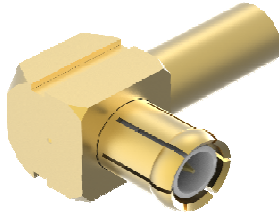


Product Data Sheet / Produkt Datenblatt

| | | |
|----------------------------|---|------------------------|
| Part Number | 004.01.1420.051 | Teilenummer |
| Description | Kabelwinkelstecker Cable mount angle plug | Beschreibung |
| |  | |
| Design according to | IEC 61169-36 (Type MCX) | Ausführung nach |

Electrical characteristics / Elektrische Eigenschaften

| | | colored value means: under validation | | |
|--|--------|--|--------------|---|
| | | Value/Wert | Unit/Einheit | |
| Impedance (MIL-C-39012B) | | 50 | [Ω] | Impedanz (MIL-C-39012B) |
| Operating frequency up to | | 10 | [GHz] | Betriebsfrequenz bis zu |
| Return loss | | | | Rückflusdämpfung |
| measured with cable typ: RG 316 / double | 1 GHz | 32 | [dB] | gemessen mit Kabel Typ: RG 316 / double |
| | 2 GHz | 29 | [dB] | |
| | 4 GHz | 18 | [dB] | |
| | 6 GHz | 17 | [dB] | |
| | 10 GHz | 17 | [dB] | |
| Insulation resistance | | 10 | [GΩ] | Isolationswiderstand |
| Contact resistance | | | | Kontakt-Widerstand |
| Centre contact | | 5,0 | [mΩ] | Innenkontakt |
| Outer contact | | 1 | [mΩ] | Außenkontakt |
| Contact current max. (DC) | | 1,4 | [A] DC | Kontakt-Strombelastbarkeit max (DC) |
| Operating voltage | | 170 | [V] eff | Betriebsspannung |
| Proof voltage | | 500 | [V] eff | Prüfspannung |

Mechanical characteristics / Mechanische Eigenschaften

| | | Value/ Wert | Unit/Einheit | |
|------------------|--|--------------|--------------|---------------------|
| Engagement force | | max. 25 | [N] | Steckkraft |
| Separating force | | min.8-max.20 | [N] | Ziehkraft |
| Mating cycles | | > 500 | | Steckzyklen |
| Water resistance | | | | Wasserbeständigkeit |

Product Data Sheet / Produkt Datenblatt

Page/Seite
2 / 2

| | | |
|--------------------|--|---------------------|
| Part Number | 004.01.1420.051 | Teilenummer |
| Description | Kabelwinkelstecker Cable mount angle plug | Beschreibung |

Material & plating / Material & Oberfläche

| | RoHS (2002/95/EC) conform | | |
|-------------------|---------------------------|---------------------|----------------------|
| | Material/Material | Plating/Oberflächen | |
| Outer contact | Copper berylium | Ni + 0,8µm Au | Außenkontakt |
| Centre contact | Brass | Cu + Ni + 1,3µm Au | Innenkontakt |
| Crimp ferrule | Brass | Cu + Ni + 0,2µm Au | Crimphülse |
| Other metal parts | Brass | Cu + Ni + 0,2µm Au | sonstige Metallteile |
| Insulator | PTFE | - | Isolator |

Environmental influences / Umwelteinflüsse

| | | |
|--------------------------------|--------------------|--------------------------------------|
| Operating temperature range | -55°C up to +125°C | Betriebstemperaturbereich |
| | Standard | |
| Climatic sequence: | IEC 60068-2-61 | Klimafolge: |
| 1. Dry heat | IEC 60068-2-2-Ba | 1. Trockene Hitze |
| 2. Damp heat, cyclic, 1 cycle | IEC 60068-2-30-Db | 2. Feuchte Wärme, zyklisch, 1 Zyklus |
| 3. Cold | IEC 60068-2-1-Aa | 3. Kälte |
| 4. Damp heat, cyclic, 6 cycles | IEC 60068-2-30-Dd | 4. Feuchte Wärme, zyklisch, 6 Zyklen |
| Solder profile | | Lötprofil |

Notes / Aufzeichnungen

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Update History

| Rev. | Date | Signature | Alteration |
|------|------------|-----------|----------------------------|
| a | 09.12.2015 | ntakacs | return loss values updated |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | |
|-----------------------------|-----------|
| Formblatt-Nr.: Form-TK-013b | |
| Rev. | 04 |
| Released | 17.ápr.14 |