

## DIN-Signal coax m, solder/crimp 50Ohm



Image is for illustration purposes only. Please refer to product description.

|                    |   |
|--------------------|---|
| Part number        | 09 03 000 6165  |
| Specification      | DIN-Signal coax m, solder/crimp 50Ohm   |
| HARTING eCatalogue | <a href="https://b2b.harting.com/09030006165">https://b2b.harting.com/09030006165</a> |

### Identification

|                            |   |
|----------------------------|---|
| Category                   | Contacts                                    |
| Series                     | DIN 41612                                   |
| Type of contact            | Coaxial contact                             |
| Description of the contact | Straight                                    |
| Contacts for               | DIN 41612 Type M<br>DIN 41612 Bauform M 0+2 |
| Features                   | lead-free                                   |

### Version

|                       |                                    |
|-----------------------|------------------------------------|
| Termination method    | PCB solder termination             |
| Gender                | Male contact for female connectors |
| Manufacturing process | Turned contacts                    |

### Technical characteristics

|                       |   |
|-----------------------|---|
| Operating current     | $\leq 1.5$ A  |
| Rated voltage         | 250 V   |
| Insulation resistance | $> 10^9$ $\Omega$   |
| Contact resistance    | $\leq 10$ m $\Omega$ for inner contact die<br>$\leq 3$ m $\Omega$ for outer ferrule |
| Impedance             | 50 $\Omega$   |
| Limiting temperature  | -55 ... +125 °C   |
| Return loss           | $> 32$ dB @ 1 GHz<br>$> 30$ dB @ 2 GHz<br>$> 28$ dB @ 4 GHz<br>$> 24$ dB @ 6 GHz    |



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## Technical characteristics

|                           |         |
|---------------------------|---------|
| Insertion force           | ≤10 N   |
| Withdrawal force          | ≥1 N    |
| Performance level         | 1       |
| Mating cycles             | ≥500    |
| Test voltage $U_{r.m.s.}$ | 0.75 kV |
| Frequency                 | 6 GHz   |

## Material properties

|                                      |  |
|--------------------------------------|--|
| Material (contacts)                  | Copper alloy   |
| Surface (contacts)                   | Noble metal over Ni Mating side                        |
| Material (locking)                   | Copper alloy   |
| RoHS                                 | compliant with exemption                               |
| RoHS exemptions                      | 6(c): Copper alloy containing up to 4 % lead by weight |
| ELV status                           | compliant with exemption                               |
| China RoHS                           | 50   |
| REACH Annex XVII substances          | Not contained  |
| REACH ANNEX XIV substances           | Not contained  |
| REACH SVHC substances                | Yes  |
| REACH SVHC substances                | Lead   |
| ECHA SCIP number                     | 339476a1-86ba-49e9-ab4b-cd336420d72a                   |
| California Proposition 65 substances | Yes  |
| California Proposition 65 substances | Lead<br>Nickel   |

## Specifications and approvals

|                |           |
|----------------|-----------|
| Specifications | DIN 41626 |
|----------------|-----------|

## Commercial data

|                                |               |
|--------------------------------|---------------|
| Packaging size                 | 1             |
| Net weight                     | 1.43 g        |
| Country of origin              | Germany       |
| European customs tariff number | 85366990      |
| GTIN                           | 5713140003996 |



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## Commercial data

eCl@ss

27440204 Contact for industrial connectors

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