

**COAXIAL CONNECTOR, 4.3-10, 50 Ohm, Straight cable plug (male)**

11\_4310-50-12-Z2/033\_-

**Properties**

- Field mountable connector series Quick-fit
- Excellent PIM and RL independent of torque
- Compact size (25.4mm flange)
- Applicable in frequencies up to 12 GHz
- 40% lower weight and size than 7/16
- IEC Standardized



| Product configuration |        |              |
|-----------------------|--------|--------------|
| Interface type        | Gender | Standard     |
| 4.3-10                | plug   | IEC 61169-54 |

| Interface and material data |                                |                       |
|-----------------------------|--------------------------------|-----------------------|
| Piece parts                 | Material                       | Plating               |
| Centre contact              | Bronze                         | Silver Plating        |
| Outer conductor             | Brass                          | SUCOPLATE (R) Plating |
| Body                        | Brass                          | SUCOPLATE (R) Plating |
| Insulator                   | PTFE (Polytetrafluoroethylene) |                       |
| Coupling nut                | Brass                          | SUCOPLATE (R) Plating |
| Gasket                      | VMQ (Silicone rubber)          |                       |

| Electrical data     |  |             |
|---------------------|--|-------------|
| Impedance           |  | 50 $\Omega$ |
| Interface frequency |  | 13 GHz      |

| Electrical Data (frequency related) |             |       |
|-------------------------------------|-------------|-------|
| Frequency range                     | Return loss | VSWR  |
| 0 GHz ... 2.7 GHz                   | 30 dB       | 1.065 |
| 2.7 GHz ... 3.7 GHz                 | 28 dB       | 1.083 |

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| <b>Mechanical data</b>     |          |
|----------------------------|----------|
| Weight                     | 0.101 kg |
| Cable entry centre contact | plugged  |
| Cable entry outer contact  | clamped  |

| <b>Environmental data</b>      |                                   |
|--------------------------------|-----------------------------------|
| Operation temperature          | -55 °C ... 90 °C                  |
| Ingress protection (IP Rating) | Mated / IP68 (24 h of water, 1 m) |

| <b>Ordering Information Table</b> |                         |                |
|-----------------------------------|-------------------------|----------------|
| Item number                       | Item description        | Packaging type |
| 85021552                          | 11_4310-50-12-Z2/033_-E | Single         |

| <b>Suitable cables</b> |                      |
|------------------------|----------------------|
| Cable group            | M12 - 12 mm / 50 Ohm |
| Suitable cables        | SUCOFEEED_1/2_LW     |
|                        | SUCOFEEED_1/2_FR     |
|                        | SUCOFEEED_1/2        |

| <b>Additional Information</b> |  |
|-------------------------------|--|
| Remarks                       | PIM:Typical -155 dBc<br>(Carrier to 3rd order intermodulation product ratio with 2 x 20 W, 43 dBm, carrier power)<br><br>Stripping tool: 85091563 74_Z-0-12-25<br>Flaring tool: 85006446 74_Z-0-12-8 |
| Only as assembly              | No   |

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