

**COAXIAL CONNECTOR, 7/16, 50 Ohm, Right angle cable plug (male)**

16\_716-50-12-50/033\_-

**Properties**

- Rugged connection for COM-Applications
- For medium and high power connection
- Applicable in frequencies up to 7.5 GHz
- IEC Standardized



| Product configuration |        |                                           |
|-----------------------|--------|-------------------------------------------|
| Interface type        | Gender | Standard                                  |
| 7/16                  | plug   | IEC 61169-4_CECC 22190_DIN 47223_VG 95250 |

| Interface and material data |                     |                       |
|-----------------------------|---------------------|-----------------------|
| Piece parts                 | Material            | Plating               |
| Centre contact              | Brass               | Silver Plating        |
| Outer conductor             | Brass               | SUCOPLATE (R) Plating |
| Body                        | Brass               | SUCOPLATE (R) Plating |
| Insulator                   | PFA / PTFE          |                       |
| Coupling nut                | Brass               | SUCOPLATE (R) Plating |
| Gasket                      | NR (Natural Rubber) |                       |

| Electrical data     |             |
|---------------------|-------------|
| Impedance           | 50 $\Omega$ |
| Interface frequency | 7.5 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       | 1.08  |

| Mechanical data            |          |
|----------------------------|----------|
| Weight                     | 0.177 kg |
| Mating cycles              | 500      |
| Cable entry centre contact | plugged  |
| Cable entry outer contact  | clamped  |

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| Environmental data             |                 |
|--------------------------------|-----------------|
| Operation temperature          | -40 °C ... 85°C |
| Ingress protection (IP Rating) | Mated / IP68    |

| Ordering Information Table |                        |                |
|----------------------------|------------------------|----------------|
| Item number                | Item description       | Packaging type |
| 84201179                   | 16_716-50-12-50/033_-E | Single         |

| Suitable cables   |                                                            |
|-------------------|------------------------------------------------------------|
| Cable group       | M12 - 12 mm / 50 Ohm                                       |
| Suitable cables   | SUCOFEEED_1/2_LW                                           |
|                   | SUCOFEEED_1/2_FR                                           |
|                   | SUCOFEEED_1/2                                              |
| Additional cables | CELLFLEX LCF12-50JFN, HELIAX LDF4-50A, NK OHMAX RFA 1/2-50 |

| Additional Information |                                                               |
|------------------------|---------------------------------------------------------------|
| Remarks                | Suitable for cables with copper and aluminium outer conductor |
| Only as assembly       | No                                                            |

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