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



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

| | |
|---|---|
| Part number | 09 03 000 6161 |
| Specification | DIN-Signal coax m, solder/crimp 50Ohm |
| HARTING eCatalogue | https://harting.com/09030006161 |

## Identification

| | |
|---|---|
| Category | Contacts |
| Series | DIN 41612<br>har-modular® |
| Type of contact | Coaxial contact |
| Description of the contact | Angled |
| Contacts for | DIN 41612 Type M<br>DIN 41612 Type M invers<br>DIN 41612 Type MH 21+5<br>har-modular® M module, female, straight |

## Version

| | |
|---|---|
| Termination method | Solder termination |
| Termination method | Solder/crimp termination |
| Gender | Male contact for female connectors |
| Connection type | Motherboard to daughtercard<br>Mezzanine<br>Extender card<br>PCB to cable |
| Manufacturing process | Turned contacts |

## Technical characteristics

| | |
|---|---|
| Rated current | ≤1.4 A |
| Rated voltage | 250 V |
| Insulation resistance | $>10^9$ Ω |


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## Technical characteristics

| | |
|---|---|
| Contact resistance | ≤10 mΩ for inner contact die<br>≤3 mΩ for outer ferrule |
| Impedance coaxial | 50 Ω |
| Limiting temperature | -55 ... +125 °C |
| Return loss | >25 dB @ 1 GHz for cables RG 174<br>>22 dB @ 2 GHz for cables RG 174<br>>14 dB @ 4 GHz for cables RG 174<br>>23 dB @ 1 GHz for cables RG 316<br>>20 dB @ 2 GHz for cables RG 316 |
| Insertion force | ≤10 N |
| Withdrawal force | ≥1 N |
| Performance level | 1 |
| Mating cycles | ≥500 |
| Test voltage $U_{r.m.s.}$ | 0.75 kV |
| Frequency | 4 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 |


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## Commercial data

| | |
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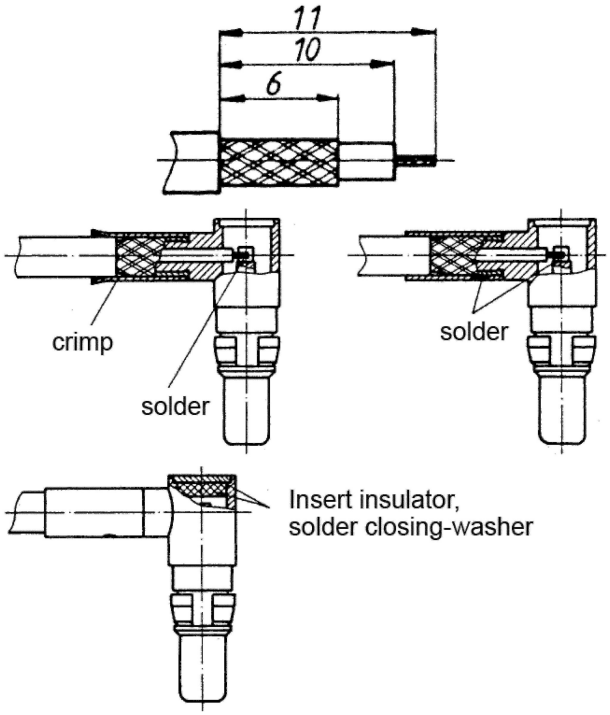
| Packaging size | 100 |
| Net weight | 2.493 g |
| Country of origin | Germany |
| European customs tariff number | 85366990 |
| GTIN | 5713140003972 |
| eCl@ss | 27440204 Contact for industrial connectors |
| ETIM | EC000796 |
| UNSPSC 24.0 | 39121522 |

## Assembly instructions





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