**COAXIAL CONNECTOR, N, 50 Ohm, Straight cable plug (male)**

11\_N-50-4-19/12-\_N

**Properties**

- Suitable for use with Eacon\_4C cable
- Applicable in frequencies up to 18 GHz
- Compliant with MIL-STD-348A/304 interface standard



| Product configuration |        |                                          |
|-----------------------|--------|------------------------------------------|
| Interface type        | Gender | Standard                                 |
| N                     | plug   | IEC 61169-16_MIL-STD-348A/304_CECC 22210 |

| Interface and material data |                                |                                   |
|-----------------------------|--------------------------------|-----------------------------------|
| Piece parts                 | Material                       | Plating                           |
| Centre contact              | Copper Beryllium Alloy         | Gold Plating (Nickel underplated) |
| Outer conductor             | Brass                          | Nickel Plating                    |
| Body                        | Brass                          | Nickel Plating                    |
| Other body part             | Stainless steel                | Passivated (Plating)              |
| Insulator                   | PTFE (Polytetrafluoroethylene) |                                   |
| Coupling nut                | Stainless steel                | Passivated (Plating)              |
| Gasket                      | VMQ (Silicone rubber)          |                                   |

| Electrical data     |             |
|---------------------|-------------|
| Impedance           | 50 $\Omega$ |
| Interface frequency | 18 GHz      |

| Electrical Data (frequency related) |             |      |
|-------------------------------------|-------------|------|
| Frequency range                     | Return loss | VSWR |
| 0 GHz ... 6 GHz                     | 25 dB       | 1.12 |
| 6.01 GHz ... 11 GHz                 | 17 dB       | 1.35 |
| 11.01 GHz ... 18 GHz                | 16 dB       | 1.4  |

| Mechanical data            |          |
|----------------------------|----------|
| Weight                     | 0.035 kg |
| Mating cycles              | 500      |
| Cable entry centre contact | plugged  |

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| Mechanical data           |         |
|---------------------------|---------|
| Cable entry outer contact | clamped |

| Environmental data             |                   |
|--------------------------------|-------------------|
| Operation temperature          | -60 °C ... 165 °C |
| Ingress protection (IP Rating) | Mated / IP67      |

| Material compliance |                                   |                                 |                      |
|---------------------|-----------------------------------|---------------------------------|----------------------|
| Item number         | Directive / Regulation            | Rating                          | Exemptions / Details |
| 84070286            | RoHS 2011/65/EU and (EU) 2015/863 | Compliant with exemption        | 6c                   |
|                     | REACH 1907/2006 Article 33 SVHC   | Contains one or more SVHC >0,1% | CAS: 7439-92-1 Lead  |

| Ordering Information Table |                     |                |
|----------------------------|---------------------|----------------|
| Item number                | Item description    | Packaging type |
| 84070286                   | 11_N-50-4-19/12-_NE | Single         |

| Suitable cables |                |
|-----------------|----------------|
| Cable group     | U94 - EACON_4C |
| Suitable cables | EACON_4C       |

| Additional Information |    |
|------------------------|----|
| Only as assembly       | No |

| Suitable tools |                  |                      |
|----------------|------------------|----------------------|
| Item number    | Item description | Type of tool         |
| 22544715       | 74_Z-0-0-68      | Knives / Blades      |
| 22642718       | 74_Z-0-0-12      | Knives / Blades      |
| 84079184       | 74_Z-0-0-473     | Cable stripping tool |
| 84078907       | 74_Z-0-0-474     | Trimming tool        |
| 85012794       | 74_Z-0-0-616     |                      |
| 84079183       | 74_Z-0-0-476     |                      |
| 84079191       | 74_Z-0-0-475     |                      |
| 84079187       | 74_Z-0-0-479     |                      |

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