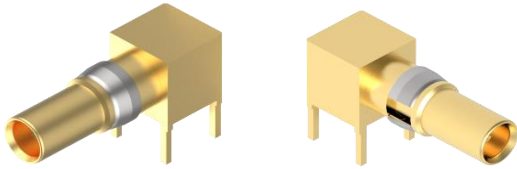


# IMS Product Specification/ Product Data Sheet

|                            |                                                                                   |                        |
|----------------------------|-----------------------------------------------------------------------------------|------------------------|
| <b>Part Number</b>         | <b>53.2525.403</b>                                                                | <b>Teilenummer</b>     |
| <b>Description</b>         | <b>Anbauwinkelbuchse (f)<br/>P.C.B. mount angle jack (f)</b>                      | <b>Beschreibung</b>    |
|                            |  |                        |
| <b>Design according to</b> | <b>DIN 41612</b>                                                                  | <b>Ausführung nach</b> |

## Electrical characteristics / Elektrische Eigenschaften

|                           | colored value means:<br>under validation |             |                  |                                            |
|---------------------------|------------------------------------------|-------------|------------------|--------------------------------------------|
|                           |                                          | Value/Wert  | Unit/<br>Einheit |                                            |
| Impedance (MIL-C-39012B)  |                                          | 50          | [Ω]              | Impedanz (MIL-C-39012B)                    |
| Operating frequency up to |                                          | 10          | [GHz]            | Betriebsfrequenz bis zu                    |
| Return loss               | measured with cable typ:                 |             |                  | gemessen mit Kabel Typ: Rückflusssdämpfung |
|                           | 1 GHz                                    | 26          | [dB]             |                                            |
|                           | 2 GHz                                    | 25          | [dB]             |                                            |
|                           | 4 GHz                                    | 25          | [dB]             |                                            |
|                           | 6 GHz                                    | 20          | [dB]             |                                            |
|                           | 10 GHz                                   | 12          | [dB]             |                                            |
| Insulation resistance     |                                          | 1           | [GΩ]             | Isolationswiderstand                       |
| Contact resistance        |                                          |             |                  | Kontakt-Widerstand                         |
| Centre contact            |                                          | <10         | [mΩ]             | Innenkontakt                               |
| Outer contact             |                                          | <3          | [mΩ]             | Außenkontakt                               |
| Contact current max. (DC) |                                          | 1,5         | [A] DC           | Kontakt-Strombelastbarkeit max (DC)        |
| Operating voltage         |                                          | 250         | [V] DC           | Betriebsspannung                           |
| Proof voltage             |                                          | 750         | [V] eff          | Prüfspannung                               |
|                           |                                          | Value/ Wert | Unit/<br>Einheit |                                            |
| Engagement force          |                                          | max. 10     | [N]              | Steckkraft                                 |
| Separating force          |                                          | min. 1      | [N]              | Ziehkraft                                  |
| Mating cycles             |                                          | > 500       |                  | Steckzyklen                                |

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|                    |                                                              |                     |
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| <b>Part Number</b> | <b>53.2525.403</b>                                           | <b>Teilenummer</b>  |
| <b>Description</b> | <b>Anbauwinkelbuchse (f)<br/>P.C.B. mount angle jack (f)</b> | <b>Beschreibung</b> |

| Material & plating / Material & Oberfläche |                           |                     |                                      |
|--------------------------------------------|---------------------------|---------------------|--------------------------------------|
|                                            | RoHS (2011/65/EU) conform |                     |                                      |
|                                            | Material/Material         | Plating/Oberflächen |                                      |
| Outer contact                              | Brass                     | Ni-P + 0,15µm Au    | Außenkontakt                         |
| Centre contact                             | Copper beryllium          | Ni-P + 0,15µm Au    | Innenkontakt                         |
| Clip ring                                  | Bronze                    | Cu + 3-5µm Ni       | Crimphülse                           |
| Other metal parts                          | Brass                     | Ni-P + 0,15µm Au    | sonstige Metallteile                 |
| Insulator                                  | PTFE                      |                     | Isolator                             |
| Gasket                                     | -                         |                     | Dichtung                             |
| Environmental influences                   |                           | Umwelteinflüsse     |                                      |
| Operating temperature range                | -55°C up to +125°C        |                     | Betriebstemperaturbereich            |
| 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 |
| 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.

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